

Product Range

The new generation
of diaphragm valves



+GF+

GEORG FISCHER
PIPING SYSTEMS

Benefits

You can expect a great deal more from the new generation of diaphragm valves: More safety, simplicity and efficiency.

It began with the wish for something new. Out of this came something new for the market: safer, simpler and more efficient. Georg Fischer Piping Systems is revolutionizing your idea of a diaphragm valve.



Safety

Where there is no metal, there is no corrosion. Just like in the new generation of diaphragm valves from GF Piping Systems. Instead of the usual four metal screws, the new diaphragm valve has only a central plastic housing nut. And what is the direct advantage of this? The corrosion-free connection guarantees homogeneous expansion when exposed to temperature variations, which eliminates the need to retighten the screws. This results in uniform surface pressure that guarantees tightness up to 16 bar operating pressure.



Simplicity

Open or closed, automatic or manual: With flicks of the wrist the new diaphragm valve can increase flow or turn everything off completely. The lockable handwheel is a standard feature, the two-coloured position indicator shows the actual position of the diaphragm at a glance. Moreover, at the same time the upper housing section is the interface for a self-adjusting electrical position indicator. All the installation dimensions of the previous model were retained so it is backward compatible.



Efficiency

What is your definition of efficiency? 10, 15 or even 20 percent more? The new generation of diaphragm valves offers 100 percent more flow. That means doubling the flow rate at constant energy consumption. The key lies in the optimized geometry of the valve body. At the same time, the new diaphragm valve has linear flow characteristics and thus guarantees both increased efficiency and constantly stable processes. The minimized dead space also provides maximal hygiene.

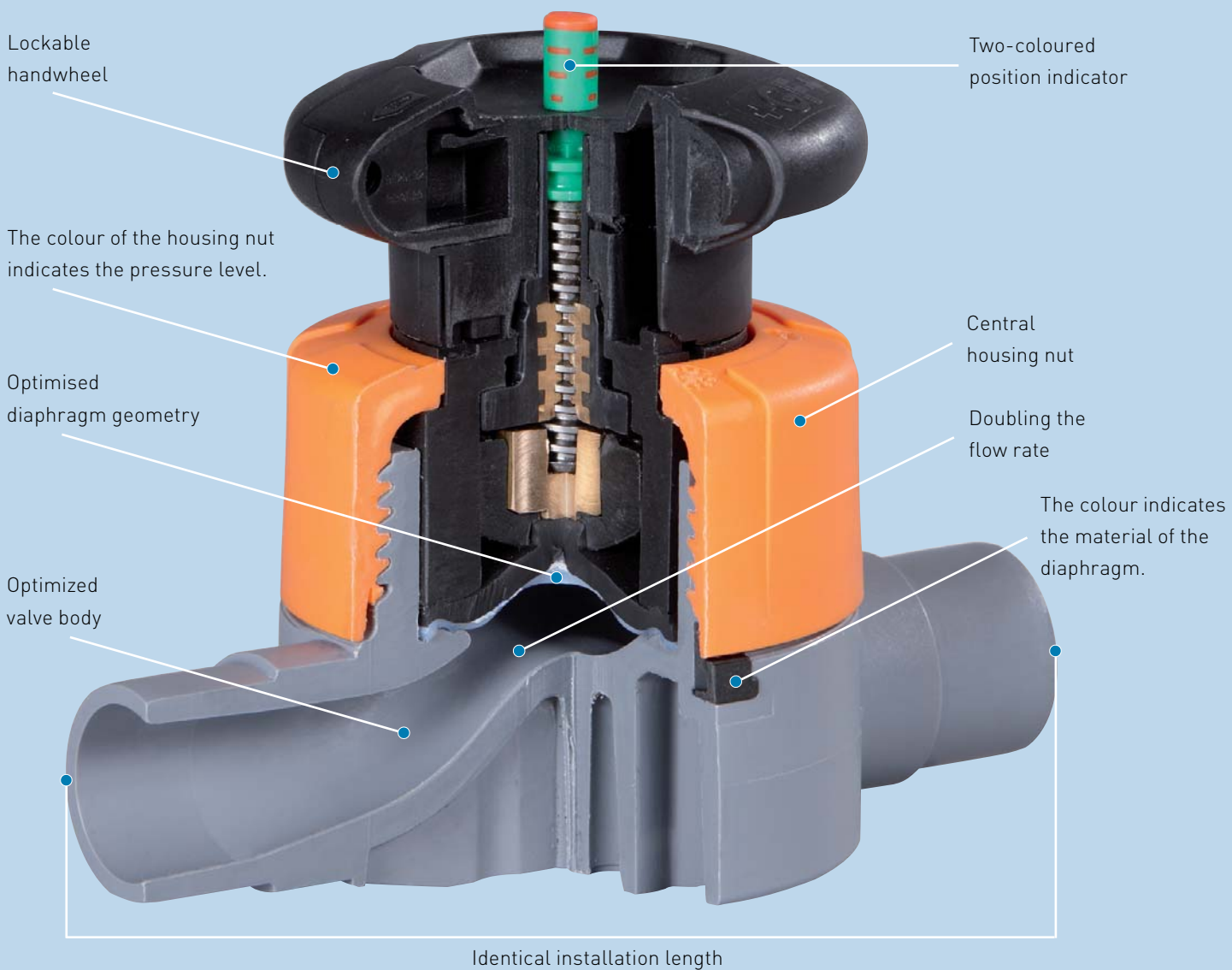
Features

The sum of innovative developments guarantees the added value.

What is important and what isn't? GF Piping Systems asked about the requirements and that was the basis for developing the technical solutions. This way of proceeding is what makes the valve so extraordinary. In the new generation of diaphragm valves, there is something over and above

innovation in details that is crucial for success. The optimized valve body guarantees the sensational flow rate. The installation length is identical to the length in the previous model and this makes for problem-free backward-compatibility. The central housing nut holds everything together

with a new level of reliability. There are many other characteristics that make the new generation of diaphragm valves a globally successful product innovation.



Functions and configurations can differ from the illustration, depending on the type.

The system

At a glance.

There are almost no limits to the applications of the new generation of diaphragm valves. Regardless of whether it is the manual or the pneumatic valve.



Retrofitting of the feedback unit.



Materials

The application determines the material. Therefore, for optimal reliability, we offer you the choice of these materials: PVC-U, PVC-C, ABS as well as PP-H, PP-n and PVDF. With diaphragm materials available in EPDM, PTFE, FPM and NBR, the valves can be utilized with almost all chemicals.

Connections

Do you need a true union valve with solvent cement socket, do you want to weld in the valve, do you have to create a threaded connection to existing components of the plant or does the standard call for a specific flange? We help you with the right answer for a reliable connection.

International standards

No matter where you intend to use your valves, compatibility is obligatory. We ensure worldwide connection with international standards such as ISO, BS, ASTM, ANSI and JIS.

Standardization

Compliance with international standards:

prEN ISO 16138

Industrial valves –
Diaphragm valves made of thermoplastics.

ISO9393

Valves made of thermoplastics.
Pressure test and requirements.

EN558

Installation length of diaphragm valves corresponds to EN558.

Approval reported:

DIBt, W270, KTW, FDA and others.

Electrical feedback

In modern plant automation, process monitoring is increasing in importance. The optional electrical feedback can be easily assembled in a few steps.

- Removal of handwheel
- Attachment of electrical position indicator
- Attachment of handwheel
- Wiring of plugs
- One-time opening/closing of the valve for calibration.

System details

A product innovation that is more than the sum of its details.

The focus of the innovation was not the technical details but rather the absolute customer requirements. GF Piping Systems developed technical solutions in response to these requirements. The result can be seen in the details.



Optimised flow geometry.

Central housing nut

Proven for decades in threaded unions and now applied to the housing: Simple, even surface pressure, no retightening. Very important: The uniform expansion with temperature changes of the plastic-plastic connection prevents leaks.

Uniform diaphragm interface

Simplified spare parts, easy exchange, enormous flexibility: The diaphragm interface was constructed in such a way that the threaded connection does not transfer pressure forces to the diaphragm pin.

Two-coloured position indicator

How far is my valve opened?
The clearly visible two-coloured position indicator shows the actual position at a glance from a distance.

Locking

Is the process set? Secure it against undesired tampering with the integrated locking mechanism and with a padlock. In normal operation,

the lock mechanism disappears in the handwheel, so that the ergonomics are not impeded.

Optimised flow geometry

An optimised flow geometry with soft transitions and radii doubles the flow rate compared to a typical diaphragm valve. The control characteristics are almost linear.

A worldwide unique manufacturing procedure makes this possible.

It also provides maximal hygiene with minimized dead space. With no disruptive flow turbulence, noise and wear and tear are significantly decreased.

In addition to reduced pressure losses, an optimised flow rate also means that energy is conserved, and this lowers operating costs.



Clearly visible position indicator.



Handwheel unlocked.



Handwheel locked.

The DIASTAR system

Simple automation.

GF Piping Systems has the optimal actuator configuration for your individual needs. You can rely on the pneumatic DIASTAR valves.



DIASTAR Six



DIASTAR Ten



DIASTAR Sixteen

DIASTAR Six

Are you looking for a cost-effective solution with a long working life for elastomer diaphragms up to 6 bar? Then you are on the right track with DIASTAR Six. It combines high quality with the basic functions of a pneumatic actuator. Its compact construction is also an advantage.

DIASTAR Ten

Optimally suited for all standard applications up to 10 bar requiring integration of accessories. Uncomplicated integration into the plant automation is possible through the appropriate interface. DIASTAR Ten also offers the possibility of using a PTFE diaphragm. The cost-benefit ratio is unbeatable.

DIASTAR Sixteen

This is our strongest one. It guarantees reliable control of operating pressures up to 16 bar. Are you looking for maximal reliability? And do you want an integrated accessory interface for simple system integration?

Then DIASTAR Sixteen is the right choice.

Variety of accessories

Individual solutions must also fit individual requirements; otherwise they are not solutions. For your modern plant automation, we offer the appropriate variety of accessories:

- 3/2-way pilot valves for single acting valves
- 5/2-way pilot valves for double acting actuators
- Valve clusters for rational automation with interfaces for the common bus protocols
- AS interface for simple bus communication
- Stroke limiter for fine adjustment and manual override
- Electrical position indicator with self-adjusting limit switches
- Positioner for demanding regulation applications

Details DIASTAR

The right actuator for every situation. It's quality is already well-known and now further optimised.

Building on the design of the manual valve, the pneumatic actuators from GF Piping Systems have also been thoroughly reworked. The result of this development can also be seen in the details.



Comprehensive accessory assortment.



The rotary air connections permit compact installation of the unit.

Appropriate actuator and accessories

A long diaphragm working life is fundamental for the reliability of your application. That is why we offer you the right DIASTAR to correspond to your application with the use of 3, 4, or 6 spring assemblies for high closing forces and with integrated fixed stop in the actuator to avoid overloading the diaphragm. The low maintenance piston actuators with double spindle guide allows a long working life.

Rotary air connection

In tight installation locations the actuators may be assembled back to back. The air connection can be turned to the desired position in 90° steps in all actuators.

Housing material

The fibreglass-reinforced PP housing material ensures that your actuator will withstand aggressive environmental conditions. Extensive use of plastics and stainless steel protects the interior of the valve.

Mechanical interface

The DIASTAR Ten and Sixteen both have a mechanical interface to which accessories can be attached without difficulty. This is essential, since the actuation technology is an integral component of the total plant control. Our accessory program offers you a number of options for equipment that responds to your requirements. Self-adjusting limit switches, positioner, solenoid pilot valves, valve clusters with bus communication, AS-i-control heads and more.



Fixed stop and spring assemblies for a longer valve working life.

Table of contents

	Page
PVC-U metric	12
PVC-U metric silicone free Paintcompatible and oil free	28
PVC-U Inch BS	31
PVC-U ASTM/ANSI	36
PVC-U ASTM/ANSI/BS Silicone free/paintcompatible	48
PVC-U JIS	50
PVC-U JIS silicone free Paintcompatible and oil free	62
PVC-C metric	71
PVC-C ASTM/ANSI/BS	83
PVC-C ASTM/ANSI silicone free Paint compatible	93
PVC-C JIS	95
ABS metric	96
ABS Inch BS	107
PROGEF Standard metric	113
PROGEF Standard ASTM/ANSI	141
PROGEF Standard JIS	147
PROGEF Natural	153
PROGEF Plus JIS	159
PROGEF Plus metric/ASTM/ANSI/BS	165
SYGEF Standard metric/ASTM/ANSI	169
SYGEF Standard JIS	191
SYGEF Plus metric/ASTM/ANSI	196
Spare parts	215

Copiable Configurator +GF+ Diaphragm Valve

Valve body type

A20 Type 514 - True Union Design
A21 Type 515 - Spigots
A22 Type 517 - Flanges

Material

B01 PVC-U
B02 PVC-C
B03 ABS

Dimension

C05 DN 10 3/8"
C06 DN 15 1/2"
C07 DN 20 3/4"
C08 DN 25 1"
C09 DN 32 1 1/4"
C10 DN 40 1 1/2"
C11 DN 50 2"

Version

D11 standard
D05 silicone free / oil free

Diaphragm

E01 EPDM
E02 FPM
E11 NBR
E12 PTFE/EPDM
E04 PTFE/FPM

Connecting parts

H01 PVC-U Cemented socket metric
H02 PVC-U Cemented socket JIS
H03 PVC-U Cemented socket ASTM
H04 PVC-U Cemented socket Zoll BS
H05 PVC-U Cemented spigot metric
H06 PVC-U Threaded socket Rp (ISO)
H08 PVC-U Threaded socket Rc (JIS)
H09 PVC-U Threaded socket NPT (ASTM)
H11 PVC-C Cemented socket metric
H13 PVC-C Cemented socket Zoll ASTM
H14 PVC-C Cemented spigot metric
H20 ABS Cemented socket metric
H21 ABS Cemented socket Zoll BS
H24 ABS Cemented spigot metric
H40 PE-80 Fusion socket metric
H41 PE-100 Butt fusion spigot SDR11 metric
H43 PE-100 Butt fusion spigot long SDR11 metric
H62 Fixed flange PVC-U JIS
H70 Backing flange PVC-U metric with PVC-U endings
H71 Backing flange PVC-U Zoll ANSI with PVC-U endings
H71 PVCC Backing flange PVC-U Zoll ANSI with PVC-C endings
H72 PVCC Backing flange PP-steel metric with PVC-U endings
H72 PVCC Backing flange PP-steel metric with PVC-C endings
H72 ABS Backing flange PP-steel metric with ABS endings
H73 PVCC Backing flange PP-steel Zoll ANSI with PVC-U endings
H73 PVCC Backing flange PP-steel Zoll ANSI with PVC-C endings
H73 ABS Backing flange PP-steel Zoll ANSI with ABS endings
H74 PVCC Backing flange PP-V metric with PVC-U endings
H74 PVCC Backing flange PP-V metric with PVC-C endings
H74 ABS Backing flange PP-V metric with ABS endings
H74 PVCC Backing flange PP-V metric with PVC-C endings
H75 PVCC Backing flange PP-V ANSI with PVC-U endings
H75 PVCC Backing flange PP-V ANSI with PVC-C endings
H78 PVCC Backing flange PP-GF JIS with PVC-U endings
H80 PVC-U valve end blank

Electrical feedback

I33 Electrical feedback with Ag, Ni limit switches
I34 Electrical feedback with Au limit switches

Manual actuated: pressure tight housing

K30 Bonnet pressure tight
K31 Bonnet not pressure tight

Pressure range

M01 PN10
M02 PN16

Example:

Diaphragm valve with valve body type 515, PVC-U, EPDM diaphragm, DN25, cemented spigots metric, electrical feedback, pressure tight housing, PN10



A21 B01 C08 D11 E01 H05 I33 K30 M01

P

=



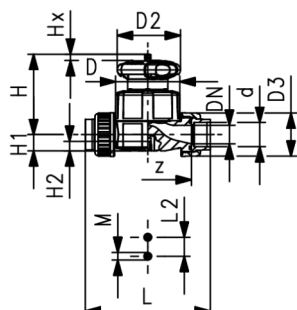
Pneumatic Actuator DIASTAR

P40 DIASTAR Six FC fail safe to close
P43 DIASTAR Ten FC fail safe to close
P44 DIASTAR Sixteen FC fail safe to close
P45 DIASTAR Sixteen FO fail safe to open
P46 DIASTAR Sixteen DA double acting
P47 DIASTAR Ten FO fail safe to open
P48 DIASTAR Ten DA double acting

Diaphragm valves new generation

Diaphragm valve type 514 PVC-U

With solvent cement sockets metric PN16



Model:

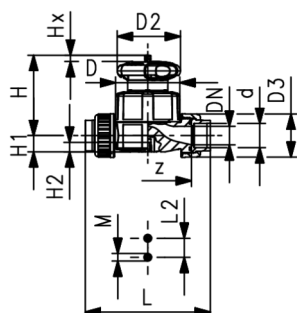
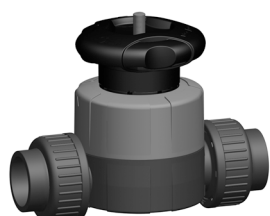
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	16	125	800 047 166	800 047 160	
25	20	16	271	800 047 167	800 047 161	
32	25	16	481	800 047 168	800 047 162	
40	32	16	759	800 047 169	800 047 163	
50	40	16	1263	800 047 170	800 047 164	
63	50	16	1728	800 047 171	800 047 165	

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
20	65	65	43	128	25	73	14	12	M6	96	7	
25	80	65	51	152	25	81	18	12	M6	114	10	
32	88	87	58	166	25	107	22	12	M6	122	13	
40	101	87	72	192	45	115	26	15	M8	140	15	
50	117	135	83	222	45	148	32	15	M8	160	19	
63	144	135	100	266	45	166	39	15	M8	190	25	



Diaphragm valve type 514 PVC-U

With solvent cement sockets metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

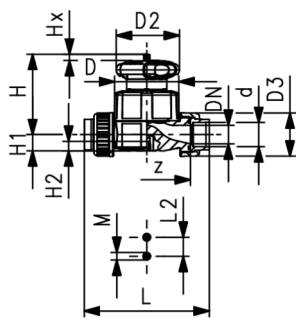
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code	
16	10	10	125	161 514 001	161 514 011	161 514 031	161 514 061	
20	15	10	125	161 514 002	161 514 012	161 514 032	161 514 062	
25	20	10	271	161 514 003	161 514 013	161 514 033	161 514 063	
32	25	10	481	161 514 004	161 514 014	161 514 034	161 514 064	
40	32	10	759	161 514 005	161 514 015	161 514 035	161 514 065	
50	40	10	1263	161 514 006	161 514 016	161 514 036	161 514 066	
63	50	10	1728	161 514 007	161 514 017	161 514 037	161 514 067	

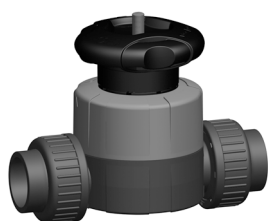
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/FPM Code	
16	10	10	125	800 047 300	
20	15	10	125	800 047 301	
25	20	10	271	800 047 303	
32	25	10	481	800 047 304	

table continued next page



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/FPM Code
40	32	10	759	800 047 306
50	40	10	1263	800 047 308
63	50	10	1728	800 047 309

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
16	65	65	43	170	25	73	14	12	M6	142	7
20	65	65	43	128	25	73	14	12	M6	96	7
25	80	65	51	152	25	81	18	12	M6	114	10
32	88	87	58	166	25	107	22	12	M6	122	13
40	101	87	72	192	45	115	26	15	M8	140	15
50	117	135	83	222	45	148	32	15	M8	160	19
63	144	135	100	266	45	166	39	15	M8	190	25



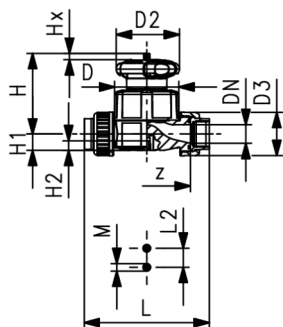
Diaphragm valve type 514 PVC-U With threaded sockets Rp

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

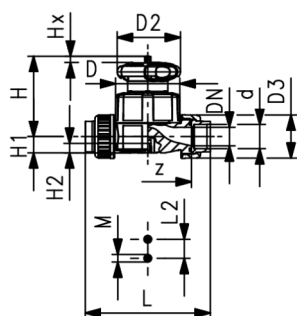
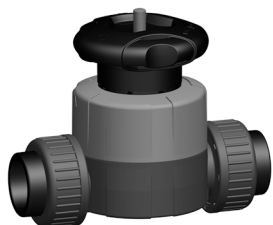
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration



Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code
1/2	15	10	125	161 514 402	161 514 412	161 514 432	161 514 462
3/4	20	10	271	161 514 403	161 514 413	161 514 433	161 514 463
1	25	10	481	161 514 404	161 514 414	161 514 434	161 514 464
1 1/4	32	10	759	161 514 405	161 514 415	161 514 435	161 514 465
1 1/2	40	10	1263	161 514 406	161 514 416	161 514 436	161 514 466
2	50	10	1728	161 514 407	161 514 417	161 514 437	161 514 467

Rp [inch]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	65	65	43	128	25	73	14	12	M6	96	7
3/4	80	65	51	152	25	81	18	12	M6	114	10
1	88	87	58	166	25	107	22	12	M6	122	13
1 1/4	101	87	72	192	45	115	26	15	M8	140	15
1 1/2	117	135	83	222	45	148	32	15	M8	160	19
2	144	135	100	266	45	166	39	15	M8	190	25



Diaphragm valve type 514 PVC-U With fusion sockets PE80 metric

Model:

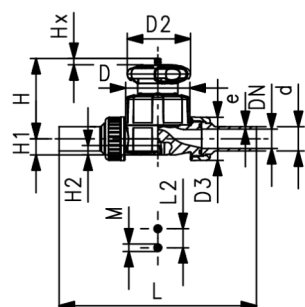
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	10	125	161 514 212
25	20	10	271	161 514 213
32	25	10	481	161 514 214
40	32	10	759	161 514 215
50	40	10	1263	161 514 216
63	50	10	1728	161 514 217

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
20	65	65	43	128	25	73	14	12	M6	100	7
25	80	65	51	150	25	81	18	12	M6	118	10
32	88	87	58	162	25	107	22	12	M6	126	13
40	101	87	72	184	45	115	26	15	M8	144	15
50	117	135	83	210	45	148	32	15	M8	164	19
63	144	135	100	248	45	166	39	15	M8	194	25



Diaphragm valve type 514 PVC-U With butt and electro fusion ends PE100 SDR11 metric

Model:

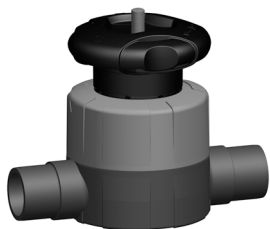
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	10	125	161 514 312
25	20	10	271	161 514 313
32	25	10	481	161 514 314
40	32	10	759	161 514 315
50	40	10	1263	161 514 316
63	50	10	1728	161 514 317

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]
20	65	65	43	196	25	73	14	12	M6	7	1,9
25	80	65	51	221	25	81	18	12	M6	10	2,3
32	88	87	58	234	25	107	22	12	M6	13	2,9
40	101	87	72	260	45	115	26	15	M8	15	3,7
50	117	135	83	284	45	148	32	15	M8	19	4,6
63	144	135	100	321	45	166	39	15	M8	25	5,8



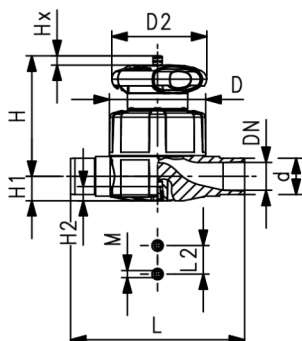
Diaphragm valve type 515 PVC-U With solvent cement spigots metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

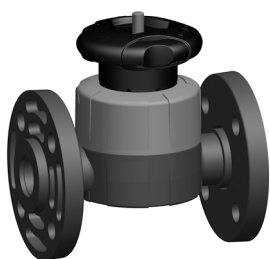
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code
20	15	10	125	161 515 002	161 515 012	161 515 032	161 515 062
25	20	10	271	161 515 003	161 515 013	161 515 033	161 515 063
32	25	10	481	161 515 004	161 515 014	161 515 034	161 515 064
40	32	10	759	161 515 005	161 515 015	161 515 035	161 515 065
50	40	10	1263	161 515 006	161 515 016	161 515 036	161 515 066
63	50	10	1728	161 515 007	161 515 017	161 515 037	161 515 067

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
20	65	65	124	25	73	14	12	M6	7
25	80	65	144	25	81	18	12	M6	10
32	88	87	154	25	107	22	12	M6	13
40	101	87	174	45	115	26	15	M8	15
50	117	135	194	45	148	32	15	M8	19
63	144	135	224	45	166	39	15	M8	25



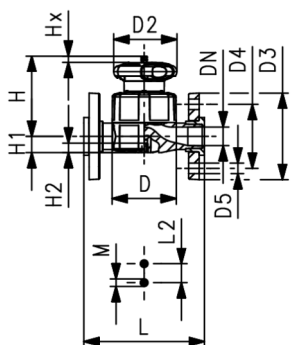
Diaphragm valve type 517 PVC-U With backing flanges PVC-U metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10
- Flat sealing faces

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code
20	15	10	125	161 517 002	161 517 012	161 517 032	161 517 062
25	20	10	271	161 517 003	161 517 013	161 517 033	161 517 063
32	25	10	481	161 517 004	161 517 014	161 517 034	161 517 064
40	32	10	759	161 517 005	161 517 015	161 517 035	161 517 065
50	40	10	1263	161 517 006	161 517 016	161 517 036	161 517 066
63	50	10	1728	161 517 007	161 517 017	161 517 037	161 517 067

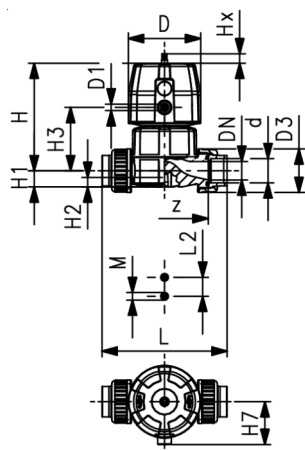
d [mm]	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
20	65	65	95	65	14	130	25	73	14	12	M6	7
25	80	65	105	75	14	150	25	81	18	12	M6	10
32	88	87	115	85	14	160	25	107	22	12	M6	13
40	101	87	140	100	18	180	45	115	26	15	M8	15
50	117	135	150	110	18	200	45	148	32	15	M8	19
63	144	135	165	125	18	230	45	166	39	15	M8	25

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close)

Unions with solvent cement sockets metric



Model:

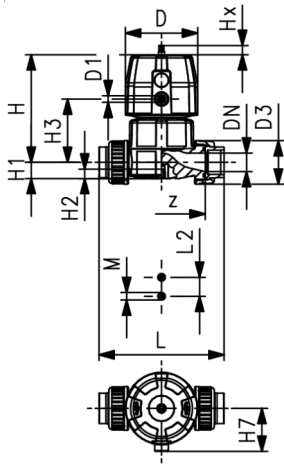
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
16	10	6	125	161 614 011	-
20	15	6	125	161 614 012	800 047 327
25	20	6	271	161 614 013	800 047 328
32	25	6	481	161 614 014	800 047 329
40	32	6	759	161 614 015	800 047 330
50	40	6	960	161 614 016	800 047 331
63	50	6	1181	161 614 017	800 047 332

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
16	68	1/8	170	25	101	14	12	60	43	M6	142	7
20	68	1/8	128	25	101	14	12	60	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	69	M8	140	14
50	120	1/8	222	45	193	32	15	119	69	M8	160	16
63	120	1/8	266	45	205	39	15	132	69	M8	190	16



Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close) Unions with threaded sockets Rp

Model:

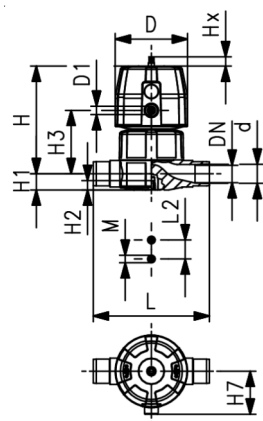
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)

Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
1/2	15	6	125	161 614 412	
3/4	20	6	271	161 614 413	
1	25	6	481	161 614 414	
1 1/4	32	6	759	161 614 415	
1 1/2	40	6	960	161 614 416	
2	50	6	1181	161 614 417	

Rp [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	68	1/8	128	25	101	14	12	60	43	M6	96	7	
3/4	96	1/8	152	25	132	18	12	73	57	M6	114	10	
1	96	1/8	166	25	143	22	12	84	57	M6	122	13	
1 1/4	120	1/8	192	45	173	26	15	99	69	M8	140	14	
1 1/2	120	1/8	222	45	193	32	15	119	69	M8	160	16	
2	120	1/8	266	45	205	39	15	132	69	M8	190	16	



Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close) With solvent cement spigots metric

Model:

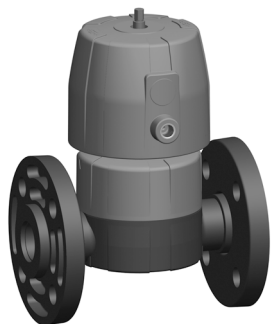
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
20	15	6	125	161 615 012	
25	20	6	271	161 615 013	
32	25	6	481	161 615 014	
40	32	6	759	161 615 015	
50	40	6	960	161 615 016	
63	50	6	1181	161 615 017	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	68	1/8	124	25	101	14	12	60	43	M6	7	
25	96	1/8	144	25	132	18	12	73	57	M6	10	
32	96	1/8	154	25	143	22	12	84	57	M6	13	
40	120	1/8	174	45	173	26	15	99	69	M8	14	
50	120	1/8	194	45	193	32	15	119	69	M8	16	
63	120	1/8	224	45	205	39	15	132	69	M8	16	



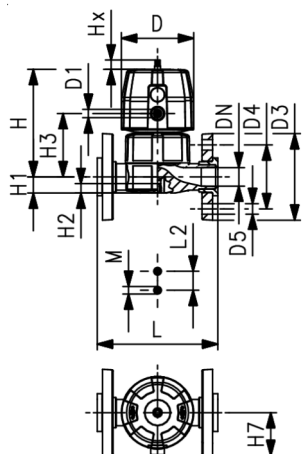
Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close) With backing flanges PVC-U metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	6	125	161 617 012
25	20	6	271	161 617 013
32	25	6	481	161 617 014
40	32	6	759	161 617 015
50	40	6	960	161 617 016
63	50	6	1181	161 617 017

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	95	65	14	130	25	101	14	12	60	43	M6	7
25	96	1/8	105	75	14	150	25	132	18	12	73	57	M6	10
32	96	1/8	115	85	14	160	25	143	22	12	84	57	M6	13
40	120	1/8	140	100	18	180	45	173	26	15	99	69	M8	14
50	120	1/8	150	110	18	200	45	193	32	15	119	69	M8	16
63	120	1/8	165	125	18	230	45	205	39	15	132	69	M8	16



Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) Unions with solvent cement sockets metric

Model:

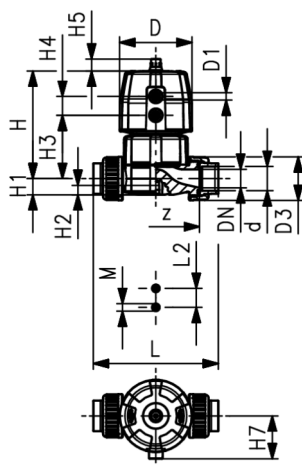
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

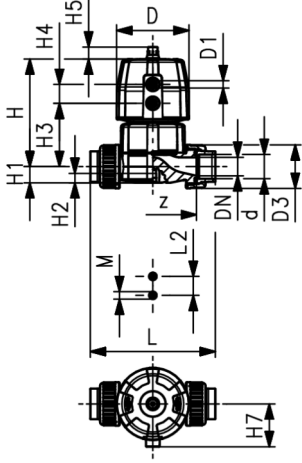
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	PTFE/EPDM Code	PTFE/FPM Code
16	10	10/10*	125	161 624 011	161 624 061	161 624 031	-
20	15	10/10*	125	161 624 012	161 624 062	161 624 032	161 624 052
25	20	10/10*	271	161 624 013	161 624 063	161 624 033	161 624 053
32	25	10/10*	481	161 624 014	161 624 064	161 624 034	161 624 054
40	32	10/10*	759	161 624 015	161 624 065	161 624 035	161 624 055
50	40	10/10*	1263	161 624 016	161 624 066	161 624 036	161 624 056
63	50	10/6*	1728	161 624 017	161 624 067	161 624 037	161 624 057

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
16	68	1/8	170	25	101	14	12	60	24	16	43	M6	142	7
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) With solvent cement spigots metric

Model:

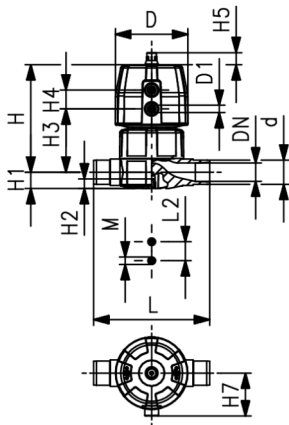
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

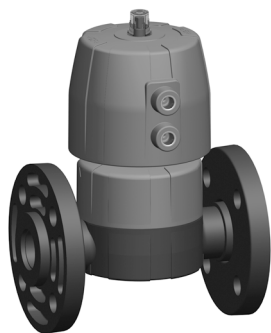
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	161 625 012	161 625 032
25	20	10/10*	271	161 625 013	161 625 033
32	25	10/10*	481	161 625 014	161 625 034
40	32	10/10*	759	161 625 015	161 625 035
50	40	10/10*	1263	161 625 016	161 625 036
63	50	10/6*	1728	161 625 017	161 625 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) With backing flanges PVC-U metric/BS

Model:

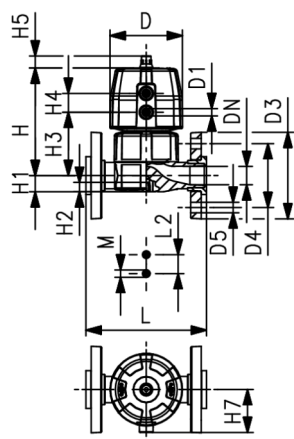
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	PTFE/EPDM Code	PTFE/FPM Code	
20	15	10/10*	125	161 627 012	161 627 062	161 627 032	161 627 052	
25	20	10/10*	271	161 627 013	161 627 063	161 627 033	161 627 053	
32	25	10/10*	481	161 627 014	161 627 064	161 627 034	161 627 054	
40	32	10/10*	759	161 627 015	161 627 065	161 627 035	161 627 055	
50	40	10/10*	1263	161 627 016	161 627 066	161 627 036	161 627 056	
63	50	10/6*	1728	161 627 017	161 627 067	161 627 037	161 627 057	

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6	
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6	
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	57	M6	
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8	
50	150	1/4	150	110	18	200	45	193	32	15	119	36	26	88	M8	
63	150	1/4	165	125	18	230	45	205	39	15	132	36	26	88	M8	

d [mm]	Lift = Hx [mm]	
20	7	
25	10	
32	13	
40	15	
50	19	
63	23	



Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) Unions with solvent cement sockets metric

Model:

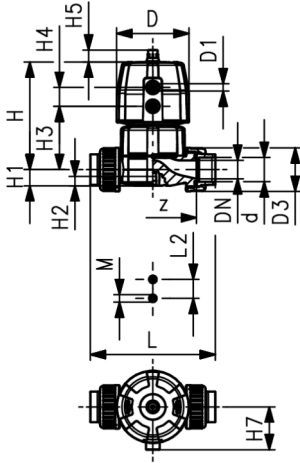
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code									
16	10	10/10*	125	161 644 011	161 644 031									
20	15	10/10*	125	161 644 012	161 644 032									
25	20	10/10*	271	161 644 013	161 644 033									
32	25	10/10*	481	161 644 014	161 644 034									
40	32	10/10*	759	161 644 015	161 644 035									
50	40	10/10*	1263	161 644 016	161 644 036									
63	50	10/10*	1728	161 644 017	161 644 037									

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
16	68	1/8	170	25	101	14	12	60	24	16	43	M6	142	7
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) With solvent cement spigots metric

Model:

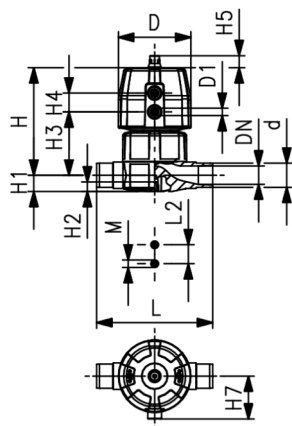
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	161 645 012	161 645 032
25	20	10/10*	271	161 645 013	161 645 033
32	25	10/10*	481	161 645 014	161 645 034
40	32	10/10*	759	161 645 015	161 645 035
50	40	10/10*	1263	161 645 016	161 645 036
63	50	10/10*	1728	161 645 017	161 645 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) With backing flanges PVC-U metric/BS

Model:

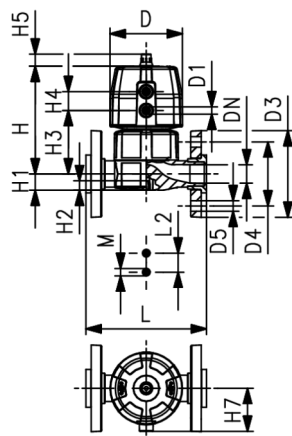
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

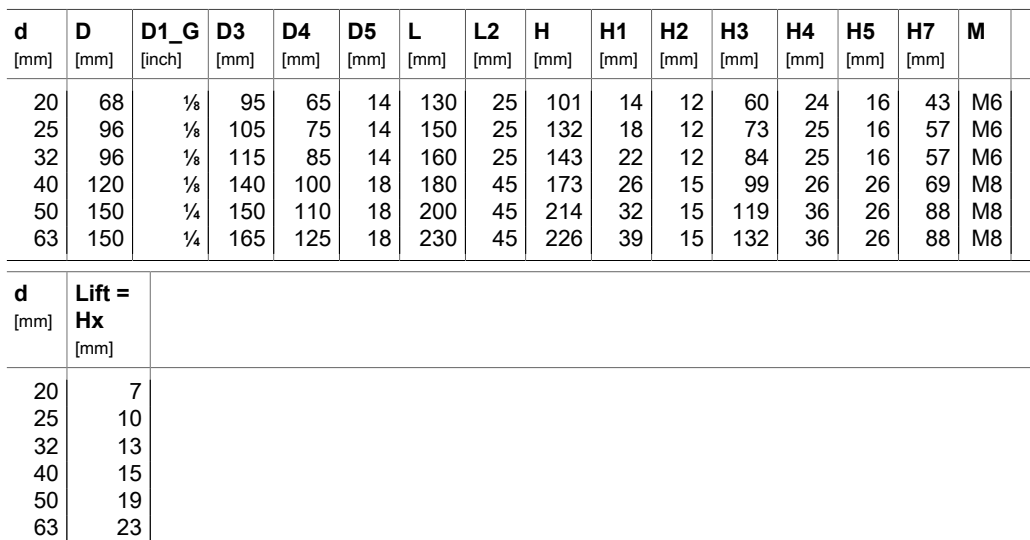
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	161 647 012	161 647 032
25	20	10/10*	271	161 647 013	161 647 033
32	25	10/10*	481	161 647 014	161 647 034
40	32	10/10*	759	161 647 015	161 647 035
50	40	10/10*	1263	161 647 016	161 647 036
63	50	10/10*	1728	161 647 017	161 647 037

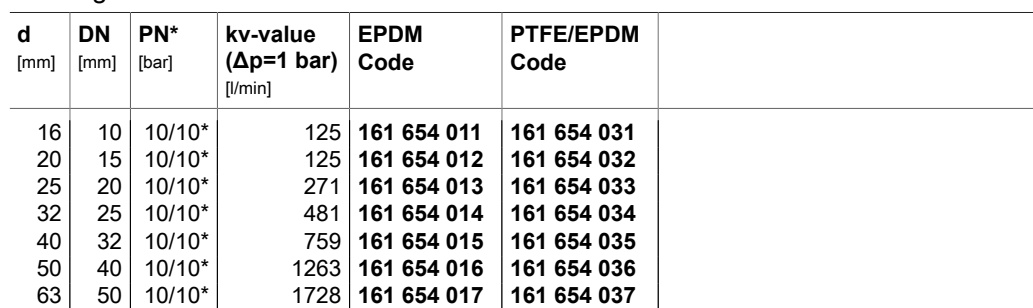
table continued next page



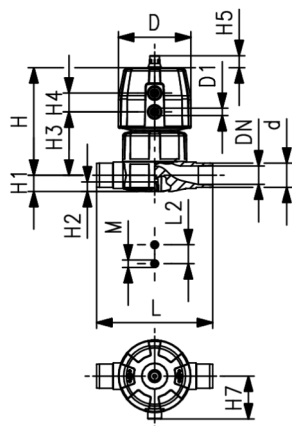
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

Working Pressure: **one side**



d	D	D1_G	L	L2	H	H1	H2	H3	H4	H5	H7	M	z	Lift = Hx	
[mm]	[mm]	[inch]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[mm]	[mm]	
16	68	⅝	170	25	101	14	12	60	24	16	43	M6	142	7	
20	68	⅝	128	25	101	14	12	60	24	16	43	M6	96	7	
25	96	⅝	152	25	132	18	12	73	25	16	57	M6	114	10	
32	96	⅝	166	25	143	22	12	84	25	16	57	M6	122	13	
40	120	⅞	192	45	173	26	15	99	26	26	69	M8	140	15	
50	150	¾	222	45	214	32	15	119	36	26	88	M8	160	19	
63	150	¾	266	45	226	39	15	132	36	26	88	M8	190	23	



Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) With solvent cement spigots metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

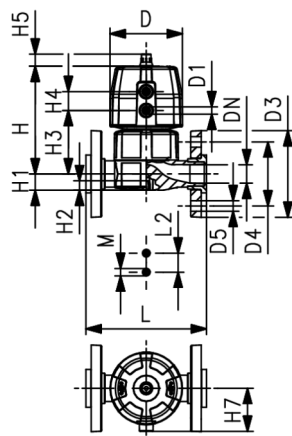
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10/10*	125	161 655 012	161 655 032	
25	20	10/10*	271	161 655 013	161 655 033	
32	25	10/10*	481	161 655 014	161 655 034	
40	32	10/10*	759	161 655 015	161 655 035	
50	40	10/10*	1263	161 655 016	161 655 036	
63	50	10/10*	1728	161 655 017	161 655 037	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	



Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) With backing flanges PVC-U metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

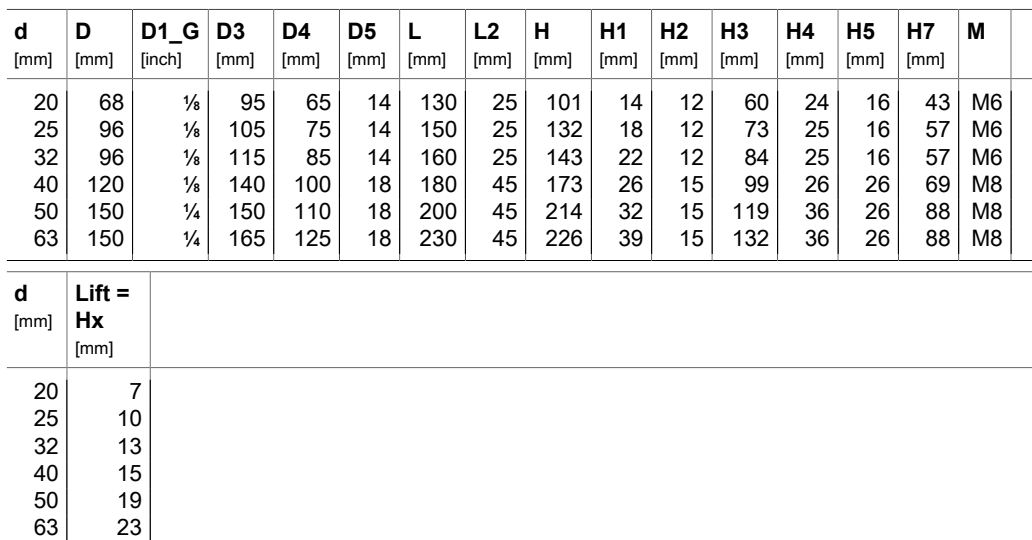
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10/10*	125	161 657 012	161 657 032	
25	20	10/10*	271	161 657 013	161 657 033	
32	25	10/10*	481	161 657 014	161 657 034	
40	32	10/10*	759	161 657 015	161 657 035	
50	40	10/10*	1263	161 657 016	161 657 036	
63	50	10/10*	1728	161 657 017	161 657 037	

table continued next page

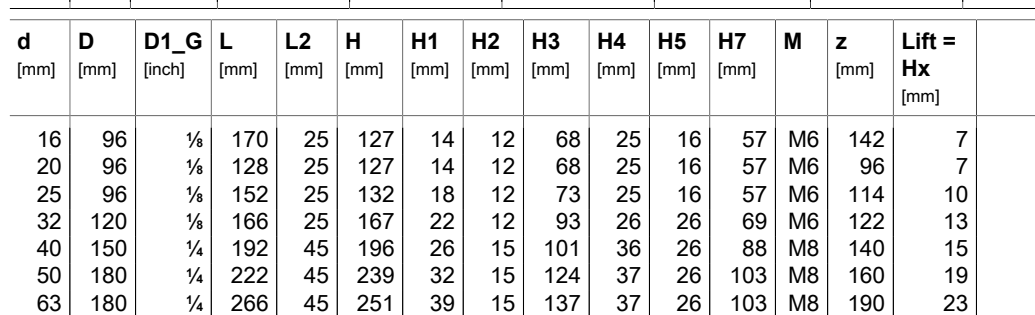


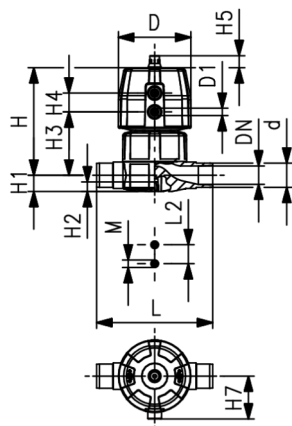
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

Working Pressure: **both sides**

d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	FPM Code	PTFE/EPDM Code	PTFE/FPM Code	
16	10	10/10*	125	161 684 011	161 684 061	161 684 031	-	
20	15	10/10*	125	161 684 012	161 684 062	161 684 032	161 684 052	
25	20	10/10*	271	161 684 013	161 684 063	161 684 033	161 684 053	
32	25	10/10*	481	161 684 014	161 684 064	161 684 034	161 684 054	
40	32	10/10*	759	161 684 015	161 684 065	161 684 035	161 684 055	
50	40	10/10*	1263	161 684 016	161 684 066	161 684 036	161 684 056	
63	50	10/10*	1728	161 684 017	161 684 067	161 684 037	161 684 057	





Diaphragm valve DIASTAR TenPlus PVC-U FC (Fail safe to close) With solvent cement spigots metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **both sides**

* PN: PTFE

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	161 685 012	161 685 032
25	20	10/10*	271	161 685 013	161 685 033
32	25	10/10*	481	161 685 014	161 685 034
40	32	10/10*	759	161 685 015	161 685 035
50	40	10/10*	1263	161 685 016	161 685 036
63	50	10/10*	1728	161 685 017	161 685 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23



Diaphragm valve DIASTAR TenPlus PVC-U FC (Fail safe to close) With backing flanges PVC-U metric/BS

Model:

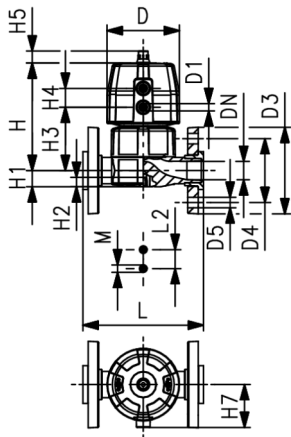
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



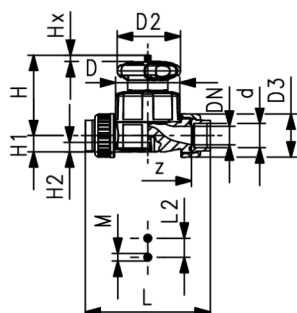
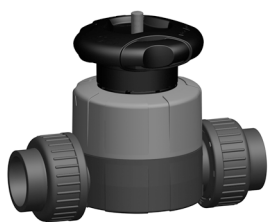
d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	PTFE/EPDM Code	PTFE/FPM Code	
20	15	10/10*	125	161 687 012	161 687 062	161 687 032	161 687 052	
25	20	10/10*	271	161 687 013	161 687 063	161 687 033	161 687 053	
32	25	10/10*	481	161 687 014	161 687 064	161 687 034	161 687 054	
40	32	10/10*	759	161 687 015	161 687 065	161 687 035	161 687 055	
50	40	10/10*	1263	161 687 016	161 687 066	161 687 036	161 687 056	
63	50	10/10*	1728	161 687 017	161 687 067	161 687 037	161 687 057	

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	96	1/8	95	65	14	130	25	127	14	12	68	25	16	57	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	120	1/8	115	85	14	160	25	167	22	12	93	26	26	69	M6
40	150	1/4	140	100	18	180	45	196	26	15	101	36	26	88	M8
50	180	1/4	150	110	18	200	45	239	32	15	124	37	26	103	M8
63	180	1/4	165	125	18	230	45	251	39	15	137	37	26	103	M8

d [mm]	Lift = Hx [mm]	
20	7	
25	10	
32	13	
40	15	
50	19	
63	23	

Diaphragm valves new generation

Diaphragm valve type 514 PVC-U SF With solvent cement sockets metric



Model:

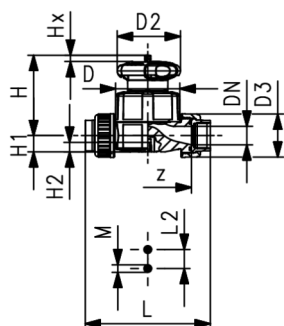
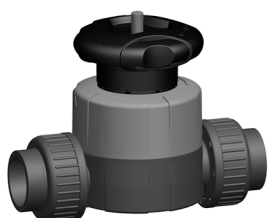
- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
16	10	10	125	161 514 021	161 514 071
20	15	10	125	161 514 022	161 514 072
25	20	10	271	161 514 023	161 514 073
32	25	10	481	161 514 024	161 514 074
40	32	10	759	161 514 025	161 514 075
50	40	10	1263	161 514 026	161 514 076
63	50	10	1728	161 514 027	161 514 077

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
16	65	65	43	124	25	73	14	12	M6	96	7
20	65	65	43	128	25	73	14	12	M6	96	7
25	80	65	51	152	25	81	18	12	M6	114	10
32	88	87	58	166	25	107	22	12	M6	122	13
40	101	87	72	192	45	115	26	15	M8	140	15
50	117	135	83	222	45	148	32	15	M8	160	19
63	144	135	100	266	45	166	39	15	M8	190	25



Diaphragm valve type 514 PVC-U SF With threaded sockets Rp

Model:

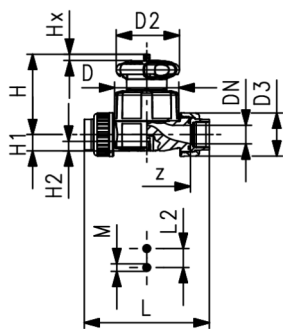
- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

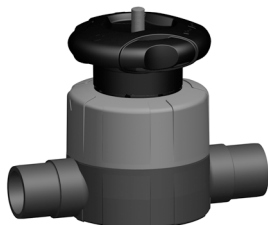
- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
½	15	10	125	161 514 422	161 514 472
¾	20	10	271	161 514 423	161 514 473
1	25	10	481	161 514 424	161 514 474
1 ¼	32	10	759	161 514 425	161 514 475
1 ½	40	10	1263	161 514 426	161 514 476
2	50	10	1728	161 514 427	161 514 477

table continued next page



Rp [inch]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	65	65	43	128	25	73	14	12	M6	96	7	
3/4	80	65	51	152	25	81	18	12	M6	114	10	
1	88	87	58	166	25	107	22	12	M6	122	13	
1 1/4	101	87	72	192	45	115	26	15	M8	140	15	
1 1/2	117	135	83	222	45	148	32	15	M8	160	19	
2	144	135	100	266	45	166	39	15	M8	190	25	



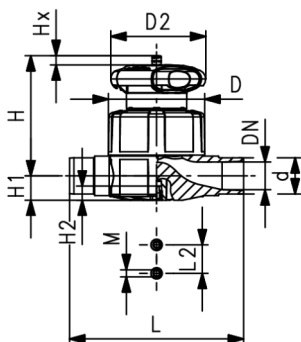
Diaphragm valve type 515 PVC-U SF With solvent cement spigots metric

Model:

- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

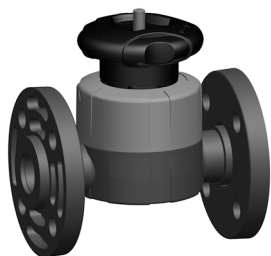
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10	125	161 515 022	161 515 072	
25	20	10	271	161 515 023	161 515 073	
32	25	10	481	161 515 024	161 515 074	
40	32	10	759	161 515 025	161 515 075	
50	40	10	1263	161 515 026	161 515 076	
63	50	10	1728	161 515 027	161 515 077	

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
20	65	65	124	25	73	14	12	M6	7	
25	80	65	144	25	81	18	12	M6	10	
32	88	87	154	25	107	22	12	M6	13	
40	101	87	174	45	115	26	15	M8	15	
50	117	135	194	45	148	32	15	M8	19	
63	144	135	224	45	166	39	15	M8	25	



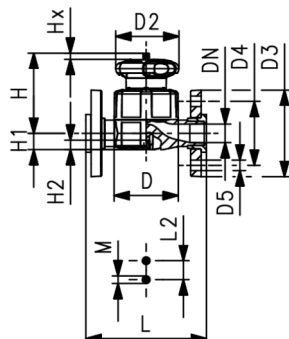
Diaphragm valve type 517 PVC-U SF With backing flanges PVC-U metric

Model:

- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10
- Flat sealing faces

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

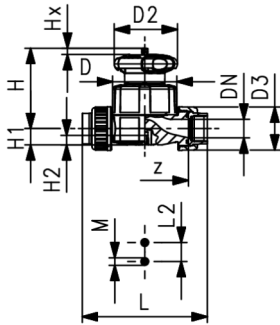


d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	161 517 022	161 517 072
25	20	10	271	161 517 023	161 517 073
32	25	10	481	161 517 024	161 517 074
40	32	10	759	161 517 025	161 517 075
50	40	10	1263	161 517 026	161 517 076
63	50	10	1728	161 517 027	161 517 077

d [mm]	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
20	65	65	95	65	14	130	25	73	14	12	M6	7
25	80	65	105	75	14	150	25	81	18	12	M6	10
32	88	87	115	85	14	160	25	107	22	12	M6	13
40	101	87	140	100	18	180	45	115	26	15	M8	15
50	117	135	150	110	18	200	45	148	32	15	M8	19
63	144	135	165	125	18	230	45	166	39	15	M8	25

Diaphragm valves new generation

Diaphragm valve type 514 PVC-U With solvent cement sockets BS



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

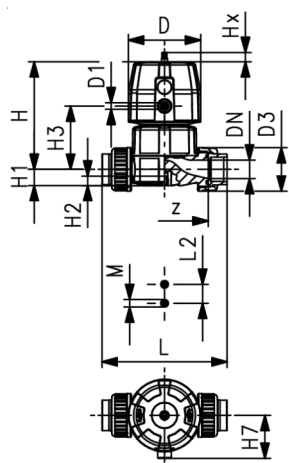
Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code	
1/2	15	10	125	161 514 502	161 514 512	161 514 532	161 514 562	
3/4	20	10	271	161 514 503	161 514 513	161 514 533	161 514 563	
1	25	10	481	161 514 504	161 514 514	161 514 534	161 514 564	
1 1/4	32	10	759	161 514 505	161 514 515	161 514 535	161 514 565	
1 1/2	40	10	1263	161 514 506	161 514 516	161 514 536	161 514 566	
2	50	10	1728	161 514 507	161 514 517	161 514 537	161 514 567	

Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	65	65	43	128	25	73	14	12	M6	96	7	
3/4	80	65	51	152	25	81	18	12	M6	114	10	
1	88	87	58	166	25	107	22	12	M6	122	13	
1 1/4	101	87	72	192	45	115	26	15	M8	140	15	
1 1/2	117	135	83	222	45	148	32	15	M8	160	19	
2	144	135	100	266	45	166	39	15	M8	190	25	

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close) Unions with solvent cement sockets BS



Model:

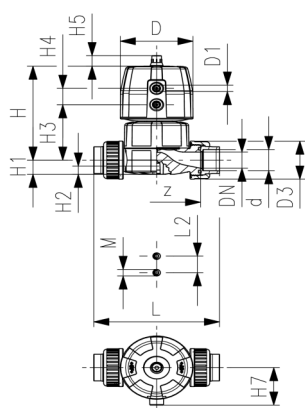
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- For easy installation and removal
- Short overall length
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- PN16 available as a configuration

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
1/2	15	6	125	161 614 512
3/4	20	6	271	161 614 513
1	25	6	481	161 614 514
1 1/4	32	6	759	161 614 515
1 1/2	40	6	960	161 614 516
2	50	6	1181	161 614 517

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	68	1/2	128	25	101	14	12	60	43	M6	96	7
3/4	96	1/2	152	25	132	18	12	73	57	M6	114	10
1	96	1/2	166	25	143	22	12	84	57	M6	122	13
1 1/4	120	1/2	192	45	173	26	15	99	69	M8	140	14
1 1/2	120	1/2	222	45	193	32	15	119	69	M8	160	16
2	120	1/2	266	45	205	39	15	132	69	M8	190	16



Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) Unions with solvent cement sockets BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

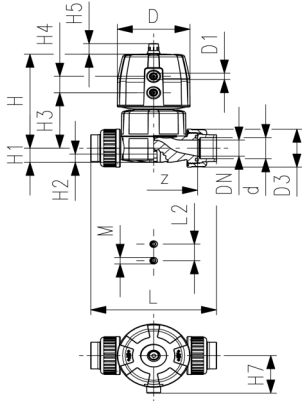
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **one side**

Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 624 512	161 624 532
3/4	20	10/10*	271	161 624 513	161 624 533
1	25	10/10*	481	161 624 514	161 624 534
1 1/4	32	10/10*	759	161 624 515	161 624 535
1 1/2	40	10/10*	1263	161 624 516	161 624 536
2	50	10/6*	1728	161 624 517	161 624 537

table continued next page



Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
½	68	⅝	128	25	101	14	12	60	24	16	43	M6	96	7
¾	96	⅝	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	⅝	166	25	143	22	12	84	25	16	57	M6	122	13
1 ¼	120	⅝	192	45	173	26	15	99	26	26	69	M8	140	15
1 ½	150	¾	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	¾	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) Unions with solvent cement sockets BS

Model:

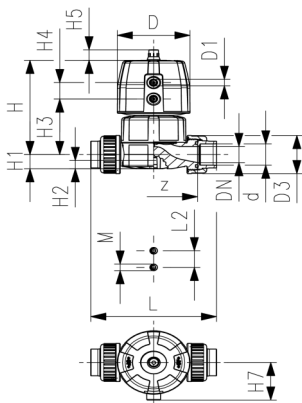
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
½	15	10/10*	125	161 644 512	161 644 532
¾	20	10/10*	271	161 644 513	161 644 533
1	25	10/10*	481	161 644 514	161 644 534
1 ¼	32	10/10*	759	161 644 515	161 644 535
1 ½	40	10/10*	1263	161 644 516	161 644 536
2	50	10/10*	1728	161 644 517	161 644 537

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
½	68	⅝	128	25	101	14	12	60	24	16	43	M6	96	7
¾	96	⅝	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	⅝	166	25	143	22	12	84	25	16	57	M6	122	13
1 ¼	120	⅝	192	45	173	26	15	99	26	26	69	M8	140	15
1 ½	150	¾	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	¾	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) Unions with solvent cement sockets BS

Model:

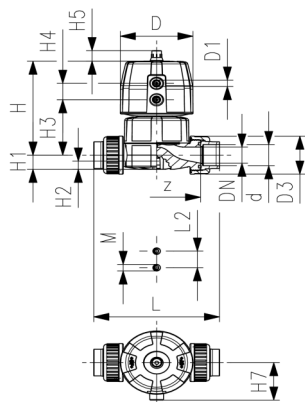
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 654 512	161 654 532
3/4	20	10/10*	271	161 654 513	161 654 533
1	25	10/10*	481	161 654 514	161 654 534
1 1/4	32	10/10*	759	161 654 515	161 654 535
1 1/2	40	10/10*	1263	161 654 516	161 654 536
2	50	10/10*	1728	161 654 517	161 654 537

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR TenPlus PVC-U FC (Fail safe to close) Unions with solvent cement sockets BS

Model:

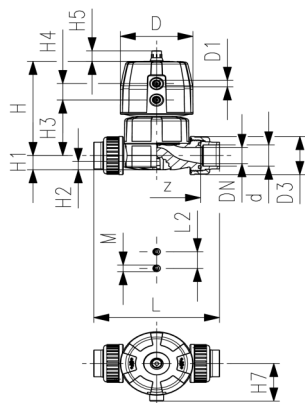
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

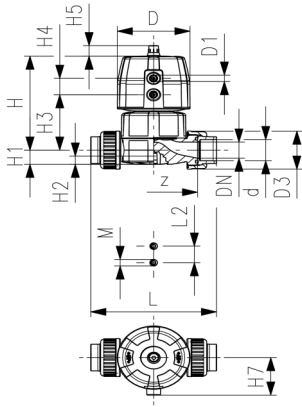
* PN: PTFE

Working Pressure: **both sides**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 684 512	161 684 532
3/4	20	10/10*	271	161 684 513	161 684 533
1	25	10/10*	481	161 684 514	161 684 534
1 1/4	32	10/10*	759	161 684 515	161 684 535
1 1/2	40	10/10*	1263	161 684 516	161 684 536
2	50	10/10*	1728	161 684 517	161 684 537

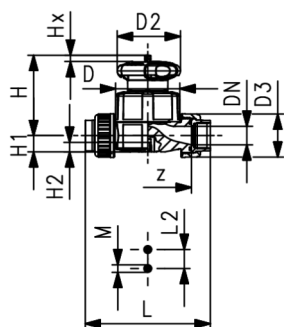
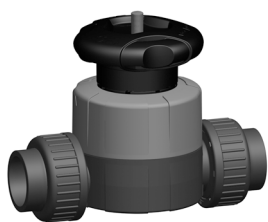
table continued next page



Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
½	96	⅛	128	25	127	14	12	68	25	16	57	M6	96	7	
¾	96	⅛	152	25	132	18	12	73	25	16	57	M6	114	10	
1	120	⅛	166	25	167	22	12	93	26	26	69	M6	122	13	
1 ¼	150	¼	192	45	196	26	15	101	36	26	88	M8	140	15	
1 ½	180	¼	222	45	239	32	15	124	37	26	103	M8	160	19	
2	180	¼	266	45	251	39	15	137	37	26	103	M8	190	23	

Diaphragm valves new generation

Diaphragm valve type 514 PVC-U With solvent cement sockets ASTM



Model:

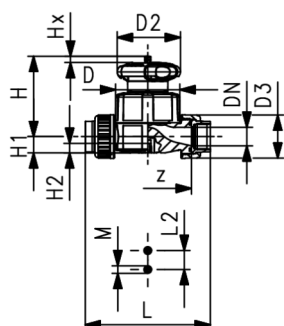
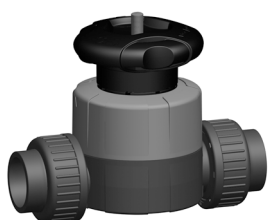
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 514 612	161 514 632
3/4	20	10	271	161 514 613	161 514 633
1	25	10	481	161 514 614	161 514 634
1 1/4	32	10	759	161 514 615	161 514 635
1 1/2	40	10	1263	161 514 616	161 514 636
2	50	10	1728	161 514 617	161 514 637

Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	65	65	43	141	25	73	14	12	M6	96	7
3/4	80	65	51	165	25	81	18	12	M6	114	10
1	88	87	58	179	25	107	22	12	M6	122	13
1 1/4	101	87	72	204	45	115	26	15	M8	140	15
1 1/2	117	135	83	230	45	148	32	15	M8	160	19
2	144	135	100	268	45	166	39	15	M8	190	25



Diaphragm valve type 514 PVC-U With threaded sockets NPT

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

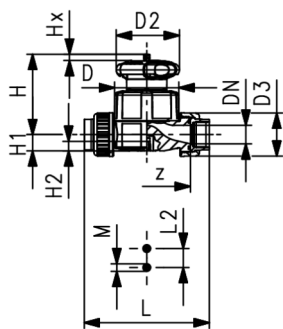
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

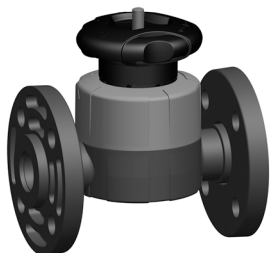
NPT [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 514 712	161 514 732
3/4	20	10	271	161 514 713	161 514 733
1	25	10	481	161 514 714	161 514 734
1 1/4	32	10	759	161 514 715	161 514 735
1 1/2	40	10	1263	161 514 716	161 514 736
2	50	10	1728	161 514 717	161 514 737

NPT [inch]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	65	65	43	128	25	73	14	12	M6	96	7
3/4	80	65	51	152	25	81	18	12	M6	114	10
1	88	87	58	166	25	107	22	12	M6	122	13

table continued next page



NPT [inch]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
1 ¼	101	87	72	192	45	115	26	15	M8	140	15	
1 ½	117	135	83	222	45	148	32	15	M8	160	19	
2	144	135	100	266	45	166	39	15	M8	190	25	



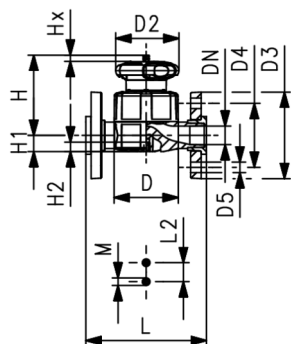
Diaphragm valve type 517 PVC-U With backing flanges PVC-U Inch ANSI

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759
- Flat sealing faces

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



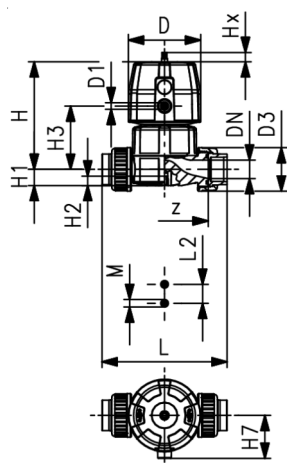
Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
½	15	10	125	161 517 612	161 517 632	
¾	20	10	271	161 517 613	161 517 633	
1	25	10	481	161 517 614	161 517 634	
1 ¼	32	10	759	161 517 615	161 517 635	
1 ½	40	10	1263	161 517 616	161 517 636	
2	50	10	1728	161 517 617	161 517 637	

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
½	65	65	95	60	16	130	25	73	14	12	M6	7	
¾	80	65	105	70	16	150	25	81	18	12	M6	10	
1	88	87	115	79	16	160	25	107	22	12	M6	13	
1 ¼	101	87	140	89	16	180	45	115	26	15	M8	15	
1 ½	117	135	150	98	16	200	45	148	32	15	M8	19	
2	144	135	165	121	19	230	45	166	39	15	M8	25	

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close) Unions with solvent cement sockets ASTM



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

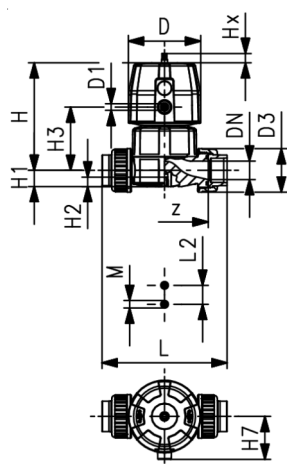
Option:

- Individual configuration of the valve (see diagram)
- PN16 available as a configuration

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
1/2	15	6	125	161 614 612	
3/4	20	6	271	161 614 613	
1	25	6	481	161 614 614	
1 1/4	32	6	759	161 614 615	
1 1/2	40	6	960	161 614 616	
2	50	6	1181	161 614 617	

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	68	1/8	141	25	101	14	12	60	43	M6	96	7	
3/4	96	1/8	165	25	132	18	12	73	57	M6	114	10	
1	96	1/8	179	25	143	22	12	84	57	M6	122	13	
1 1/4	120	1/8	204	45	173	26	15	99	69	M8	140	14	
1 1/2	120	1/8	230	45	193	32	15	119	69	M8	160	16	
2	120	1/8	268	45	205	39	15	132	69	M8	190	16	

Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close) Unions with threaded sockets NPT



Model:

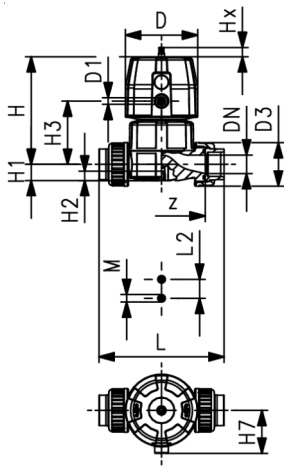
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

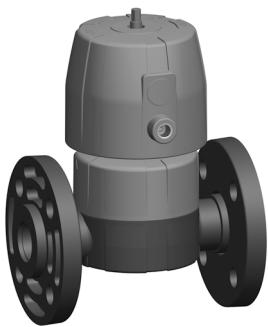
- Individual configuration of the valve (see diagram)
- PN16 available as a configuration

NPT [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
1/2	15	6	125	161 614 712	
3/4	20	6	271	161 614 713	
1	25	6	481	161 614 714	
1 1/4	32	6	759	161 614 715	
1 1/2	40	6	960	161 614 716	
2	50	6	1181	161 614 717	

table continued next page



NPT [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
½	68	⅝	128	25	101	14	12	60	43	M6	96	7	
¾	96	⅝	152	25	132	18	12	73	57	M6	114	10	
1	96	⅝	166	25	143	22	12	84	57	M6	122	13	
1 ¼	120	⅝	192	45	173	26	15	99	69	M8	140	14	
1 ½	120	⅝	222	45	193	32	15	119	69	M8	160	16	
2	120	⅝	266	45	205	39	15	132	69	M8	190	16	



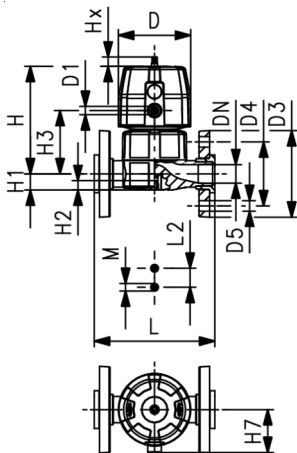
Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close) With backing flanges PVC-U Inch ANSI

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)



Inch	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	
½	15	6	125	161 617 612	
¾	20	6	271	161 617 613	
1	25	6	481	161 617 614	
1 ¼	32	6	759	161 617 615	
1 ½	40	6	960	161 617 616	
2	50	6	1181	161 617 617	

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
½	68	⅝	95	60	16	130	25	101	14	12	60	43	M6	7	
¾	96	⅝	105	70	16	150	25	132	18	12	73	57	M6	10	
1	96	⅝	115	79	16	160	25	143	22	12	84	57	M6	13	
1 ¼	120	⅝	140	89	16	180	45	173	26	15	99	69	M8	14	
1 ½	120	⅝	150	98	16	200	45	193	32	15	119	69	M8	16	
2	120	⅝	165	121	19	230	45	205	39	15	132	69	M8	16	



Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) Unions with solvent cement sockets ASTM

Model:

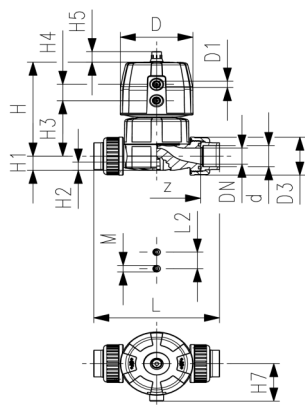
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 624 612	161 624 632
3/4	20	10/10*	271	161 624 613	161 624 633
1	25	10/10*	481	161 624 614	161 624 634
1 1/4	32	10/10*	759	161 624 615	161 624 635
1 1/2	40	10/10*	1263	161 624 616	161 624 636
2	50	10/6*	1728	161 624 617	161 624 637

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	68	1/8	141	25	101	14	12	60	24	16	43	M6	96	7
3/4	96	1/8	165	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	179	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	1/8	204	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	230	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	268	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) Unions with threaded sockets NPT

Model:

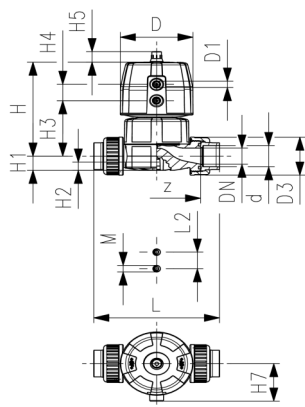
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

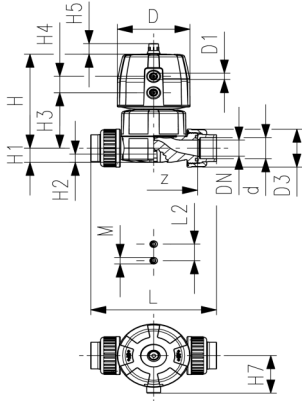
* PN: PTFE

Working Pressure: **one side**

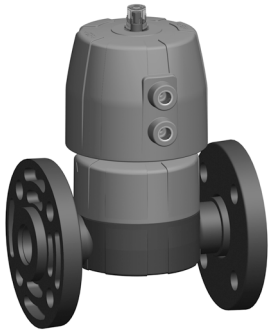


NPT [inch]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 624 712	161 624 732
3/4	20	10/10*	271	161 624 713	161 624 733
1	25	10/10*	481	161 624 714	161 624 734
1 1/4	32	10/10*	759	161 624 715	161 624 735
1 1/2	40	10/10*	1263	161 624 716	161 624 736
2	50	10/6*	1728	161 624 717	161 624 737

table continued next page



NPT [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
½	68	⅝	128	25	101	14	12	60	24	16	43	M6	96	7	
¾	96	⅝	152	25	132	18	12	73	25	16	57	M6	114	10	
1	96	⅝	166	25	143	22	12	84	25	16	57	M6	122	13	
1 ¼	120	⅝	192	45	173	26	15	99	26	26	69	M8	140	15	
1 ½	120	¾	222	45	214	32	15	119	36	26	88	M8	160	19	
2	120	¾	266	45	226	39	15	132	36	26	88	M8	190	23	



Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) With backing flanges PVC-U Inch ANSI

Model:

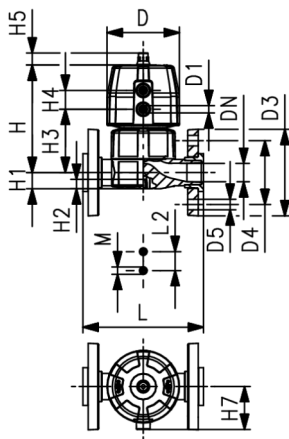
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

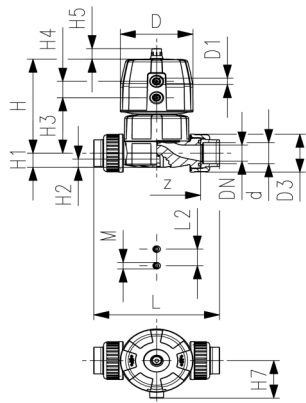
Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
½	15	10/10*	125	161 627 612	161 627 632	
¾	20	10/10*	271	161 627 613	161 627 633	
1	25	10/10*	481	161 627 614	161 627 634	
1 ¼	32	10/10*	759	161 627 615	161 627 635	
1 ½	40	10/10*	1263	161 627 616	161 627 636	
2	50	10/6*	1728	161 627 617	161 627 637	

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
½	68	⅝	95	60	16	130	25	101	14	12	60	24	16	43	M6
¾	96	⅝	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	⅝	115	79	16	160	25	143	22	12	84	25	16	57	M6
1 ¼	120	⅝	140	89	16	180	45	173	26	15	99	26	26	69	M8
1 ½	150	¾	150	98	16	200	45	193	32	15	119	36	26	88	M8
2	150	¾	165	121	19	230	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]	
½	7	
¾	10	
1	13	
1 ¼	15	
1 ½	19	
2	23	



Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) Unions with solvent cement sockets ASTM

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

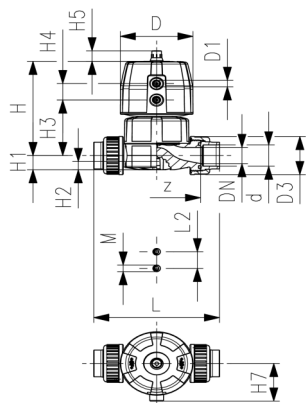
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **one side**

Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 644 612	161 644 632
3/4	20	10/10*	271	161 644 613	161 644 633
1	25	10/10*	481	161 644 614	161 644 634
1 1/4	32	10/10*	759	161 644 615	161 644 635
1 1/2	40	10/10*	1263	161 644 616	161 644 636
2	50	10/10*	1728	161 644 617	161 644 637

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	68	1/8	141	25	101	14	12	60	24	16	43	M6	96	7
3/4	96	1/8	165	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	179	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	1/8	204	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	230	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	268	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) Unions with threaded sockets NPT

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

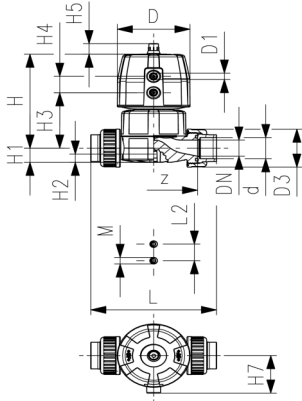
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **one side**

NPT [inch]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 644 712	161 644 732
3/4	20	10/10*	271	161 644 713	161 644 733
1	25	10/10*	481	161 644 714	161 644 734
1 1/4	32	10/10*	759	161 644 715	161 644 735
1 1/2	40	10/10*	1263	161 644 716	161 644 736
2	50	10/10*	1728	161 644 717	161 644 737

table continued next page



NPT [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
½	68	⅝	128	25	101	14	12	60	24	16	43	M6	96	7	
¾	96	⅝	152	25	132	18	12	73	25	16	57	M6	114	10	
1	96	⅝	166	25	143	22	12	84	25	16	57	M6	122	13	
1 ¼	120	⅝	192	45	173	26	15	99	26	26	69	M8	140	15	
1 ½	150	¾	222	45	214	32	15	119	36	26	69	M8	160	19	
2	150	¾	266	45	226	39	15	132	36	26	69	M8	190	23	



Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) With backing flanges PVC-U Inch ANSI

Model:

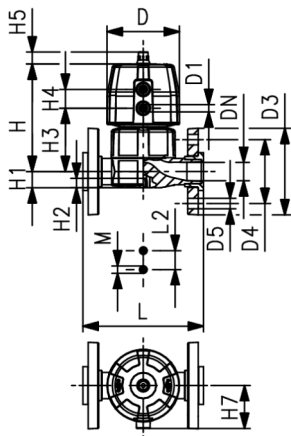
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
½	15	10/10*	125	161 647 612	161 647 632	
¾	20	10/10*	271	161 647 613	161 647 633	
1	25	10/10*	481	161 647 614	161 647 634	
1 ¼	32	10/10*	759	161 647 615	161 647 635	
1 ½	40	10/10*	1263	161 647 616	161 647 636	
2	50	10/10*	1728	161 647 617	161 647 637	

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
½	68	⅝	95	60	16	130	25	101	14	12	60	24	16	43	M6
¾	96	⅝	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	⅝	115	79	16	160	25	143	22	12	84	25	16	57	M6
1 ¼	120	⅝	140	89	16	180	45	173	26	15	99	26	26	69	M8
1 ½	150	¾	150	98	16	200	45	214	32	15	119	36	26	88	M8
2	150	¾	165	121	19	230	45	226	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]	
½	7	
¾	10	
1	13	
1 ¼	15	
1 ½	19	
2	23	



Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) Unions with solvent cement sockets ASTM

Model:

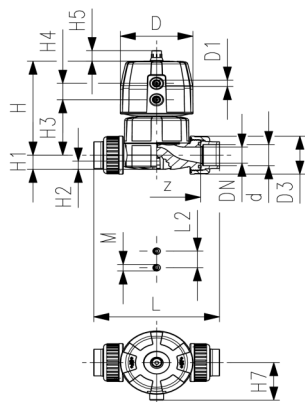
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 654 612	161 654 632
3/4	20	10/10*	271	161 654 613	161 654 633
1	25	10/10*	481	161 654 614	161 654 634
1 1/4	32	10/10*	759	161 654 615	161 654 635
1 1/2	40	10/10*	1263	161 654 616	161 654 636
2	50	10/10*	1728	161 654 617	161 654 637

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	68	1/8	141	25	101	14	12	60	24	16	43	M6	96	7
3/4	96	1/8	165	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	179	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	1/8	204	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	230	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	268	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) Unions with threaded sockets NPT

Model:

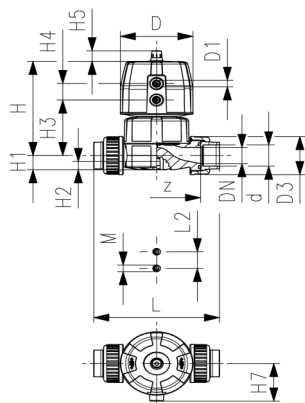
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

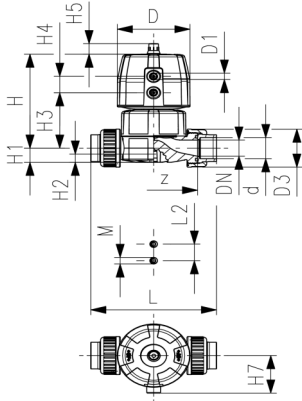
* PN: PTFE

Working Pressure: **one side**



NPT [inch]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 654 712	161 654 732
3/4	20	10/10*	271	161 654 713	161 654 733
1	25	10/10*	481	161 654 714	161 654 734
1 1/4	32	10/10*	759	161 654 715	161 654 735
1 1/2	40	10/10*	1263	161 654 716	161 654 736
2	50	10/10*	1728	161 654 717	161 654 737

table continued next page



NPT [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
½	68	⅝	128	25	101	14	12	60	45	16	43	M6	96	7	
¾	96	⅝	152	25	132	18	12	73	25	16	57	M6	114	10	
1	96	⅝	166	25	143	22	12	84	25	16	57	M6	122	13	
1 ¼	120	⅝	192	45	173	26	15	99	26	26	69	M8	140	15	
1 ½	150	¾	222	45	214	32	15	119	36	26	69	M8	160	19	
2	150	¾	266	45	226	39	15	132	36	26	69	M8	190	23	



Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) With backing flanges PVC-U Inch ANSI

Model:

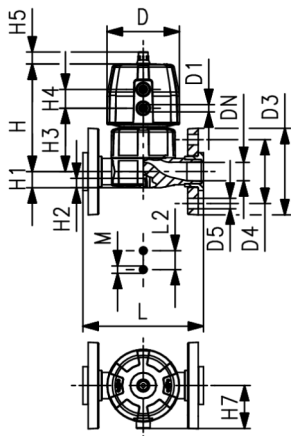
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

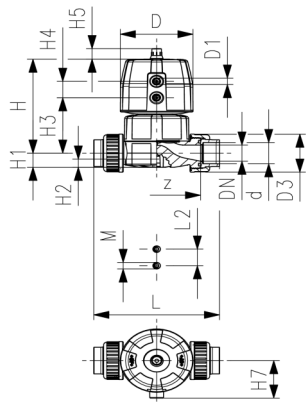
Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
½	15	10/10*	125	161 657 612	161 657 632	
¾	20	10/10*	271	161 657 613	161 657 633	
1	25	10/10*	481	161 657 614	161 657 634	
1 ¼	32	10/10*	759	161 657 615	161 657 635	
1 ½	40	10/10*	1263	161 657 616	161 657 636	
2	50	10/10*	1728	161 657 617	161 657 637	

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
½	68	⅝	95	60	16	130	25	101	14	12	60	24	16	43	M6
¾	96	⅝	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	⅝	115	79	16	160	25	143	22	12	84	25	16	57	M6
1 ¼	120	⅝	140	89	16	180	45	173	26	15	99	26	26	69	M8
1 ½	150	¾	150	98	16	200	45	214	32	15	119	36	26	88	M8
2	150	¾	165	121	19	230	45	226	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]	
½	7	
¾	10	
1	13	
1 ¼	15	
1 ½	19	
2	23	



Diaphragm valve DIASTAR TenPlus PVC-U FC (Fail safe to close) Unions with solvent cement sockets ASTM

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

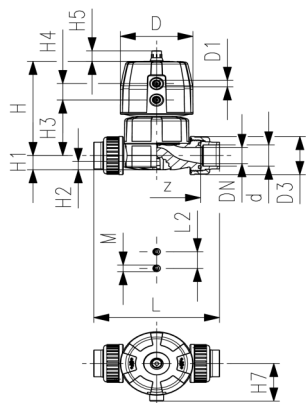
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **both sides**

Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10/10*	125	161 684 612	161 684 632	
3/4	20	10/10*	271	161 684 613	161 684 633	
1	25	10/10*	481	161 684 614	161 684 634	
1 1/4	32	10/10*	759	161 684 615	161 684 635	
1 1/2	40	10/10*	1263	161 684 616	161 684 636	
2	50	10/10*	1728	161 684 617	161 684 637	

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	96	3/8	141	25	127	14	12	68	25	16	57	M6	96	7	
3/4	96	3/8	165	25	132	18	12	73	25	16	57	M6	114	10	
1	120	1/2	179	25	167	22	12	93	26	26	69	M6	122	13	
1 1/4	150	1/4	204	45	196	26	15	101	36	26	88	M8	140	15	
1 1/2	180	1/4	230	45	239	32	15	124	37	26	103	M8	160	19	
2	180	1/4	267	45	251	39	15	137	37	26	103	M8	190	23	



Diaphragm valve DIASTAR TenPlus PVC-U FC (Fail safe to close) Unions with threaded sockets NPT

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

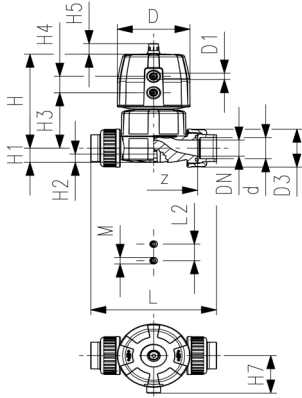
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **both sides**

NPT [inch]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10/10*	125	161 684 712	161 684 732	
3/4	20	10/10*	271	161 684 713	161 684 733	
1	25	10/10*	481	161 684 714	161 684 734	
1 1/4	32	10/10*	759	161 684 715	161 684 735	
1 1/2	40	10/10*	1263	161 684 716	161 684 736	
2	50	10/10*	1728	161 684 717	161 684 737	

table continued next page



NPT [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
½	96	⅝	128	25	127	14	12	68	25	16	57	M6	96	7
¾	96	⅝	152	25	132	18	12	73	25	16	57	M6	114	10
1	120	⅝	166	25	167	22	12	93	26	26	69	M6	122	13
1 ¼	150	¾	192	45	196	26	15	101	36	26	88	M8	140	15
1 ½	180	¾	222	45	239	32	15	124	37	26	103	M8	160	19
2	180	¾	266	45	251	39	15	137	37	26	103	M8	190	23



Diaphragm valve DIASTAR TenPlus PVC-U FC (Fail safe to close) With backing flanges PVC-U Inch ANSI

Model:

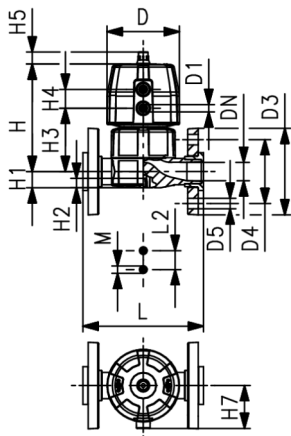
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



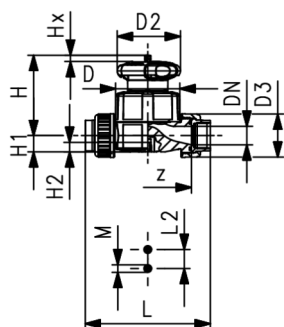
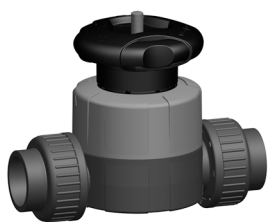
Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
½	15	10/10*	125	161 687 612	161 687 632
¾	20	10/10*	271	161 687 613	161 687 633
1	25	10/10*	481	161 687 614	161 687 634
1 ¼	32	10/10*	759	161 687 615	161 687 635
1 ½	40	10/10*	1263	161 687 616	161 687 636
2	50	10/10*	1728	161 687 617	161 687 637

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
½	96	⅝	95	60	16	130	25	127	14	12	68	25	16	57	M6
¾	96	⅝	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	120	⅝	115	79	16	160	25	167	22	12	93	26	26	69	M6
1 ¼	150	¾	140	89	16	180	45	196	26	15	101	36	26	88	M8
1 ½	180	¾	150	98	16	200	45	239	32	15	124	37	26	103	M8
2	180	¾	165	121	19	230	45	251	39	15	137	37	26	103	M8

Inch	Lift = Hx [mm]
½	7
¾	10
1	13
1 ¼	15
1 ½	19
2	23

Diaphragm valves new generation

Diaphragm valve type 514 PVC-U SF With solvent cement sockets BS



Model:

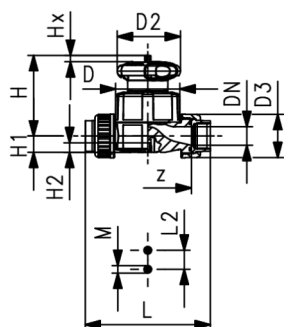
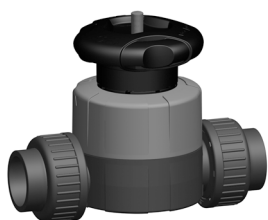
- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 514 522	161 514 572
3/4	20	10	271	161 514 523	161 514 573
1	25	10	481	161 514 524	161 514 574
1 1/4	32	10	759	161 514 525	161 514 575
1 1/2	40	10	1263	161 514 526	161 514 576
2	50	10	1728	161 514 527	161 514 577

Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	65	65	43	141	25	73	14	12	M6	96	7
3/4	80	65	51	165	25	81	18	12	M6	114	10
1	88	87	58	179	25	107	22	12	M6	122	13
1 1/4	101	87	72	204	45	115	26	15	M8	140	15
1 1/2	117	135	83	230	45	148	32	15	M8	160	19
2	144	135	100	268	45	166	39	15	M8	190	25



Diaphragm valve type 514 PVC-U SF With solvent cement sockets ASTM

Model:

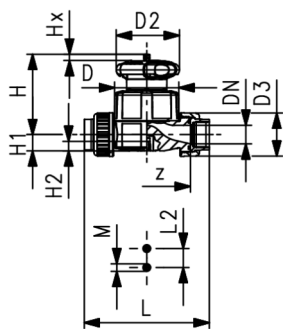
- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

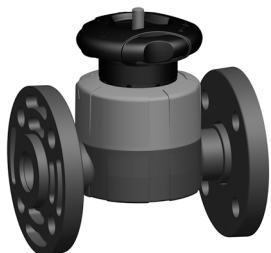
- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 514 622	161 514 672
3/4	20	10	271	161 514 623	161 514 673
1	25	10	481	161 514 624	161 514 674
1 1/4	32	10	759	161 514 625	161 514 675
1 1/2	40	10	1263	161 514 626	161 514 676
2	50	10	1728	161 514 627	161 514 677

table continued next page



Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
½	65	65	43	136	25	73	14	12	M6	96	7	
¾	80	65	51	160	25	81	18	12	M6	114	10	
1	88	87	58	176	25	107	22	12	M6	122	13	
1 ¼	101	87	72	198	45	115	26	15	M8	140	15	
1 ½	117	135	83	232	45	148	32	15	M8	160	19	
2	144	135	100	268	45	166	39	15	M8	190	25	



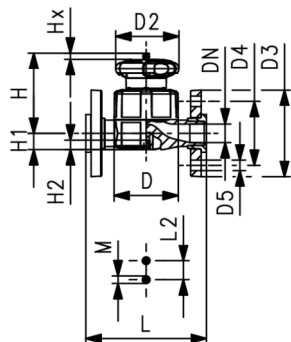
Diaphragm valve type 517 PVC-U SF With backing flanges PVC-U Inch ANSI

Model:

- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759
- Flat sealing faces

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

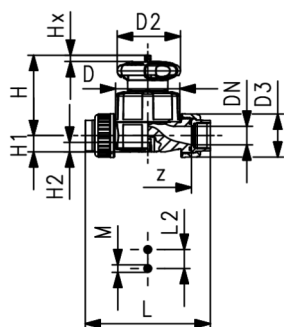
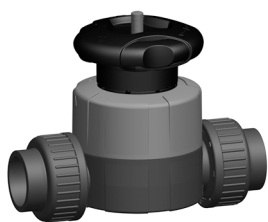


Inch	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
½	15	10	125	161 517 622	161 517 672	
¾	20	10	271	161 517 623	161 517 673	
1	25	10	481	161 517 624	161 517 674	
1 ¼	32	10	759	161 517 625	161 517 675	
1 ½	40	10	1263	161 517 626	161 517 676	
2	50	10	1728	161 517 627	161 517 677	

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
½	65	65	95	60	16	130	25	73	14	12	M6	7	
¾	80	65	105	70	16	150	25	81	18	12	M6	10	
1	88	87	115	79	16	160	25	107	22	12	M6	13	
1 ¼	101	87	140	89	16	180	45	115	26	15	M8	15	
1 ½	117	135	150	98	16	200	45	148	32	15	M8	19	
2	144	135	165	121	19	230	45	166	39	15	M8	25	

Diaphragm valves new generation

Diaphragm valve type 514 PVC-U With solvent cement sockets JIS



Model:

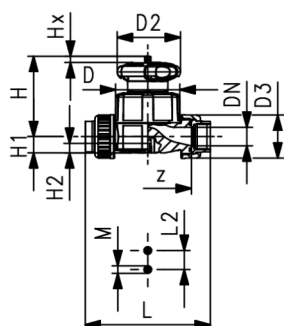
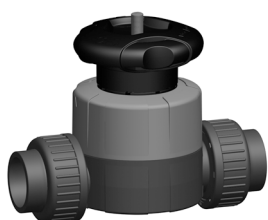
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 514 812	161 514 832
3/4	20	10	271	161 514 813	161 514 833
1	25	10	481	161 514 814	161 514 834
1 1/4	32	10	759	161 514 815	161 514 835
1 1/2	40	10	1263	161 514 816	161 514 836
2	50	10	1728	161 514 817	161 514 837

Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	80	65	51	152	25	81	18	12	M6	120	10
3/4	80	65	51	152	25	81	18	12	M6	114	10
1	88	87	58	166	25	107	22	12	M6	122	13
1 1/4	101	87	72	192	45	115	26	15	M8	140	15
1 1/2	117	135	83	222	45	148	32	15	M8	160	19
2	144	135	100	266	45	166	39	15	M8	190	25



Diaphragm valve type 514 PVC-U With threaded sockets Rc

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

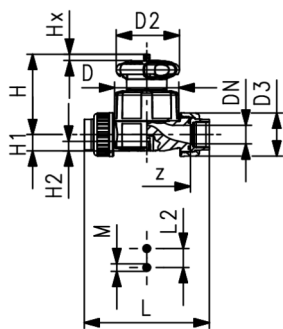
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

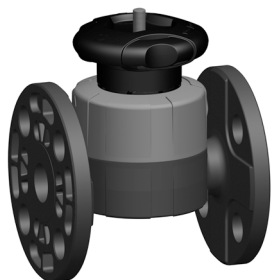
Rc [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 514 912	161 514 932
3/4	20	10	271	161 514 913	161 514 933
1	25	10	481	161 514 914	161 514 934
1 1/4	32	10	759	161 514 915	161 514 935
1 1/2	40	10	1263	161 514 916	161 514 936
2	50	10	1728	161 514 917	161 514 937

Rc [inch]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	80	65	51	152	25	81	18	12	M6	120	10
3/4	80	65	51	152	25	81	18	12	M6	114	10
1	88	87	58	166	25	107	22	12	M6	122	13

table continued next page



Rc [inch]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
1 ¼	101	87	72	192	45	115	26	15	M8	140	15	
1 ½	117	135	83	222	45	148	32	15	M8	160	19	
2	144	135	100	266	45	166	39	15	M8	190	25	



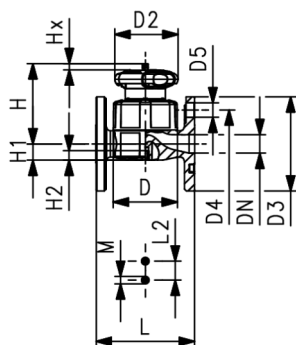
Diaphragm valve type 517 PVC-U With fixed flanges PVC-U JIS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



Inch	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
½	15	10	125	161 517 912	161 517 932	
¾	20	10	271	161 517 913	161 517 933	
1	25	10	481	161 517 914	161 517 934	
1 ¼	32	10	759	161 517 915	161 517 935	
1 ½	40	10	1263	161 517 916	161 517 936	
2	50	10	1728	161 517 917	161 517 937	

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
½	65	65	95	70	15	110	25	73	14	12	M6	7	
¾	80	65	100	75	15	120	25	81	18	12	M6	10	
1	88	87	125	90	19	130	25	107	22	12	M6	13	
1 ¼	101	87	135	100	19	180	45	115	26	15	M8	15	
1 ½	117	135	140	105	19	180	45	148	32	15	M8	19	
2	144	135	155	120	19	210	45	166	39	15	M8	25	

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close)

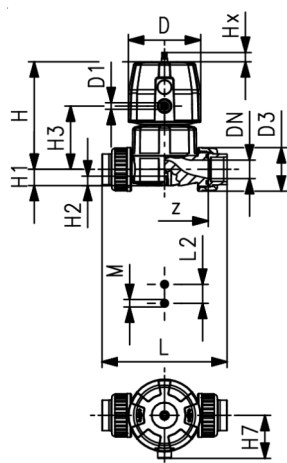
Unions with solvent cement sockets JIS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- PN16 available as a configuration



Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
1/2	15	6	125	161 614 812
3/4	20	6	271	161 614 813
1	25	6	481	161 614 814
1 1/4	32	6	759	161 614 815
1 1/2	40	6	960	161 614 816
2	50	6	1181	161 614 817

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	96	1/8	152	25	132	18	12	73	57	M6	120	10
3/4	96	1/8	152	25	132	18	12	73	57	M6	114	10
1	96	1/8	166	25	143	22	12	84	57	M6	122	13
1 1/4	120	1/8	192	45	173	26	15	99	69	M6	140	14
1 1/2	120	1/8	222	45	193	32	15	119	69	M6	160	16
2	120	1/8	266	45	205	39	15	132	69	M6	190	16

Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close)

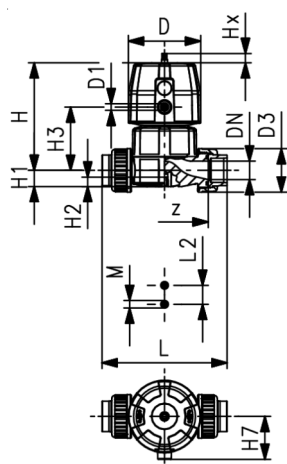
Unions with threaded sockets Rc

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

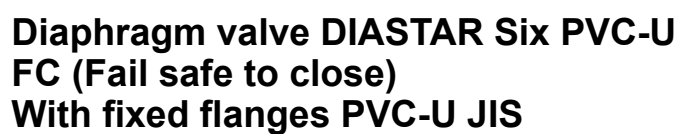
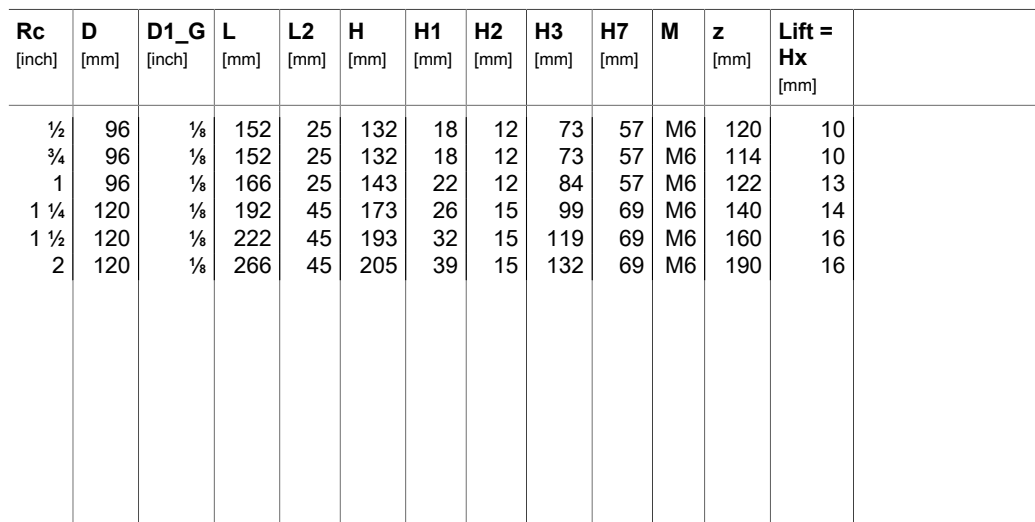
Option:

- Individual configuration of the valve (see diagram)
- PN16 available as a configuration



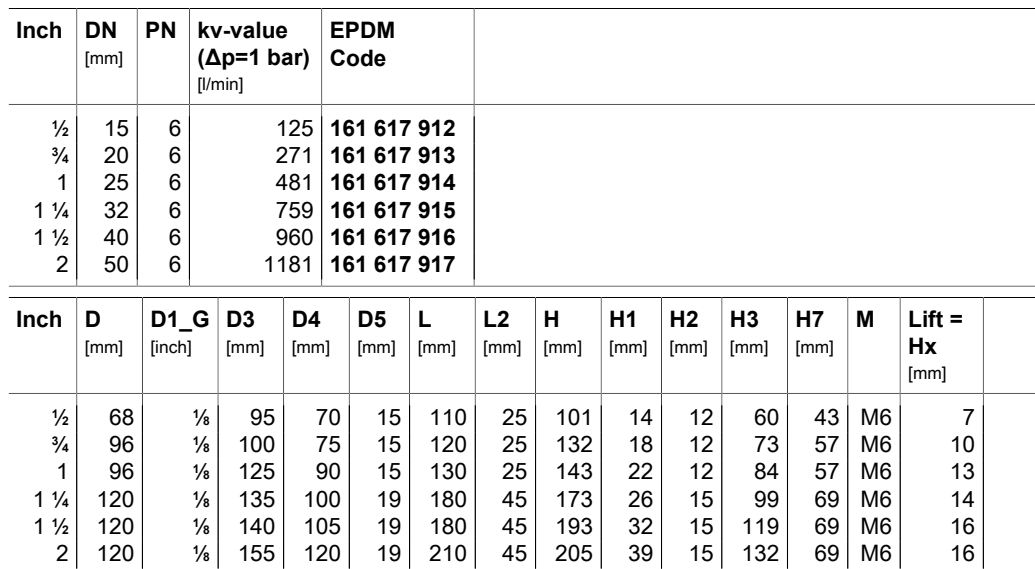
Rc [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
1/2	15	6	125	161 614 912
3/4	20	6	271	161 614 913
1	25	6	481	161 614 914
1 1/4	32	6	759	161 614 915
1 1/2	40	6	960	161 614 916
2	50	6	1181	161 614 917

table continued next page



- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

- Individual configuration of the valve (see diagram)





Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) Unions with solvent cement sockets JIS

Model:

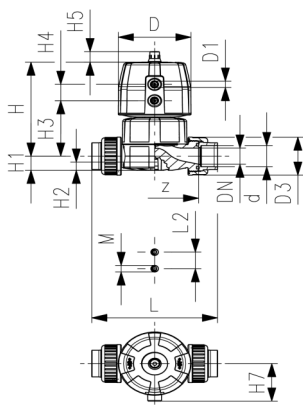
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 624 812	161 624 832
3/4	20	10/10*	271	161 624 813	161 624 833
1	25	10/10*	481	161 624 814	161 624 834
1 1/4	32	10/10*	759	161 624 815	161 624 835
1 1/2	40	10/10*	1263	161 624 816	161 624 836
2	50	10/6*	1728	161 624 817	161 624 837

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	96	1/8	152	25	132	18	12	73	25	16	57	M6	120	10
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	144	10
1	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) Unions with threaded sockets Rc

Model:

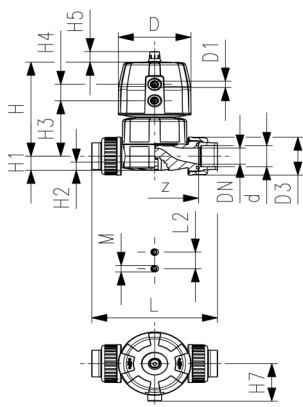
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

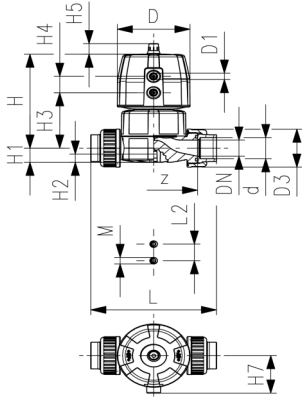
* PN: PTFE

Working Pressure: **one side**

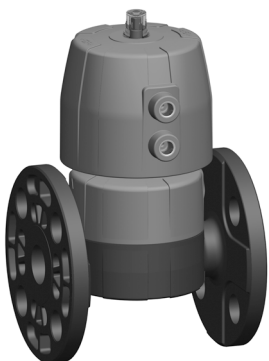


Rc [inch]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 624 912	161 624 932
3/4	20	10/10*	271	161 624 913	161 624 933
1	25	10/10*	481	161 624 914	161 624 934
1 1/4	32	10/10*	759	161 624 915	161 624 935
1 1/2	40	10/10*	1263	161 624 916	161 624 936
2	50	10/6*	1728	161 624 917	161 624 937

table continued next page



Rc [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	96	1/8	152	25	132	18	12	73	25	16	57	M6	120	10	
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10	
1	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13	
1 1/4	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15	
1 1/2	120	1/4	222	45	214	32	15	119	36	26	88	M8	160	19	
2	120	1/4	266	45	226	39	15	132	36	26	88	M8	190	23	



Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) With fixed flanges PVC-U JIS

Model:

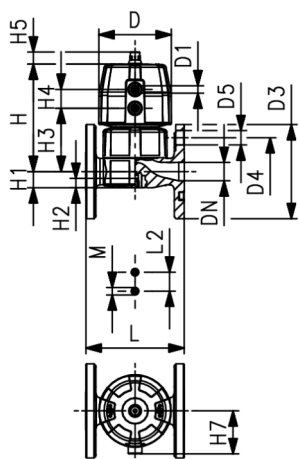
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10/10*	125	161 627 912	161 627 932	
3/4	20	10/10*	271	161 627 913	161 627 933	
1	25	10/10*	481	161 627 914	161 627 934	
1 1/4	32	10/10*	759	161 627 915	161 627 935	
1 1/2	40	10/10*	1263	161 627 916	161 627 936	
2	50	10/6*	1728	161 627 917	161 627 937	

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	57	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	140	105	19	180	45	193	32	15	119	36	26	88	M8
2	150	1/4	155	120	19	210	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]	
1/2	7	
3/4	10	
1	13	
1 1/4	15	
1 1/2	19	
2	23	



Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) Unions with solvent cement sockets JIS

Model:

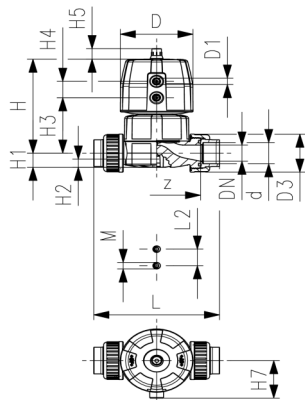
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 644 812	161 644 832
3/4	20	10/10*	271	161 644 813	161 644 833
1	25	10/10*	481	161 644 814	161 644 834
1 1/4	32	10/10*	759	161 644 815	161 644 835
1 1/2	40	10/10*	1263	161 644 816	161 644 836
2	50	10/10*	1728	161 644 817	161 644 837

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	96	1/8	152	25	132	18	12	73	25	16	57	M6	120	10
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) Unions with threaded sockets Rc

Model:

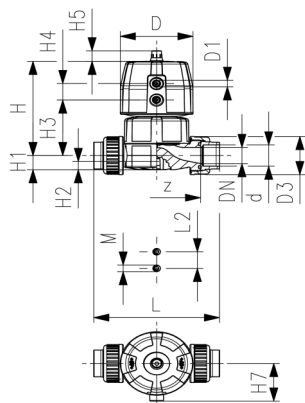
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

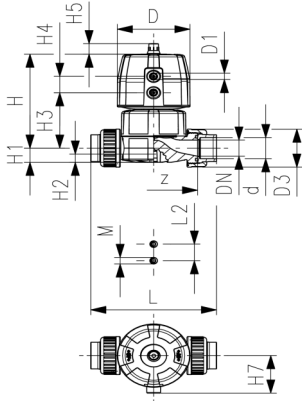
* PN: PTFE

Working Pressure: **one side**

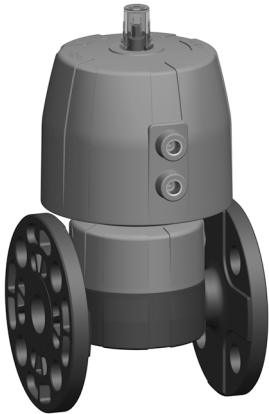


Rc [inch]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 644 912	161 644 932
3/4	20	10/10*	271	161 644 913	161 644 933
1	25	10/10*	481	161 644 914	161 644 934
1 1/4	32	10/10*	759	161 644 915	161 644 935
1 1/2	40	10/10*	1263	161 644 916	161 644 936
2	50	10/10*	1728	161 644 917	161 644 937

table continued next page



Rc [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
½	96	⅜	152	25	132	18	12	73	25	16	57	M6	120	10	
¾	96	⅜	152	25	132	18	12	73	25	16	57	M6	114	10	
1	96	⅜	166	25	143	22	12	84	25	16	57	M6	122	13	
1 ¼	120	⅜	192	45	173	26	15	99	26	26	69	M8	140	15	
1 ½	150	¼	222	45	214	32	15	119	36	26	69	M8	160	19	
2	150	¼	266	45	226	39	15	132	36	26	69	M8	190	23	



Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) With fixed flanges PVC-U JIS

Model:

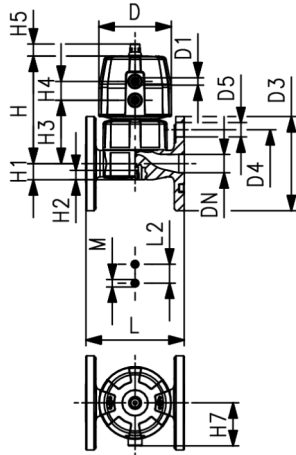
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
½	15	10/10*	125	161 647 912	161 647 932	
¾	20	10/10*	271	161 647 913	161 647 933	
1	25	10/10*	481	161 647 914	161 647 934	
1 ¼	32	10/10*	759	161 647 915	161 647 935	
1 ½	40	10/10*	1263	161 647 916	161 647 936	
2	50	10/10*	1728	161 647 917	161 647 937	

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
½	68	⅜	95	70	15	110	25	101	14	12	60	24	16	43	M6
¾	96	⅜	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	⅜	125	90	19	130	25	143	22	12	84	25	16	57	M6
1 ¼	120	⅜	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 ½	150	¼	140	105	19	180	45	214	32	15	119	36	26	88	M8
2	150	¼	155	120	19	210	45	226	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]	
½	7	
¾	10	
1	13	
1 ¼	15	
1 ½	19	
2	23	



Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) Unions with solvent cement sockets JIS

Model:

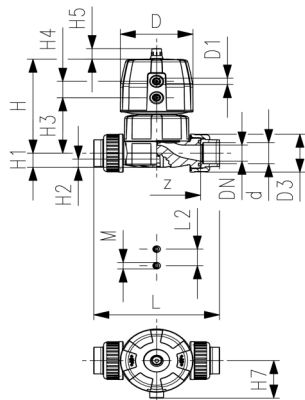
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 654 812	161 654 832
3/4	20	10/10*	271	161 654 813	161 654 833
1	25	10/10*	481	161 654 814	161 654 834
1 1/4	32	10/10*	759	161 654 815	161 654 835
1 1/2	40	10/10*	1263	161 654 816	161 654 836
2	50	10/10*	1728	161 654 817	161 654 837

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	96	1/8	152	25	132	18	12	73	25	16	57	M6	120	10
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) Unions with threaded sockets Rc

Model:

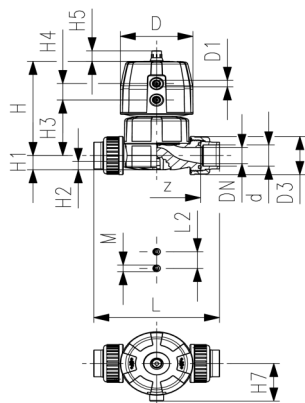
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

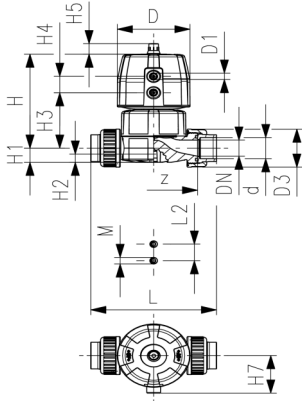
* PN: PTFE

Working Pressure: **one side**

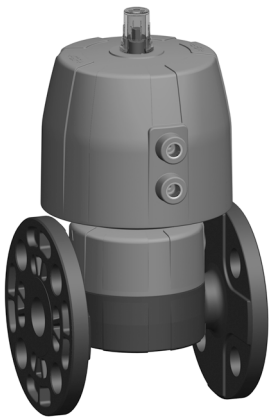


Rc [inch]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 654 912	161 654 932
3/4	20	10/10*	271	161 654 913	161 654 933
1	25	10/10*	481	161 654 914	161 654 934
1 1/4	32	10/10*	759	161 654 915	161 654 935
1 1/2	40	10/10*	1263	161 654 916	161 654 936
2	50	10/10*	1728	161 654 917	161 654 937

table continued next page



Rc [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	96	1/8	152	25	132	18	12	73	25	16	57	M6	120	10	
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10	
1	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13	
1 1/4	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15	
1 1/2	150	1/4	222	45	214	32	15	119	36	26	69	M8	160	19	
2	150	1/4	266	45	226	39	15	132	36	26	69	M8	190	23	



Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) With fixed flanges PVC-U JIS

Model:

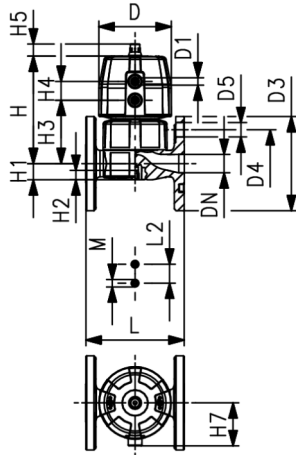
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10/10*	125	161 657 912	161 657 932	
3/4	20	10/10*	271	161 657 913	161 657 933	
1	25	10/10*	481	161 657 914	161 657 934	
1 1/4	32	10/10*	759	161 657 915	161 657 935	
1 1/2	40	10/10*	1263	161 657 916	161 657 936	
2	50	10/10*	1728	161 657 917	161 657 937	

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	57	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	88	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]	
1/2	7	
3/4	10	
1	13	
1 1/4	15	
1 1/2	19	
2	23	



Diaphragm valve DIASTAR TenPlus PVC-U FC (Fail safe to close) low pressure Unions with solvent cement sockets JIS

Model:

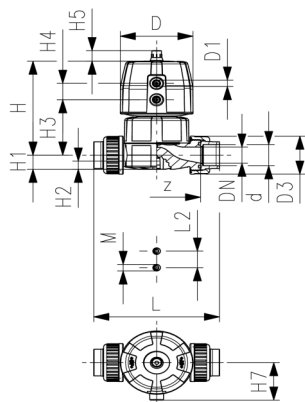
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **both sides**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10/8*	125	161 684 812	161 684 832	
3/4	20	10/8*	271	161 684 813	161 684 833	
1	25	10/8*	481	161 684 814	161 684 834	
1 1/4	32	10/8*	759	161 684 815	161 684 835	
1 1/2	40	10/8*	1263	161 684 816	161 684 836	
2	50	10/6*	1728	161 684 817	161 684 837	

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	96	1/8	152	25	132	18	12	73	25	16	57	M6	120	10	
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10	
1	120	1/8	166	25	167	22	12	93	26	26	69	M6	122	13	
1 1/4	150	1/4	192	45	196	26	15	101	36	26	88	M8	140	15	
1 1/2	180	1/4	222	45	239	32	15	124	37	26	103	M8	160	19	
2	180	1/4	266	45	251	39	15	137	37	26	103	M8	190	23	



Diaphragm valve DIASTAR TenPlus PVC-U FC (Fail safe to close) low pressure Unions with threaded sockets Rc

Model:

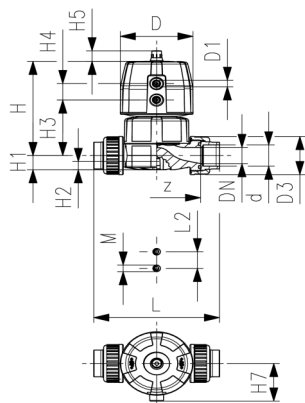
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

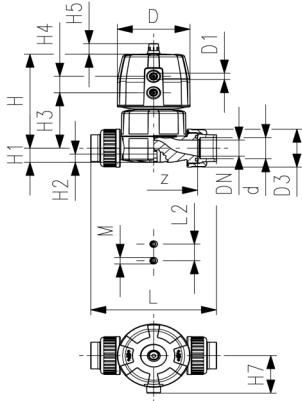
* PN: PTFE

Working Pressure: **both sides**

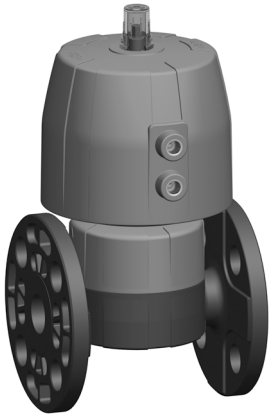


Rc [inch]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10/8*	125	161 684 912	161 684 932	
3/4	20	10/8*	271	161 684 913	161 684 933	
1	25	10/8*	481	161 684 914	161 684 934	
1 1/4	32	10/8*	759	161 684 915	161 684 935	
1 1/2	40	10/8*	1263	161 684 916	161 684 936	
2	50	10/6*	1728	161 684 917	161 684 937	

table continued next page



Rc [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	96	1/8	152	25	132	18	12	73	25	16	57	M6	120	10
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
1	120	1/8	166	25	167	22	12	93	26	26	69	M6	122	13
1 1/4	150	1/4	192	45	196	26	15	101	36	26	88	M8	140	15
1 1/2	180	1/4	222	45	239	32	15	124	37	26	103	M8	160	19
2	180	1/4	266	45	251	39	15	137	37	26	103	M8	190	23



Diaphragm valve DIASTAR TenPlus PVC-U FC (Fail safe to close) low pressure With fixed flanges PVC-U JIS

Model:

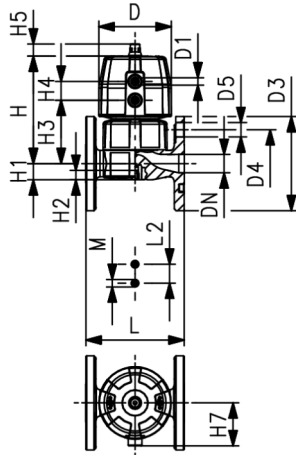
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



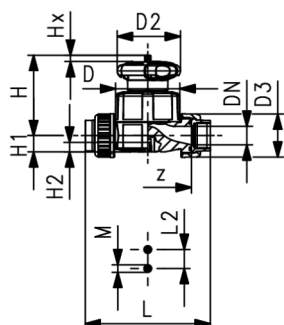
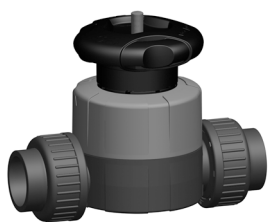
Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/8*	125	161 687 912	161 687 932
3/4	20	10/8*	271	161 687 913	161 687 933
1	25	10/8*	481	161 687 914	161 687 934
1 1/4	32	10/8*	759	161 687 915	161 687 935
1 1/2	40	10/8*	1263	161 687 916	161 687 936
2	50	10/6*	1728	161 687 917	161 687 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	96	1/8	95	70	15	110	25	127	14	12	68	25	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	120	1/8	125	90	19	130	25	167	22	12	93	26	26	69	M6
1 1/4	150	1/4	135	100	19	180	45	196	26	15	101	36	26	88	M8
1 1/2	180	1/4	140	105	19	180	45	239	32	15	124	37	26	103	M8
2	180	1/4	155	120	19	210	45	251	39	15	137	37	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23

Diaphragm valves new generation

Diaphragm valve type 514 PVC-U OF With solvent cement sockets JIS



Model:

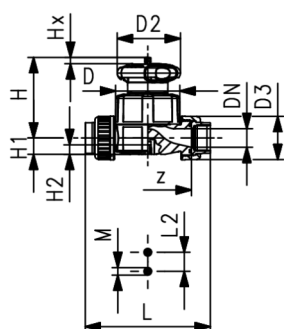
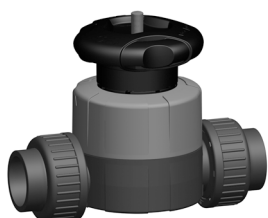
- Oil free
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
½	15	10	125	161 514 822	161 514 872
¾	20	10	271	161 514 823	161 514 873
1	25	10	481	161 514 824	161 514 874
1 ¼	32	10	759	161 514 825	161 514 875
1 ½	40	10	1263	161 514 826	161 514 876
2	50	10	1728	161 514 827	161 514 877

Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
½	80	65	51	152	25	81	18	12	M6	120	10
¾	80	65	51	152	25	81	18	12	M6	114	10
1	88	87	58	166	25	107	22	12	M6	122	13
1 ¼	101	87	72	192	45	115	26	15	M8	140	15
1 ½	117	135	83	222	45	148	32	15	M8	160	19
2	144	135	100	266	45	166	39	15	M8	190	25



Diaphragm valve type 514 PVC-U OF With threaded sockets Rc

Model:

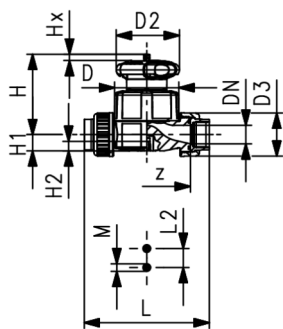
- Oil free
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

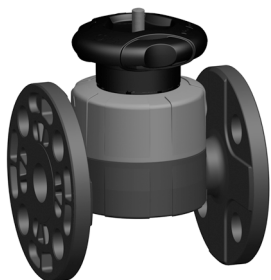
- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

Rc [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
½	15	10	125	161 514 922	161 514 972
¾	20	10	271	161 514 923	161 514 973
1	25	10	481	161 514 924	161 514 974
1 ¼	32	10	759	161 514 925	161 514 975
1 ½	40	10	1263	161 514 926	161 514 976
2	50	10	1728	161 514 927	161 514 977

table continued next page



Rc [inch]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
½	80	65	51	152	25	81	18	12	M6	120	110	
¾	80	65	51	152	25	81	18	12	M6	114	10	
1	88	87	58	166	25	107	22	12	M6	122	13	
1 ¼	101	87	72	192	45	115	26	15	M8	140	15	
1 ½	117	135	83	222	45	148	32	15	M8	160	19	
2	144	135	100	266	45	166	39	15	M8	190	25	



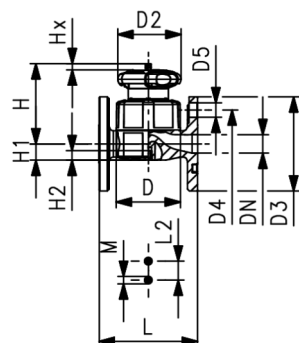
Diaphragm valve type 517 PVC-U OF With fixed flanges PVC-U JIS

Model:

- Oil free
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



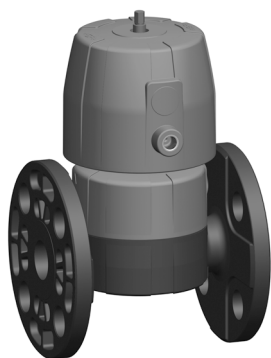
Inch	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
½	15	10	125	161 517 922	161 517 972	
¾	20	10	271	161 517 923	161 517 973	
1	25	10	481	161 517 924	161 517 974	
1 ¼	32	10	759	161 517 925	161 517 975	
1 ½	40	10	1263	161 517 926	161 517 976	
2	50	10	1728	161 517 927	161 517 977	

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
½	65	65	95	70	15	110	25	73	14	12	M6	7	
¾	80	65	100	75	15	120	25	81	18	12	M6	10	
1	88	87	125	90	19	130	25	107	22	12	M6	13	
1 ¼	101	87	135	100	19	180	45	115	26	15	M8	15	
1 ½	117	135	140	105	19	180	45	148	32	15	M8	19	
2	144	135	155	120	19	210	45	166	39	15	M8	25	

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six PVC-U SF FC (Fail safe to close) With fixed flanges PVC-U JIS

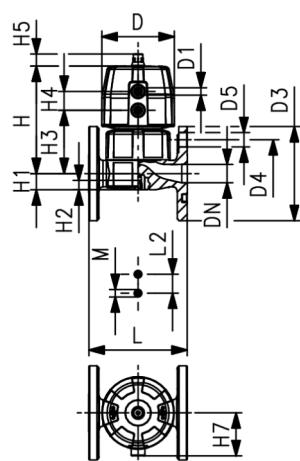


Model:

- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

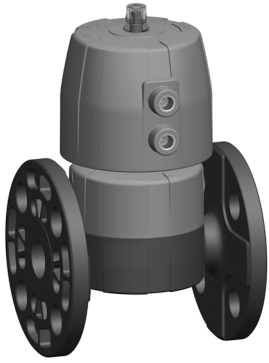
Option:

- Individual configuration of the valve (see diagram)



Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code										
1/2	15	6	125	161 617 922										
3/4	20	6	271	161 617 923										
1	25	6	481	161 617 924										
1 1/4	32	6	759	161 617 925										
1 1/2	40	6	960	161 617 926										
2	50	6	1181	161 617 927										

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]
1/2	68	1/8	95	70	15	110	25	101	14	12	60	43	M6	7
3/4	96	1/8	100	75	15	120	25	132	18	12	73	57	M6	10
1	96	1/8	125	90	15	130	25	143	22	12	84	57	M6	13
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	69	M6	14
1 1/2	120	1/8	140	105	19	180	45	193	32	15	119	69	M6	16
2	120	1/8	155	120	19	210	45	205	39	15	132	69	M6	16



Diaphragm valve DIASTAR Ten PVC-U SF FC (Fail safe to close) With fixed flanges PVC-U JIS

Model:

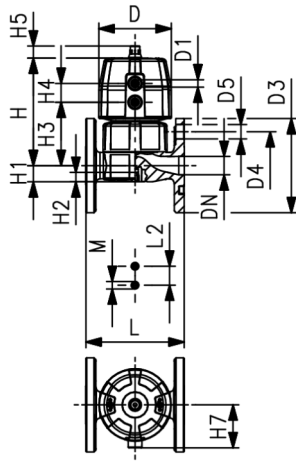
- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code										
1/2	15	10/10*	125	161 627 922	161 627 972										
3/4	20	10/10*	271	161 627 923	161 627 973										
1	25	10/10*	481	161 627 924	161 627 974										
1 1/4	32	10/10*	759	161 627 925	161 627 975										
1 1/2	40	10/10*	1263	161 627 926	161 627 976										
2	50	10/6*	1728	161 627 927	161 627 977										

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	57	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	140	105	19	180	45	193	32	15	119	36	26	88	M8
2	150	1/4	155	120	19	210	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]														
1/2	7														
3/4	10														
1	13														
1 1/4	15														
1 1/2	19														
2	23														



Diaphragm valve DIASTAR Ten PVC-U SF **FO (Fail safe to open)** **With fixed flanges PVC-U JIS**

Model:

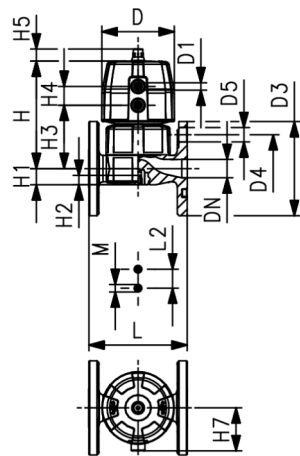
- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

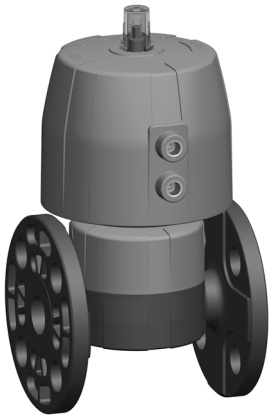
Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 647 922	161 647 972
3/4	20	10/10*	271	161 647 923	161 647 973
1	25	10/10*	481	161 647 924	161 647 974
1 1/4	32	10/10*	759	161 647 925	161 647 975
1 1/2	40	10/10*	1263	161 647 926	161 647 976
2	50	10/10*	1728	161 647 927	161 647 977

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	57	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	88	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



Diaphragm valve DIASTAR Ten PVC-U SF DA (Double acting) With fixed flanges PVC-U JIS

Model:

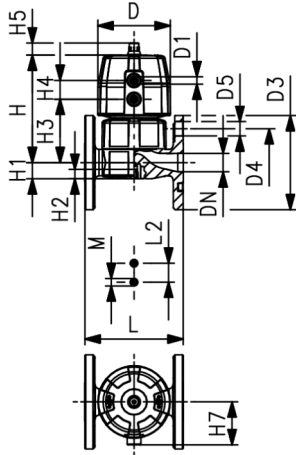
- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10/10*	125	161 657 922	161 657 972	
3/4	20	10/10*	271	161 657 923	161 657 973	
1	25	10/10*	481	161 657 924	161 657 974	
1 1/4	32	10/10*	759	161 657 925	161 657 975	
1 1/2	40	10/10*	1263	161 657 926	161 657 976	
2	50	10/10*	1728	161 657 927	161 657 977	

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	57	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	88	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]	
1/2	7	
3/4	10	
1	13	
1 1/4	15	
1 1/2	19	
2	23	



Diaphragm valve DIASTAR TenPlus PVC-U OF FC (Fail safe to close) low pressure With fixed flanges PVC-U JIS

Model:

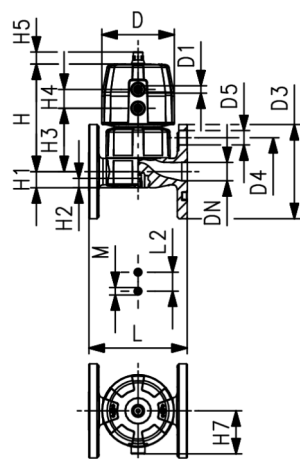
- Oil free
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/8*	125	161 687 922	161 687 972
3/4	20	10/8*	271	161 687 923	161 687 973
1	25	10/8*	481	161 687 924	161 687 974
1 1/4	32	10/8*	759	161 687 925	161 687 975
1 1/2	40	10/8*	1263	161 687 926	161 687 976
2	50	10/6*	1728	161 687 927	161 687 977

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	96	1/8	95	70	15	110	25	127	14	12	68	25	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	120	1/8	125	90	19	130	25	167	22	12	93	26	26	69	M6
1 1/4	150	1/4	135	100	19	180	45	196	26	15	101	36	26	88	M8
1 1/2	180	1/4	140	105	19	180	45	239	32	15	124	37	26	103	M8
2	180	1/4	155	120	19	210	45	251	39	15	137	37	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



Diaphragm valve DIASTAR TenPlus PVC-U OF FC (Fail safe to close) low pressure Unions with solvent cement sockets JIS

Model:

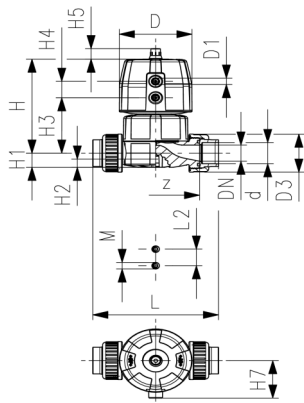
- Oil free
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **both sides**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/8*	125	161 684 822	161 684 872
3/4	20	10/8*	271	161 684 823	161 684 873
1	25	10/8*	481	161 684 824	161 684 874
1 1/4	32	10/8*	759	161 684 825	161 684 875
1 1/2	40	10/8*	1263	161 684 826	161 684 876
2	50	10/6*	1728	161 684 827	161 684 877

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	96	1/8	152	25	132	18	12	73	25	16	57	M6	120	10
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
1	120	1/8	166	25	167	22	12	93	26	26	69	M6	122	13
1 1/4	150	1/4	192	45	196	26	15	101	36	26	88	M8	140	15
1 1/2	180	1/4	222	45	239	32	15	124	37	26	103	M8	160	19
2	180	1/4	266	45	251	39	15	137	37	26	103	M8	190	23



Diaphragm valve DIASTAR TenPlus PVC-U OF FC (Fail safe to close) low pressure Unions with threaded sockets Rc

Model:

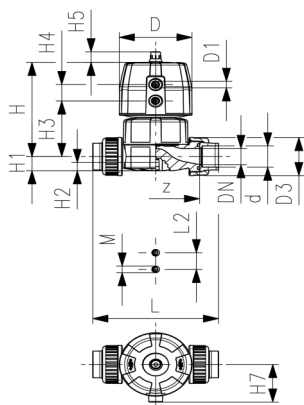
- Oil free
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

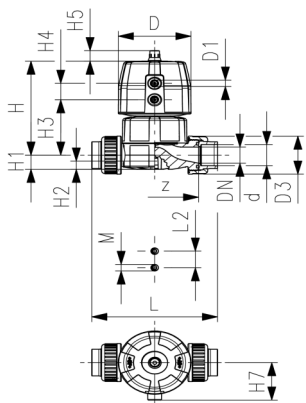
* PN: PTFE

Working Pressure: **both sides**



Rc [inch]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/8*	125	161 684 922	161 684 972
3/4	20	10/8*	271	161 684 923	161 684 973
1	25	10/8*	481	161 684 924	161 684 974
1 1/4	32	10/8*	759	161 684 925	161 684 975
1 1/2	40	10/8*	1263	161 684 926	161 684 976
2	50	10/6*	1728	161 684 927	161 684 977

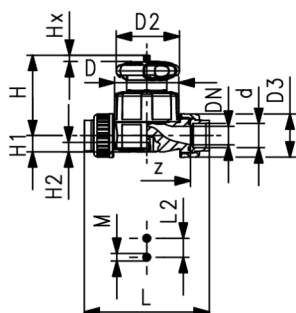
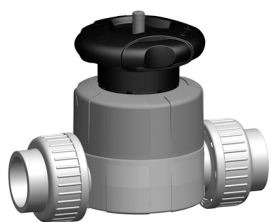
table continued next page



Rc [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
½	96	⅝	152	25	132	18	12	73	25	16	57	M6	120	10	
¾	96	⅝	152	25	132	18	12	73	25	16	57	M6	114	10	
1	120	⅝	166	25	167	22	12	93	26	26	69	M6	122	13	
1 ¼	150	¾	192	45	196	26	15	101	36	26	88	M8	140	15	
1 ½	180	¾	222	45	239	32	15	124	37	26	103	M8	160	19	
2	180	¾	266	45	251	39	15	137	37	26	103	M8	190	23	

Diaphragm valves new generation

Diaphragm valve type 514 PVC-C With solvent cement sockets metric



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

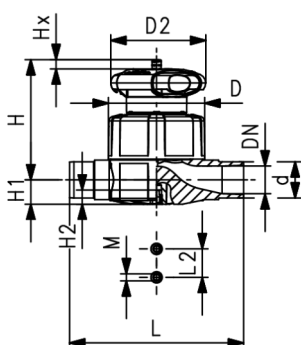
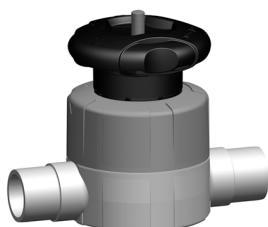
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	163 514 012	163 514 032
25	20	10	271	163 514 013	163 514 033
32	25	10	481	163 514 014	163 514 034
40	32	10	759	163 514 015	163 514 035
50	40	10	1263	163 514 016	163 514 036
63	50	10	1728	163 514 017	163 514 037

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
20	65	65	43	128	25	73	14	12	M6	96	7
25	80	65	51	152	25	81	18	12	M6	114	10
32	88	87	58	166	25	107	22	12	M6	122	13
40	101	87	72	192	45	115	26	15	M8	140	15
50	117	135	83	222	45	148	32	15	M8	160	19
63	144	135	100	266	45	166	39	15	M8	190	25

Diaphragm valve type 515 PVC-C With solvent cement spigots metric



Model:

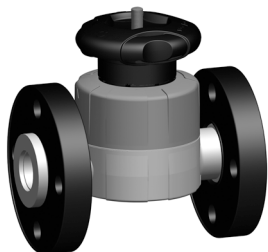
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	163 515 012	163 515 032
25	20	10	271	163 515 013	163 515 033
32	25	10	481	163 515 014	163 515 034
40	32	10	759	163 515 015	163 515 035
50	40	10	1263	163 515 016	163 515 036
63	50	10	1728	163 515 017	163 515 037

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
20	65	65	124	25	73	14	12	M6	7
25	80	65	144	25	81	18	12	M6	10
32	88	87	154	25	107	22	12	M6	13
40	101	87	174	45	115	26	15	M8	15
50	117	135	194	45	148	32	15	M8	19
63	144	135	224	45	166	39	15	M8	25



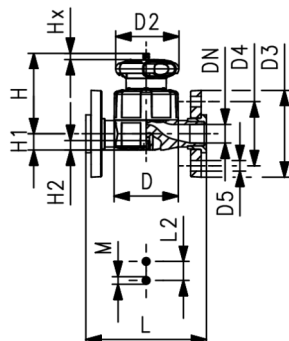
Diaphragm valve type 517 PVC-C With backing flanges PP-V metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10
- Flat sealing faces

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	163 517 112	163 517 132
25	20	10	271	163 517 113	163 517 133
32	25	10	481	163 517 114	163 517 134
40	32	10	759	163 517 115	163 517 135
50	40	10	1263	163 517 116	163 517 136
63	50	10	1728	163 517 117	163 517 137

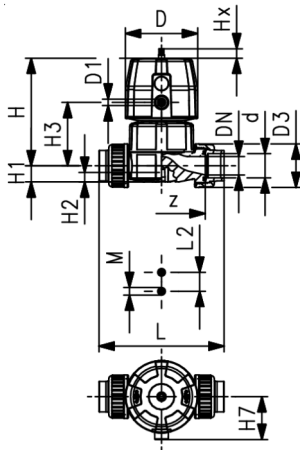
d [mm]	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
20	65	65	95	65	14	130	25	73	14	12	M6	7
25	80	65	105	75	14	150	25	81	18	12	M6	10
32	88	87	115	85	14	160	25	107	22	12	M6	13
40	101	87	140	100	18	180	45	115	26	15	M8	15
50	117	135	150	110	18	200	45	148	32	15	M8	19
63	144	135	165	125	18	230	45	166	39	15	M8	25

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six PVC-C FC (Fail safe to close)

Unions with solvent cement sockets metric



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

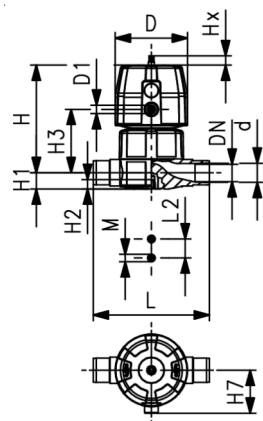
- Individual configuration of the valve (see diagram)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
20	15	6	125	163 614 012	
25	20	6	271	163 614 013	
32	25	6	481	163 614 014	
40	32	6	759	163 614 015	
50	40	6	960	163 614 016	
63	50	6	1181	163 614 017	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
20	68	1/8	128	25	101	14	12	60	43	M6	96	7	
25	96	1/8	152	25	132	18	12	73	57	M6	114	10	
32	96	1/8	166	25	143	22	12	84	57	M6	122	13	
40	120	1/8	192	45	173	26	15	99	69	M8	140	14	
50	120	1/8	222	45	193	32	15	119	69	M8	160	16	
63	120	1/8	266	45	205	39	15	132	69	M8	190	16	

Diaphragm valve DIASTAR Six PVC-C FC (Fail safe to close)

With solvent cement spigots metric



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

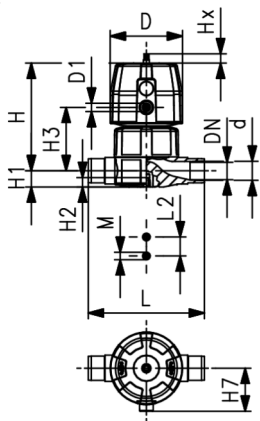
Option:

- Individual configuration of the valve (see diagram)

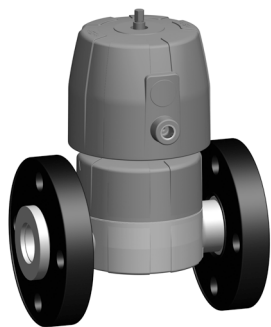
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
20	15	6	125	163 615 012	
25	20	6	271	163 615 013	
32	25	6	481	163 615 014	
40	32	6	759	163 615 015	
50	40	6	960	163 615 016	
63	50	6	1181	163 615 017	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	68	1/8	124	25	101	14	12	60	43	M6	7	
25	96	1/8	144	25	132	18	12	73	57	M6	10	
32	96	1/8	154	25	143	22	12	84	57	M6	13	

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
40	120	1/8	174	45	173	26	15	99	69	M8	14	
50	120	1/8	194	45	193	32	15	119	69	M8	16	
63	120	1/8	224	45	205	39	15	132	69	M8	16	



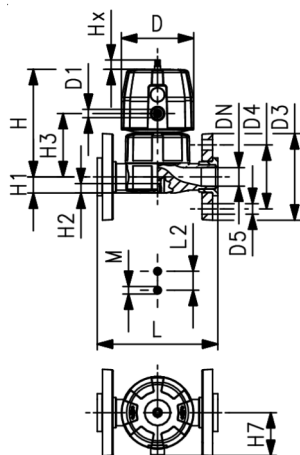
Diaphragm valve DIASTAR Six PVC-C FC (Fail safe to close) With backing flanges PP-V metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

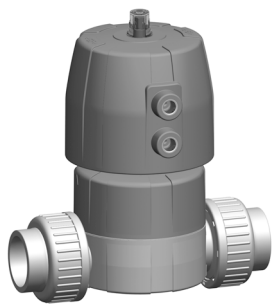
Option:

- Individual configuration of the valve (see diagram)



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	
20	15	6	125	163 617 112	
25	20	6	271	163 617 113	
32	25	6	481	163 617 114	
40	32	6	759	163 617 115	
50	40	6	960	163 617 116	
63	50	6	1181	163 617 117	

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	68	1/8	95	65	14	130	25	101	14	12	60	43	M6	7	
25	96	1/8	105	75	14	150	25	132	18	12	73	57	M6	10	
32	96	1/8	115	85	14	160	25	143	22	12	84	57	M6	13	
40	120	1/8	140	100	18	180	45	173	26	15	99	69	M8	14	
50	120	1/8	150	110	18	200	45	193	32	15	119	69	M8	16	
63	120	1/8	165	125	18	230	45	205	39	15	132	69	M8	16	



Diaphragm valve DIASTAR Ten PVC-C FC (Fail safe to close) Unions with solvent cement sockets metric

Model:

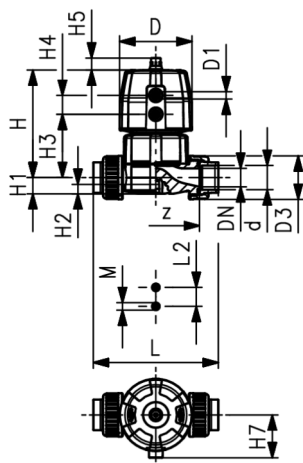
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

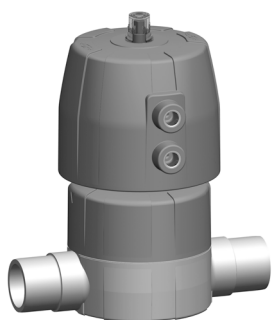
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10/10*	125	163 624 012	163 624 032	
25	20	10/10*	271	163 624 013	163 624 033	
32	25	10/10*	481	163 624 014	163 624 034	
40	32	10/10*	759	163 624 015	163 624 035	
50	40	10/10*	1263	163 624 016	163 624 036	
63	50	10/6*	1728	163 624 017	163 624 037	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-C FC (Fail safe to close) With solvent cement spigots metric

Model:

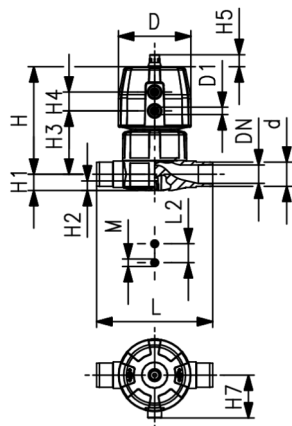
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

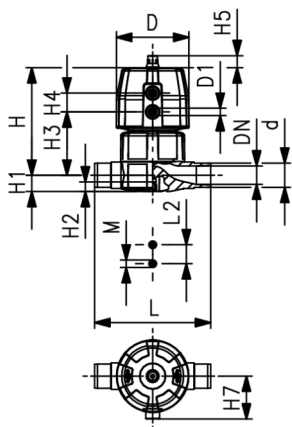
* PN: PTFE

Working Pressure: **one side**

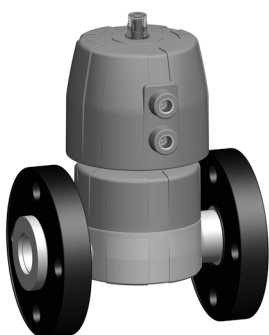


d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10/10*	125	163 625 012	163 625 032	
25	20	10/10*	271	163 625 013	163 625 033	
32	25	10/10*	481	163 625 014	163 625 034	
40	32	10/10*	759	163 625 015	163 625 035	
50	40	10/10*	1263	163 625 016	163 625 036	
63	50	10/6*	1728	163 625 017	163 625 037	

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



Diaphragm valve DIASTAR Ten PVC-C FC (Fail safe to close) With backing flanges PP-V metric/BS

Model:

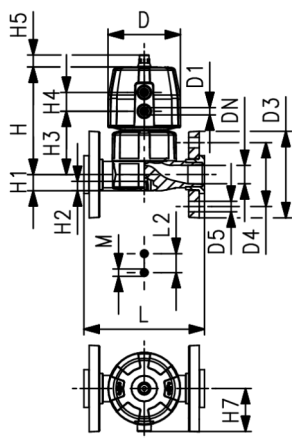
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	163 627 112	163 627 132
25	20	10/10*	271	163 627 113	163 627 133
32	25	10/10*	481	163 627 114	163 627 134
40	32	10/10*	759	163 627 115	163 627 135
50	40	10/10*	1263	163 627 116	163 627 136
63	50	10/6*	1728	163 627 117	163 627 137

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	57	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	193	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	205	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



Diaphragm valve DIASTAR Ten PVC-C FO (Fail safe to open) Unions with solvent cement sockets metric

Model:

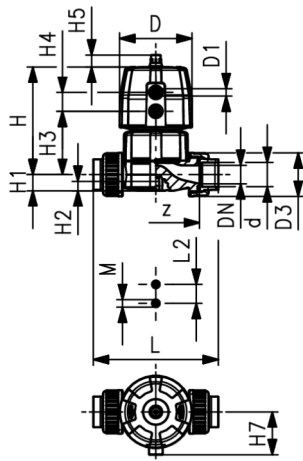
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10/10*	125	163 644 012	163 644 032	
25	20	10/10*	271	163 644 013	163 644 033	
32	25	10/10*	481	163 644 014	163 644 034	
40	32	10/10*	759	163 644 015	163 644 035	
50	40	10/10*	1263	163 644 016	163 644 036	
63	50	10/10*	1728	163 644 017	163 644 037	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-C FO (Fail safe to open) With solvent cement spigots metric

Model:

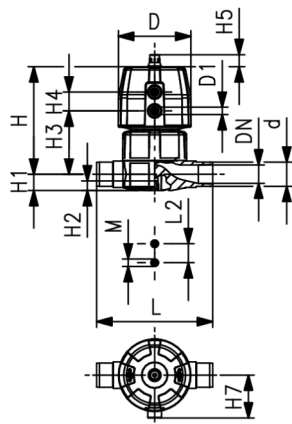
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

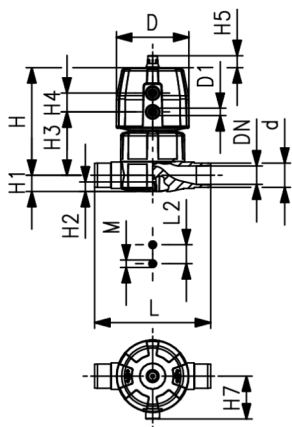
* PN: PTFE

Working Pressure: **one side**

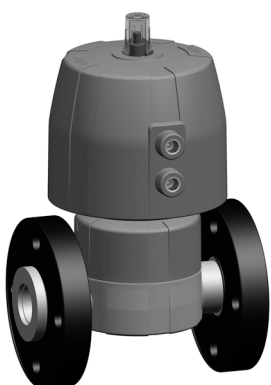


d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10/10*	125	163 645 012	163 645 032	
25	20	10/10*	271	163 645 013	163 645 033	
32	25	10/10*	481	163 645 014	163 645 034	
40	32	10/10*	759	163 645 015	163 645 035	
50	40	10/10*	1263	163 645 016	163 645 036	
63	50	10/10*	1728	163 645 017	163 645 037	

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



Diaphragm valve DIASTAR Ten PVC-C FO (Fail safe to open) With backing flanges PP-V metric/BS

Model:

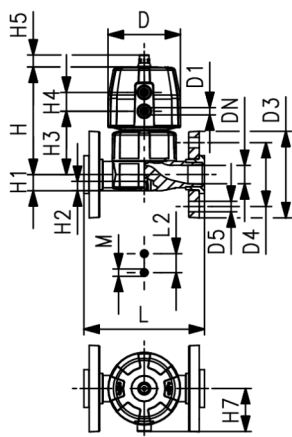
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	163 647 112	163 647 132
25	20	10/10*	271	163 647 113	163 647 133
32	25	10/10*	481	163 647 114	163 647 134
40	32	10/10*	759	163 647 115	163 647 135
50	40	10/10*	1263	163 647 116	163 647 136
63	50	10/10*	1728	163 647 117	163 647 137

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	57	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	214	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	226	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



Diaphragm valve DIASTAR Ten PVC-C DA (Double acting) Unions with solvent cement sockets metric

Model:

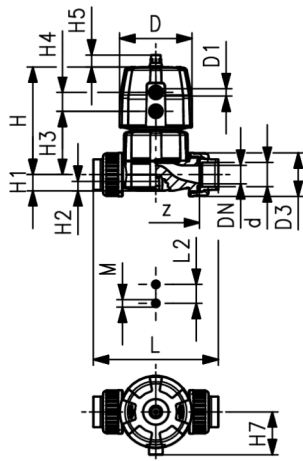
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code										
20	15	10/10*	125	163 654 012	163 654 032										
25	20	10/10*	271	163 654 013	163 654 033										
32	25	10/10*	481	163 654 014	163 654 034										
40	32	10/10*	759	163 654 015	163 654 035										
50	40	10/10*	1263	163 654 016	163 654 036										
63	50	10/10*	1728	163 654 017	163 654 037										

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7	
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10	
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13	
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15	
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19	
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23	



Diaphragm valve DIASTAR Ten PVC-C DA (Double acting) With solvent cement spigots metric

Model:

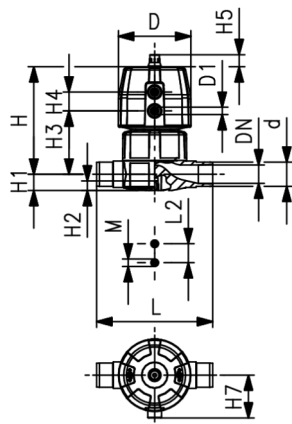
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

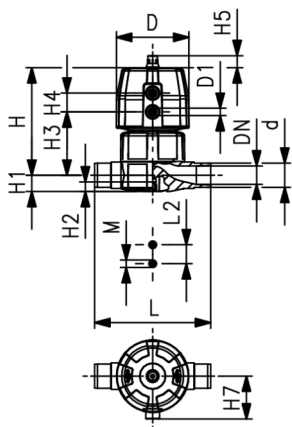
* PN: PTFE

Working Pressure: **one side**

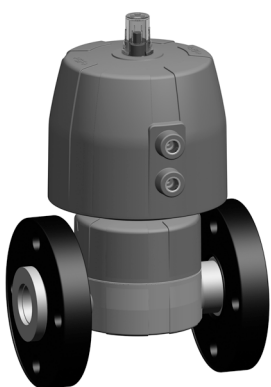


d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code										
20	15	10/10*	125	163 655 012	163 655 032										
25	20	10/10*	271	163 655 013	163 655 033										
32	25	10/10*	481	163 655 014	163 655 034										
40	32	10/10*	759	163 655 015	163 655 035										
50	40	10/10*	1263	163 655 016	163 655 036										
63	50	10/10*	1728	163 655 017	163 655 037										

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



Diaphragm valve DIASTAR Ten PVC-C DA (Double acting) With backing flanges PP-V metric/BS

Model:

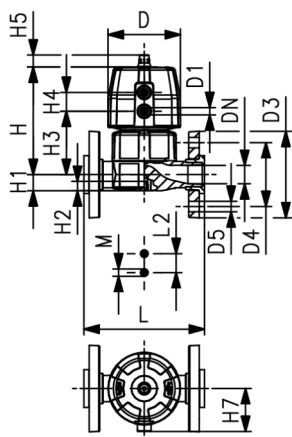
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	163 657 112	163 657 132
25	20	10/10*	271	163 657 113	163 657 133
32	25	10/10*	481	163 657 114	163 657 134
40	32	10/10*	759	163 657 115	163 657 135
50	40	10/10*	1263	163 657 116	163 657 136
63	50	10/10*	1728	163 657 117	163 657 137

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	57	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	214	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	226	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



Diaphragm valve DIASTAR TenPlus PVC-C FC (Fail safe to close) Unions with solvent cement sockets metric

Model:

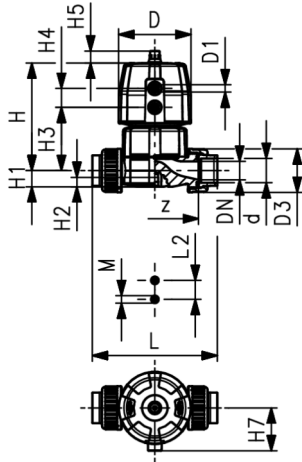
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10/10*	125	163 684 012	163 684 032	
25	20	10/10*	271	163 684 013	163 684 033	
32	25	10/10*	481	163 684 014	163 684 034	
40	32	10/10*	759	163 684 015	163 684 035	
50	40	10/10*	1263	163 684 016	163 684 036	
63	50	10/10*	1728	163 684 017	163 684 037	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
20	96	1/8	128	25	127	14	12	68	25	16	57	M6	96	7	
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10	
32	120	1/8	166	25	167	22	12	93	26	26	69	M6	122	13	
40	150	1/4	192	45	196	26	15	101	36	26	88	M8	140	15	
50	180	1/4	222	45	239	32	15	124	37	26	103	M8	160	19	
63	180	1/4	266	45	251	39	15	137	37	26	103	M8	190	23	



Diaphragm valve DIASTAR TenPlus PVC-C FC (Fail safe to close) With solvent cement spigots metric

Model:

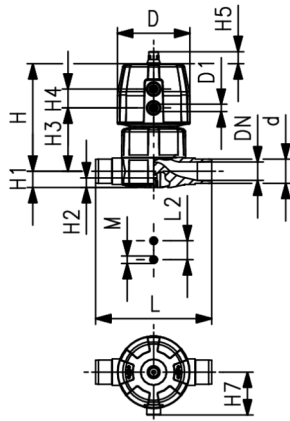
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

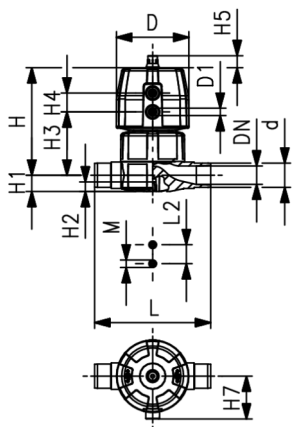
* PN: PTFE

Working Pressure: **both sides**

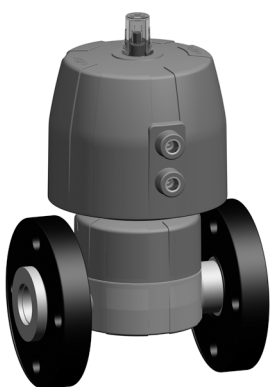


d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10/10*	125	163 685 012	163 685 032	
25	20	10/10*	271	163 685 013	163 685 033	
32	25	10/10*	481	163 685 014	163 685 034	
40	32	10/10*	759	163 685 015	163 685 035	
50	40	10/10*	1263	163 685 016	163 685 036	
63	50	10/10*	1728	163 685 017	163 685 037	

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7	
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13	
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15	
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19	
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23	



Diaphragm valve DIASTAR TenPlus PVC-C FC (Fail safe to close) With backing flanges PP-V metric/BS

Model:

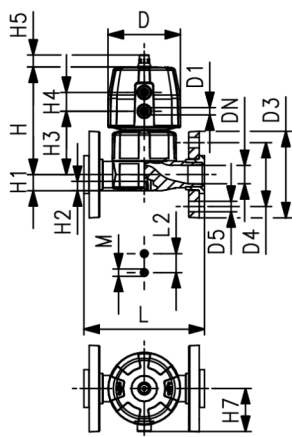
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



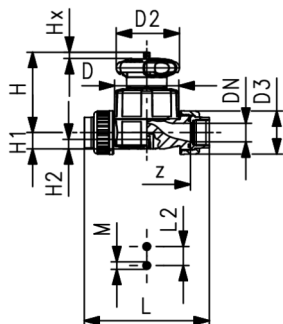
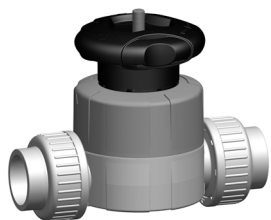
d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10/10*	125	163 687 112	163 687 132	
25	20	10/10*	271	163 687 113	163 687 133	
32	25	10/10*	481	163 687 114	163 687 134	
40	32	10/10*	759	163 687 115	163 687 135	
50	40	10/10*	1263	163 687 116	163 687 136	
63	50	10/10*	1728	163 687 117	163 687 137	

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	96	1/8	95	65	14	130	25	127	14	12	68	25	16	57	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	120	1/8	115	85	14	160	25	167	22	12	93	26	26	69	M6
40	150	1/4	140	100	18	180	45	196	26	15	101	36	26	88	M8
50	180	1/4	150	110	18	200	45	239	32	15	124	37	26	103	M8
63	180	1/4	165	125	18	230	45	251	39	15	137	37	26	103	M8

d [mm]	Lift = Hx [mm]	
20	7	
25	10	
32	13	
40	15	
50	19	
63	23	

Diaphragm valves new generation

Diaphragm valve type 514 PVC-C With solvent cement sockets ASTM



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

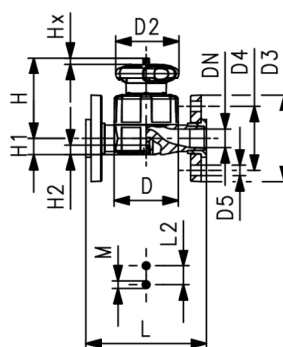
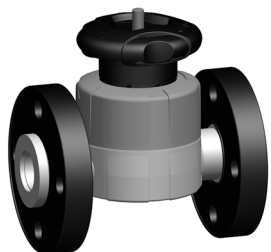
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	163 514 612	163 514 632
3/4	20	10	271	163 514 613	163 514 633
1	25	10	481	163 514 614	163 514 634
1 1/4	32	10	759	163 514 615	163 514 635
1 1/2	40	10	1263	163 514 616	163 514 636
2	50	10	1728	163 514 617	163 514 637

Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	65	65	43	141	25	73	14	12	M6	96	7
3/4	80	65	51	165	25	81	18	12	M6	114	10
1	88	87	58	179	25	107	22	12	M6	122	13
1 1/4	101	87	72	204	45	115	26	15	M8	140	15
1 1/2	117	135	83	230	45	148	32	15	M8	160	19
2	144	135	100	268	45	166	39	15	M8	190	25

Diaphragm valve type 517 PVC-C With backing flanges PP-V Inch ANSI



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759
- Flat sealing faces

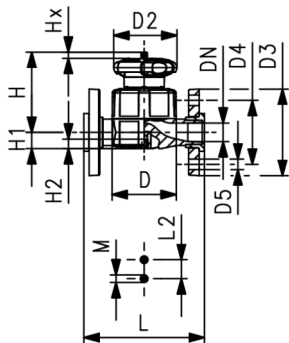
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	163 517 712	163 517 732
3/4	20	10	271	163 517 713	163 517 733
1	25	10	481	163 517 714	163 517 734
1 1/4	32	10	759	163 517 715	163 517 735
1 1/2	40	10	1263	163 517 716	163 517 736
2	50	10	1728	163 517 717	163 517 737

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
1/2	65	65	95	60	16	130	25	73	14	12	M6	7
3/4	80	65	105	70	16	150	25	81	18	12	M6	10
1	88	87	115	79	16	160	25	107	22	12	M6	13

table continued next page

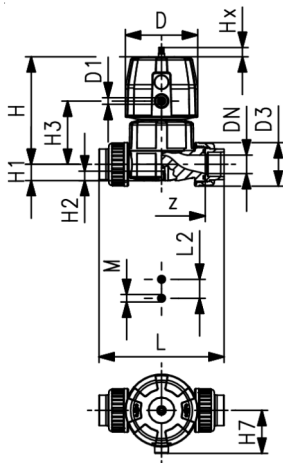


Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
1 ¼	101	87	140	89	16	180	45	115	26	15	M8	15	
1 ½	117	135	150	98	16	200	45	148	32	15	M8	19	
2	144	135	165	121	19	230	45	166	39	15	M8	25	

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six PVC-C FC (Fail safe to close) Unions with solvent cement sockets ASTM



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

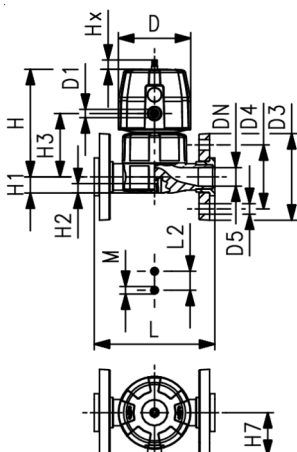
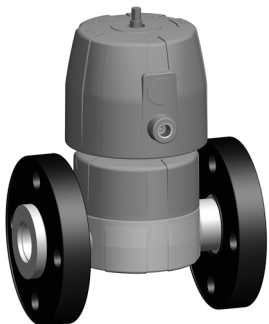
Option:

- Individual configuration of the valve (see diagram)

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
1/2	15	6	125	163 614 612	
3/4	20	6	271	163 614 613	
1	25	6	481	163 614 614	
1 1/4	32	6	759	163 614 615	
1 1/2	40	6	960	163 614 616	
2	50	6	1181	163 614 617	

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	68	1/8	141	25	101	14	12	60	43	M6	96	7	
3/4	96	1/8	165	25	132	18	12	73	57	M6	114	10	
1	96	1/8	179	25	143	22	12	84	57	M6	122	13	
1 1/4	120	1/8	204	45	173	26	15	99	69	M8	140	14	
1 1/2	120	1/8	230	45	193	32	15	119	69	M8	160	16	
2	120	1/8	268	45	205	39	15	132	69	M8	190	16	

Diaphragm valve DIASTAR Six PVC-C FC (Fail safe to close) With backing flanges PP-V Inch ANSI



Model:

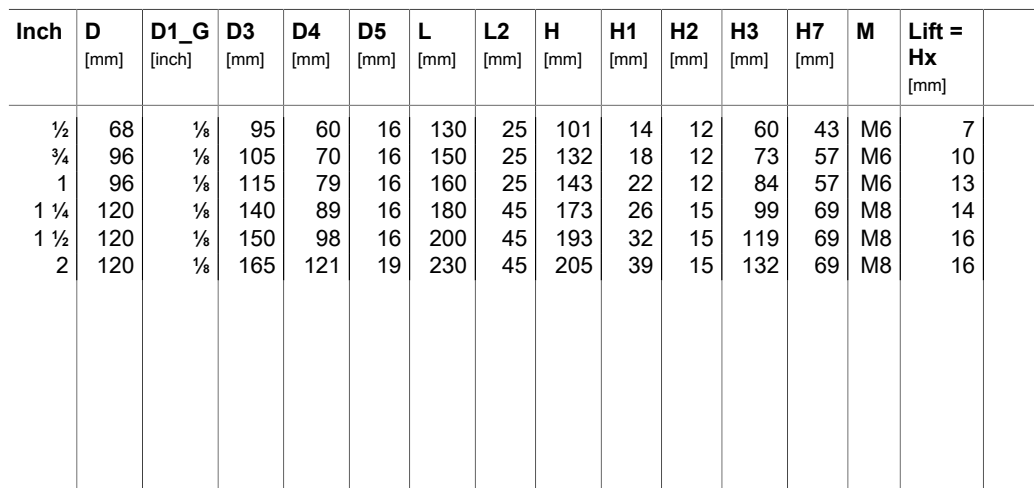
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
1/2	15	6	125	163 617 712	
3/4	20	6	271	163 617 713	
1	25	6	481	163 617 714	
1 1/4	32	6	759	163 617 715	
1 1/2	40	6	960	163 617 716	
2	50	6	1181	163 617 717	

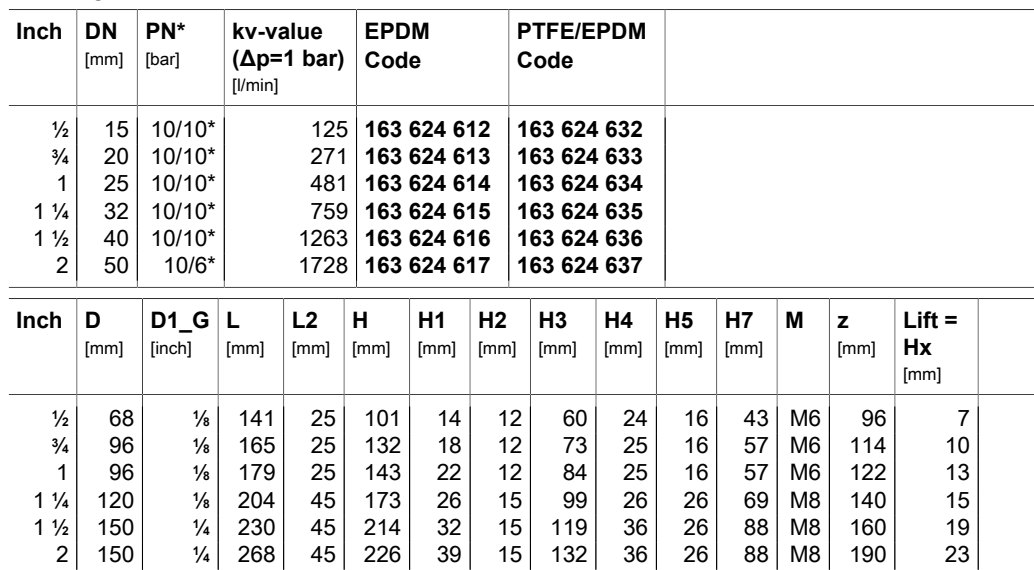
table continued next page

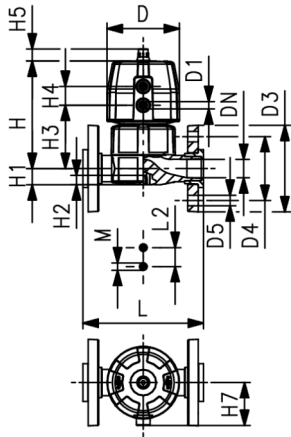
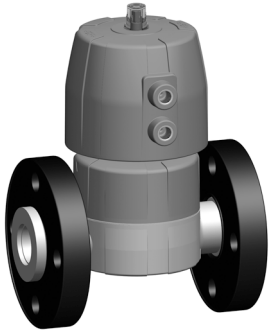


- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

Working Pressure: **one side**





Diaphragm valve DIASTAR Ten PVC-C FC (Fail safe to close) With backing flanges PP-V Inch ANSI

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	163 627 712	163 627 732
3/4	20	10/10*	271	163 627 713	163 627 733
1	25	10/10*	481	163 627 714	163 627 734
1 1/4	32	10/10*	759	163 627 715	163 627 735
1 1/2	40	10/10*	1263	163 627 716	163 627 736
2	50	10/6*	1728	163 627 717	163 627 737

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	60	16	130	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	1/8	115	79	16	160	25	143	22	12	84	25	16	57	M6
1 1/4	120	1/8	140	89	16	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	150	98	16	200	45	193	32	15	119	36	26	88	M8
2	150	1/4	165	121	19	230	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



Diaphragm valve DIASTAR Ten PVC-C FO (Fail safe to open) Unions with solvent cement sockets ASTM

Model:

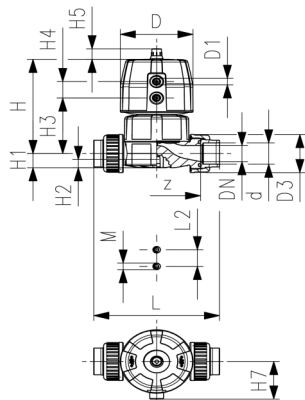
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

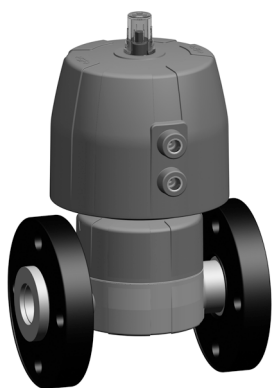
* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code									
1/2	15	10/5*	125	163 644 612	163 644 632									
3/4	20	10/6*	271	163 644 613	163 644 633									
1	25	10/6*	481	163 644 614	163 644 634									
1 1/4	32	10/6*	759	163 644 615	163 644 635									
1 1/2	40	10/6*	1263	163 644 616	163 644 636									
2	50	10/6*	1728	163 644 617	163 644 637									

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	68	1/8	141	25	101	14	12	60	24	16	43	M6	96	7
3/4	96	1/8	165	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	179	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	1/8	204	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	230	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	268	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-C FO (Fail safe to open) With backing flanges PP-V Inch ANSI

Model:

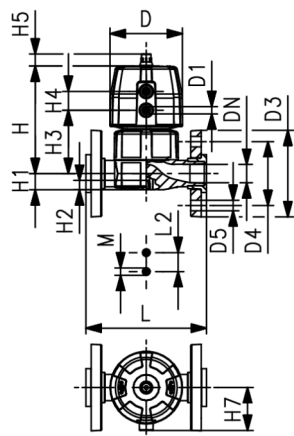
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

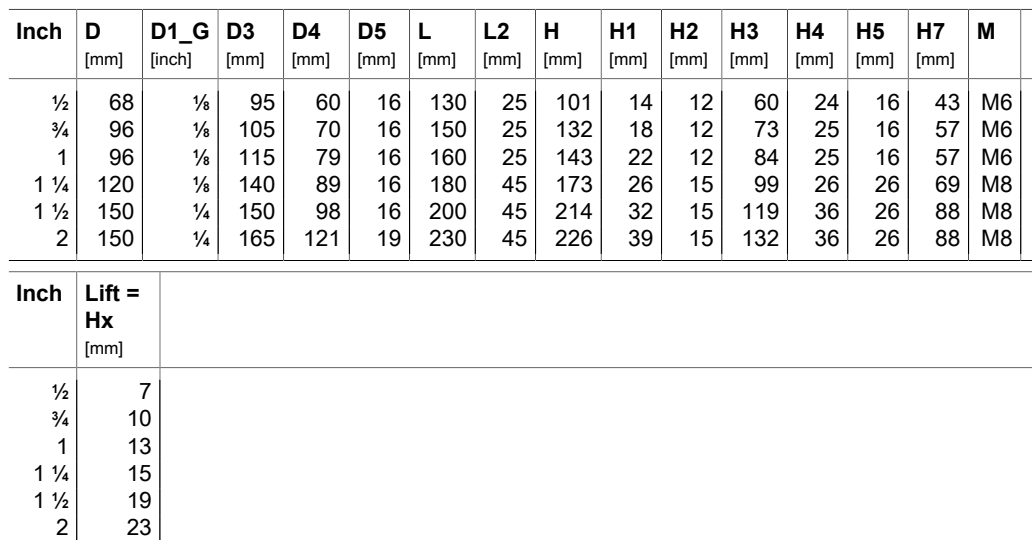
* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code									
1/2	15	10/10*	125	163 647 712	163 647 732									
3/4	20	10/10*	271	163 647 713	163 647 733									
1	25	10/10*	481	163 647 714	163 647 734									
1 1/4	32	10/10*	759	163 647 715	163 647 735									
1 1/2	40	10/10*	1263	163 647 716	163 647 736									
2	50	10/10*	1728	163 647 717	163 647 737									

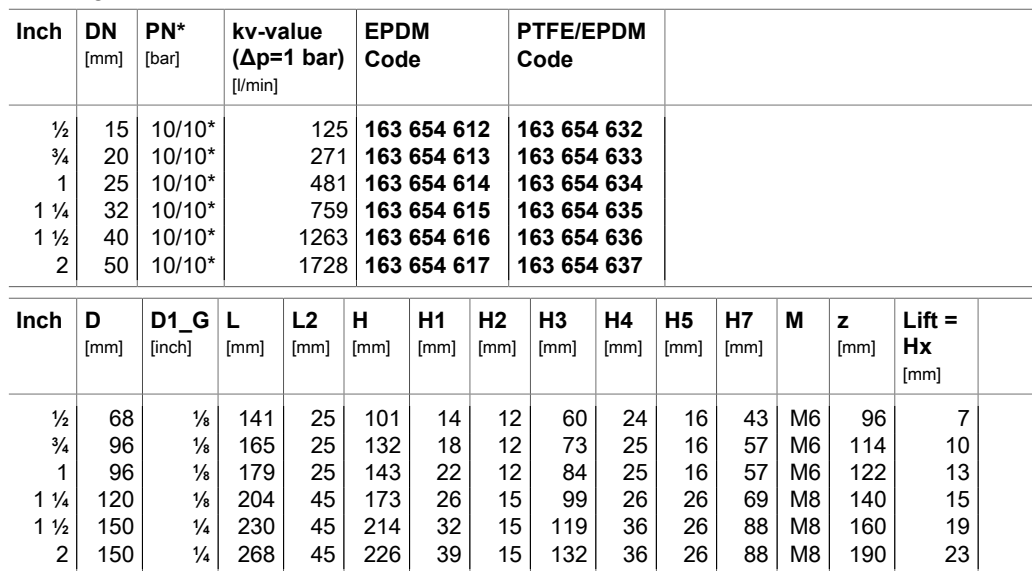
table continued next page

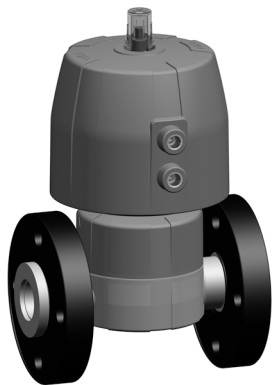


- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

Working Pressure: **one side**





Diaphragm valve DIASTAR Ten PVC-C DA (Double acting) With backing flanges PP-V Inch ANSI

Model:

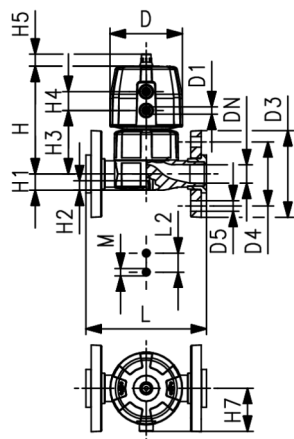
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

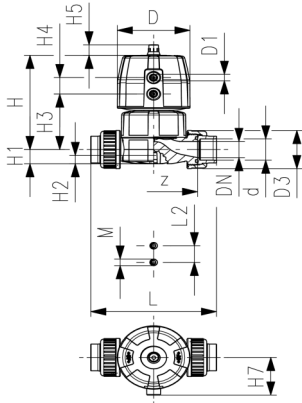
Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10/10*	125	163 657 712	163 657 732	
3/4	20	10/10*	271	163 657 713	163 657 733	
1	25	10/10*	481	163 657 714	163 657 734	
1 1/4	32	10/10*	759	163 657 715	163 657 735	
1 1/2	40	10/10*	1263	163 657 716	163 657 736	
2	50	10/10*	1728	163 657 717	163 657 737	

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	60	16	130	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	1/8	115	79	16	160	25	143	22	12	84	25	16	57	M6
1 1/4	120	1/8	140	89	16	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	150	98	16	200	45	214	32	15	119	36	26	88	M8
2	150	1/4	165	121	19	230	45	226	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]	
1/2	7	
3/4	10	
1	13	
1 1/4	15	
1 1/2	19	
2	23	



Diaphragm valve DIASTAR TenPlus PVC-C FC (Fail safe to close) Unions with solvent cement sockets ASTM

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

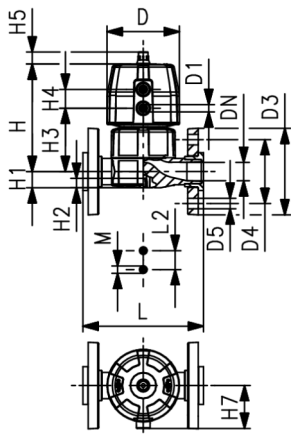
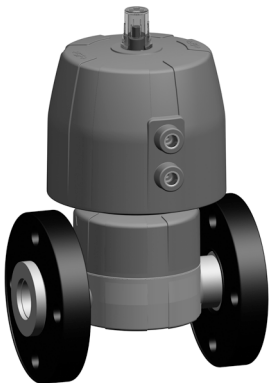
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**

Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10/10*	125	163 684 612	163 684 632	
3/4	20	10/10*	271	163 684 613	163 684 633	
1	25	10/10*	481	163 684 614	163 684 634	
1 1/4	32	10/10*	759	163 684 615	163 684 635	
1 1/2	40	10/10*	1263	163 684 616	163 684 636	
2	50	10/10*	1728	163 684 617	163 684 637	

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	96	1/8	141	25	127	14	12	68	25	16	57	M6	96	7
3/4	96	1/8	165	25	132	18	12	73	25	16	57	M6	114	10
1	120	1/8	179	25	167	22	12	93	26	26	69	M6	122	13
1 1/4	150	1/4	204	45	196	26	15	101	36	26	88	M8	140	15
1 1/2	180	1/4	230	45	239	32	15	124	37	26	103	M8	160	19
2	180	1/4	268	45	251	39	15	137	37	26	103	M8	190	23



Diaphragm valve DIASTAR TenPlus PVC-C FC (Fail safe to close) With backing flanges PP-V Inch ANSI

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

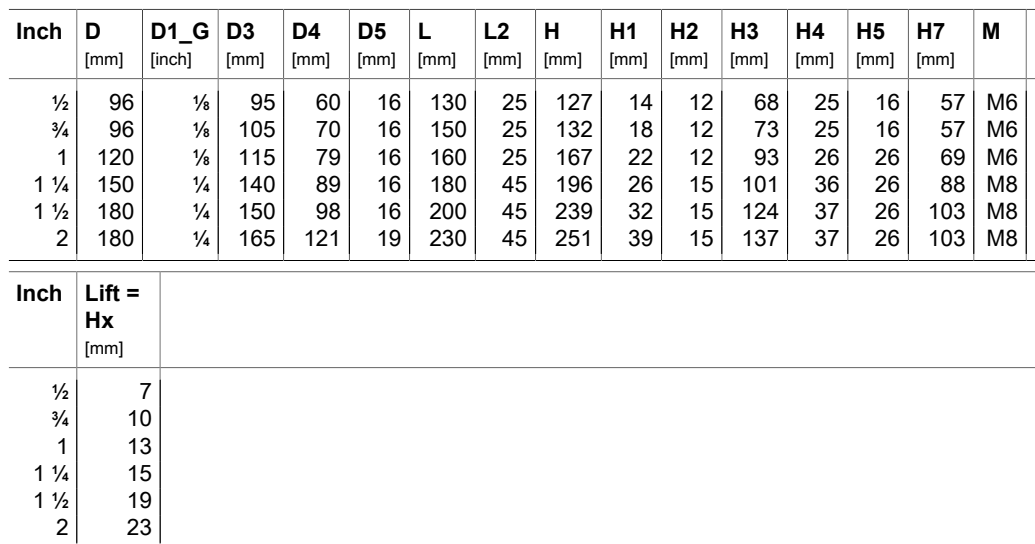
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**

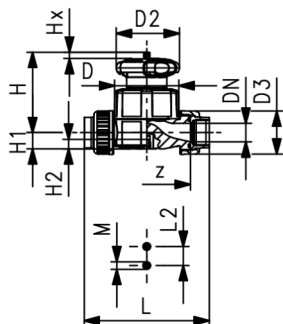
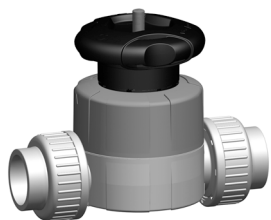
Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10/10*	125	163 687 712	163 687 732	
3/4	20	10/10*	271	163 687 713	163 687 733	
1	25	10/10*	481	163 687 714	163 687 734	
1 1/4	32	10/10*	759	163 687 715	163 687 735	
1 1/2	40	10/10*	1263	163 687 716	163 687 736	
2	50	10/10*	1728	163 687 717	163 687 737	

table continued next page



Diaphragm valves new generation

Diaphragm valve type 514 PVC-C SF With solvent cement sockets ASTM



Model:

- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

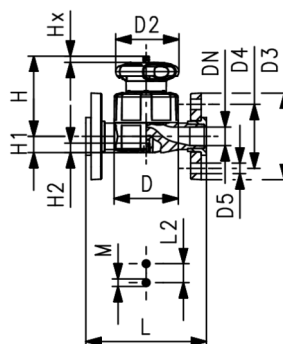
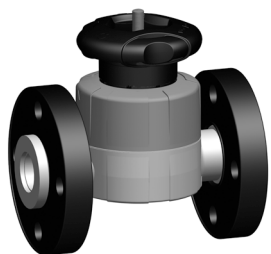
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	163 514 622	163 514 672
3/4	20	10	271	163 514 623	163 514 673
1	25	10	481	163 514 624	163 514 674
1 1/4	32	10	759	163 514 625	163 514 675
1 1/2	40	10	1263	163 514 626	163 514 676
2	50	10	1728	163 514 627	163 514 677

Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	65	65	43	141	25	73	14	12	M6	96	7
3/4	80	65	51	165	25	81	18	12	M6	114	10
1	88	87	58	179	25	107	22	12	M6	122	13
1 1/4	101	87	72	204	45	115	26	15	M8	140	15
1 1/2	117	135	83	230	45	148	32	15	M8	160	19
2	144	135	100	268	45	166	39	15	M8	190	25

Diaphragm valve type 517 PVC-C SF With backing flanges PP-V Inch ANSI



Model:

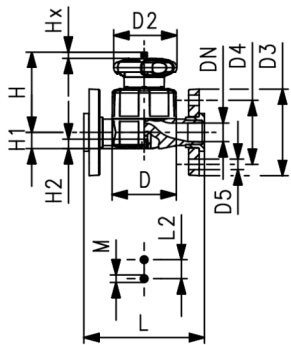
- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759
- Flat sealing faces

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	163 517 722	163 517 772
3/4	20	10	271	163 517 723	163 517 773
1	25	10	481	163 517 724	163 517 774
1 1/4	32	10	759	163 517 725	163 517 775
1 1/2	40	10	1263	163 517 726	163 517 776
2	50	10	1728	163 517 727	163 517 777

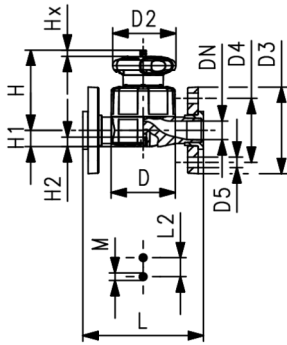
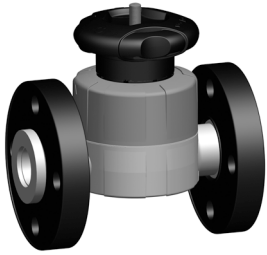
table continued next page



Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
½	65	65	95	60	16	130	25	73	14	12	M6	7	
¾	80	65	105	70	16	150	25	81	18	12	M6	10	
1	88	87	115	79	16	160	25	107	22	12	M6	13	
1 ¼	101	87	140	89	16	180	45	115	26	15	M8	15	
1 ½	117	135	150	98	16	200	45	148	32	15	M8	19	
2	144	135	165	121	19	230	45	166	39	15	M8	25	

Diaphragm valves new generation

Diaphragm valve type 517 PVC-C With backing flanges PP-V JIS



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

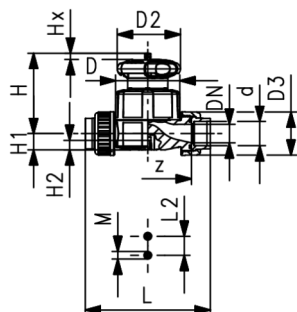
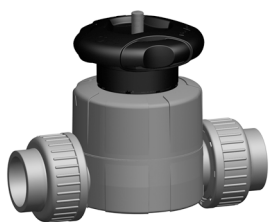
- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	163 517 812	163 517 832
3/4	20	10	271	163 517 813	163 517 833
1	25	10	481	163 517 814	163 517 834
1 1/4	32	10	759	163 517 815	163 517 835
1 1/2	40	10	1263	163 517 816	163 517 836
2	50	10	1728	163 517 817	163 517 837

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
1/2	65	65	95	70	15	130	25	73	14	12	M6	7
3/4	80	65	100	75	15	150	25	81	18	12	M6	10
1	88	87	125	90	19	160	25	107	22	12	M6	13
1 1/4	101	87	135	100	19	180	45	115	26	15	M8	15
1 1/2	117	135	140	105	19	200	45	148	32	15	M8	19
2	144	135	155	120	19	230	45	166	39	15	M8	25

Diaphragm valves new generation

Diaphragm valve type 514 ABS With solvent cement sockets metric



Model:

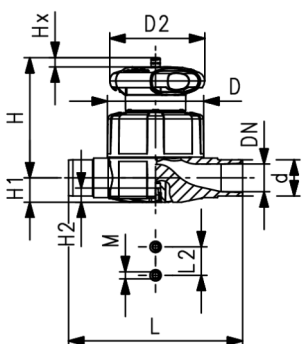
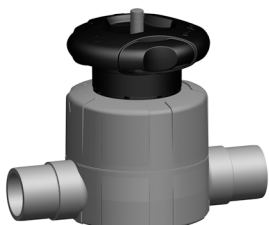
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	169 514 012	169 514 032
25	20	10	271	169 514 013	169 514 033
32	25	10	481	169 514 014	169 514 034
40	32	10	759	169 514 015	169 514 035
50	40	10	1263	169 514 016	169 514 036
63	50	10	1728	169 514 017	169 514 037

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
20	65	65	43	128	25	73	14	12	M6	96	7
25	80	65	51	152	25	81	18	12	M6	114	10
32	88	87	58	166	25	107	22	12	M6	122	13
40	101	87	72	192	45	115	26	15	M8	140	15
50	117	135	83	222	45	148	32	15	M8	160	19
63	144	135	100	266	45	166	39	15	M8	190	25



Diaphragm valve type 515 ABS With solvent cement spigots metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

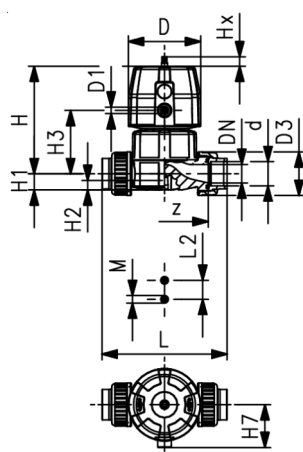
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	169 515 012	169 515 032
25	20	10	271	169 515 013	169 515 033
32	25	10	481	169 515 014	169 515 034
40	32	10	759	169 515 015	169 515 035
50	40	10	1263	169 515 016	169 515 036
63	50	10	1728	169 515 017	169 515 037

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
20	65	65	124	25	73	14	12	M6	7
25	80	65	144	25	81	18	12	M6	10
32	88	87	154	25	107	22	12	M6	13
40	101	87	174	45	115	26	15	M8	15
50	117	135	194	45	148	32	15	M8	19
63	144	135	224	45	166	39	15	M8	25

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six ABS FC (Fail safe to close) Unions with solvent cement sockets metric



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

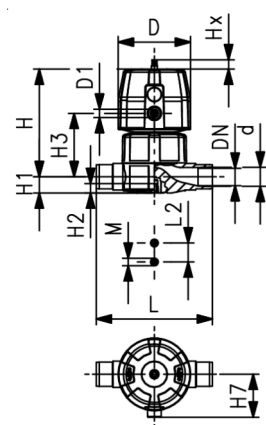
Option:

- Individual configuration of the valve (see diagram)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
20	15	6	125	169 614 012	
25	20	6	271	169 614 013	
32	25	6	481	169 614 014	
40	32	6	759	169 614 015	
50	40	6	960	169 614 016	
63	50	6	1181	169 614 017	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
20	68	1/8	128	25	101	14	12	60	43	M6	96	7	
25	96	1/8	152	25	132	18	12	73	57	M6	114	10	
32	96	1/8	166	25	143	22	12	84	57	M6	122	13	
40	120	1/8	192	45	173	26	15	99	69	M8	140	14	
50	120	1/8	222	45	193	32	15	119	69	M8	160	16	
63	120	1/8	266	45	205	39	15	132	69	M8	190	16	

Diaphragm valve DIASTAR Six ABS FC (Fail safe to close) With solvent cement spigots metric



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

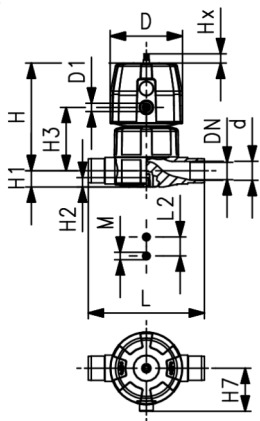
Option:

- Individual configuration of the valve (see diagram)

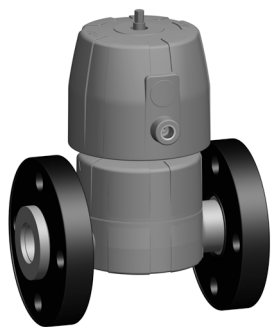
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
20	15	6	125	169 615 012	
25	20	6	271	169 615 013	
32	25	6	481	169 615 014	
40	32	6	759	169 615 015	
50	40	6	960	169 615 016	
63	50	6	1181	169 615 017	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	68	1/8	124	25	101	14	12	60	43	M6	7	
25	96	1/8	144	25	132	18	12	73	57	M6	10	
32	96	1/8	154	25	143	22	12	84	57	M6	13	

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
40	120	1/8	174	45	173	26	15	99	69	M8	14	
50	120	1/8	194	45	193	32	15	119	69	M8	16	
63	120	1/8	224	45	205	39	15	132	69	M8	16	



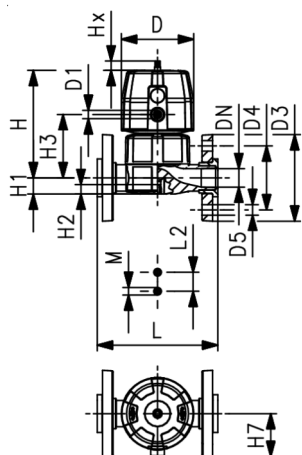
Diaphragm valve DIASTAR Six ABS FC (Fail safe to close) With backing flanges PP-V metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	
20	15	6	125	169 617 112	
25	20	6	271	169 617 113	
32	25	6	481	169 617 114	
40	32	6	759	169 617 115	
50	40	6	960	169 617 116	
63	50	6	1181	169 617 117	

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	68	1/8	95	65	14	130	25	101	14	12	60	43	M6	7	
25	96	1/8	105	75	14	150	25	132	18	12	73	57	M6	10	
32	96	1/8	115	85	14	160	25	143	22	12	84	57	M6	13	
40	120	1/8	140	100	18	180	45	173	26	15	99	69	M8	14	
50	120	1/8	150	110	18	200	45	193	32	15	119	69	M8	16	
63	120	1/8	165	125	18	230	45	205	39	15	132	69	M8	16	



Diaphragm valve DIASTAR Ten ABS FC (Fail safe to close) Unions with solvent cement sockets metric

Model:

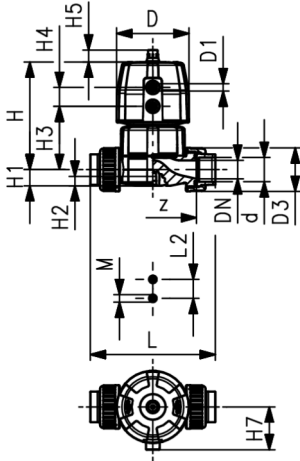
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

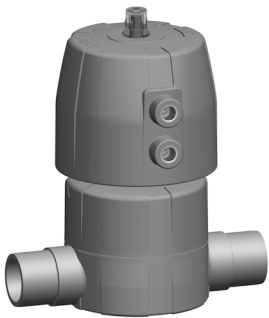
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code										
20	15	10/10*	125	169 624 012										
25	20	10/10*	271	169 624 013										
32	25	10/10*	481	169 624 014										
40	32	10/10*	759	169 624 015										
50	40	10/10*	1263	169 624 016										
63	50	10/10*	1728	169 624 017										

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten ABS FC (Fail safe to close) With solvent cement spigots metric

Model:

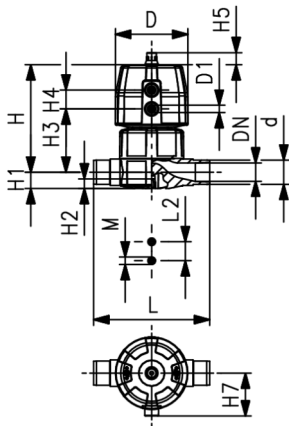
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

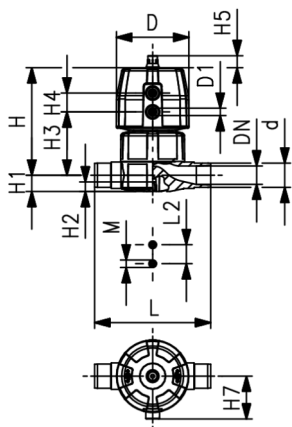
* PN: PTFE

Working Pressure: **one side**

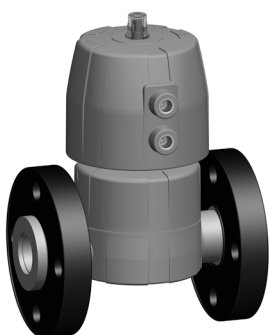


d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code										
20	15	10/10*	125	169 625 012										
25	20	10/10*	271	169 625 013										
32	25	10/10*	481	169 625 014										
40	32	10/10*	759	169 625 015										
50	40	10/10*	1263	169 625 016										
63	50	10/10*	1728	169 625 017										

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	



Diaphragm valve DIASTAR Ten ABS FC (Fail safe to close) With backing flanges PP-V metric/BS

Model:

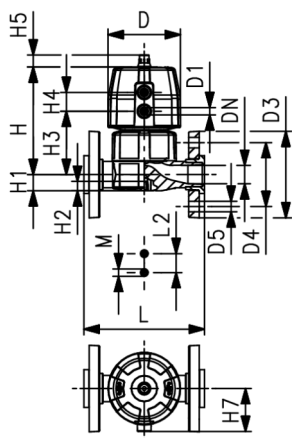
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	
20	15	10/10*	125	169 627 112	
25	20	10/10*	271	169 627 113	
32	25	10/10*	481	169 627 114	
40	32	10/10*	759	169 627 115	
50	40	10/10*	1263	169 627 116	
63	50	10/10*	1728	169 627 117	

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	57	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	193	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	205	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]	
20	7	
25	10	
32	13	
40	15	
50	19	
63	23	



Diaphragm valve DIASTAR Ten ABS FO (Fail safe to open) Unions with solvent cement sockets metric

Model:

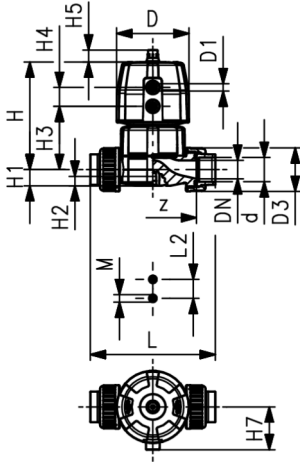
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	10/10*	125	169 644 012
25	20	10/10*	271	169 644 013
32	25	10/10*	481	169 644 014
40	32	10/10*	759	169 644 015
50	40	10/10*	1263	169 644 016
63	50	10/10*	1728	169 644 017

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten ABS FO (Fail safe to open) With solvent cement spigots metric

Model:

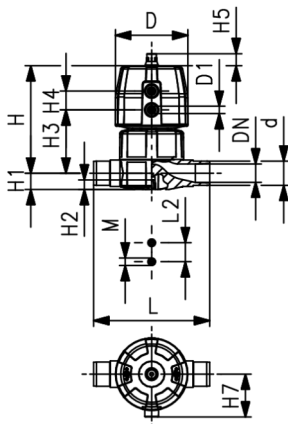
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

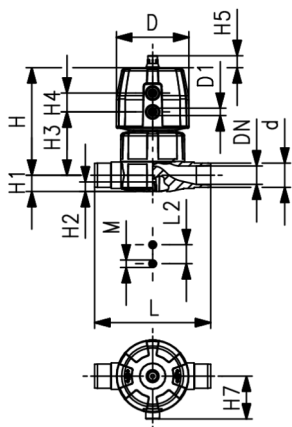
* PN: PTFE

Working Pressure: **one side**

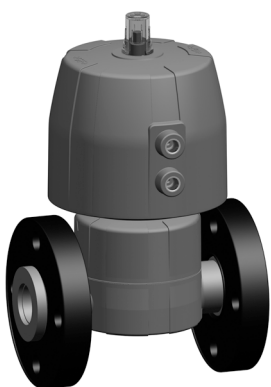


d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	10/10*	125	169 645 012
25	20	10/10*	271	169 645 013
32	25	10/10*	481	169 645 014
40	32	10/10*	759	169 645 015
50	40	10/10*	1263	169 645 016
63	50	10/10*	1728	169 645 017

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



Diaphragm valve DIASTAR Ten ABS FO (Fail safe to open) With backing flanges PP-V metric/BS

Model:

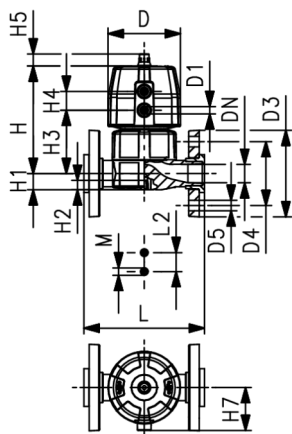
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code
20	15	10/10*	125	169 647 112
25	20	10/10*	271	169 647 113
32	25	10/10*	481	169 647 114
40	32	10/10*	759	169 647 115
50	40	10/10*	1263	169 647 116
63	50	10/10*	1728	169 647 117

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	57	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	214	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	226	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



Diaphragm valve DIASTAR Ten ABS DA (Double acting) Unions with solvent cement sockets metric

Model:

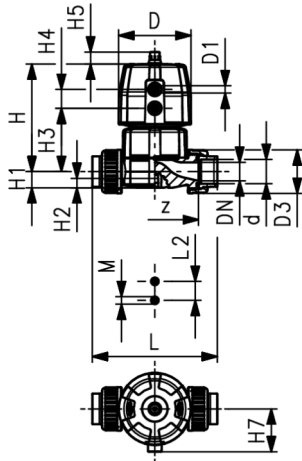
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code										
20	15	10/10*	125	169 654 012										
25	20	10/10*	271	169 654 013										
32	25	10/10*	481	169 654 014										
40	32	10/10*	759	169 654 015										
50	40	10/10*	1263	169 654 016										
63	50	10/10*	1728	169 654 017										

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten ABS DA (Double acting) With solvent cement spigots metric

Model:

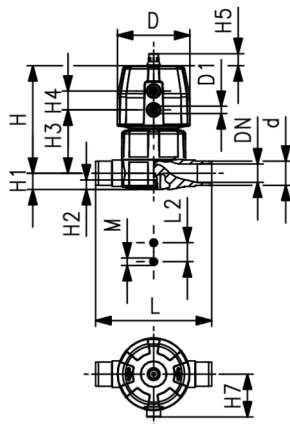
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

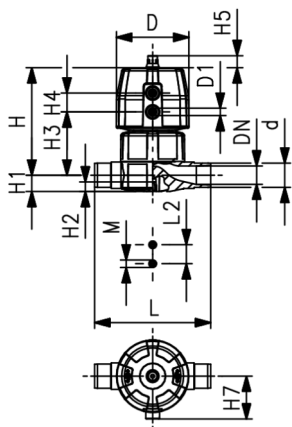
* PN: PTFE

Working Pressure: **one side**

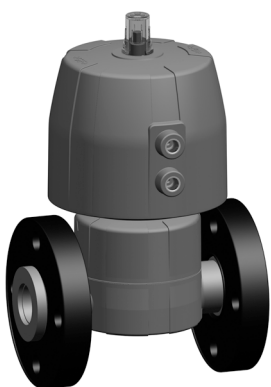


d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code										
20	15	10/10*	125	169 655 012										
25	20	10/10*	271	169 655 013										
32	25	10/10*	481	169 655 014										
40	32	10/10*	759	169 655 015										
50	40	10/10*	1263	169 655 016										
63	50	10/10*	1728	169 655 017										

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	



Diaphragm valve DIASTAR Ten ABS DA (Double acting) With backing flanges PP-V metric/BS

Model:

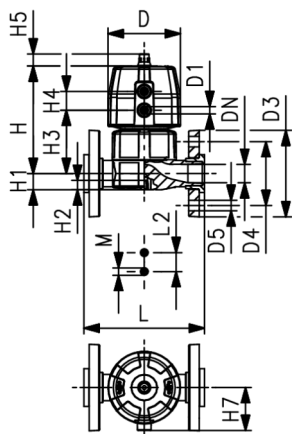
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	
20	15	10/10*	125	169 657 112	
25	20	10/10*	271	169 657 113	
32	25	10/10*	481	169 657 114	
40	32	10/10*	759	169 657 115	
50	40	10/10*	1263	169 657 116	
63	50	10/10*	1728	169 657 117	

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	57	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	214	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	226	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]	
20	7	
25	10	
32	13	
40	15	
50	19	
63	23	



Diaphragm valve DIASTAR TenPlus ABS FC (Fail safe to close) Unions with solvent cement sockets metric

Model:

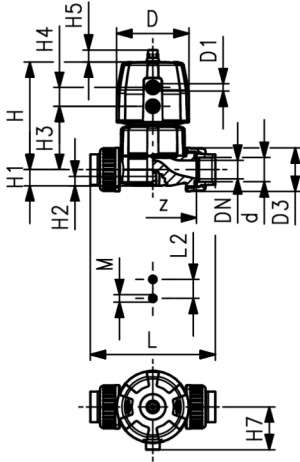
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
20	15	10/10*	125	169 684 012	
25	20	10/10*	271	169 684 013	
32	25	10/10*	481	169 684 014	
40	32	10/10*	759	169 684 015	
50	40	10/10*	1263	169 684 016	
63	50	10/10*	1728	169 684 017	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
20	96	1/8	128	25	127	14	12	68	25	16	57	M6	96	7	
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10	
32	120	1/8	166	25	167	22	12	93	26	26	69	M6	122	13	
40	150	1/4	192	45	196	26	15	101	36	26	88	M8	140	15	
50	180	1/4	222	45	239	32	15	124	37	26	103	M8	160	19	
63	180	1/4	266	45	251	39	15	137	37	26	103	M8	190	23	



Diaphragm valve DIASTAR TenPlus ABS FC (Fail safe to close) With solvent cement spigots metric

Model:

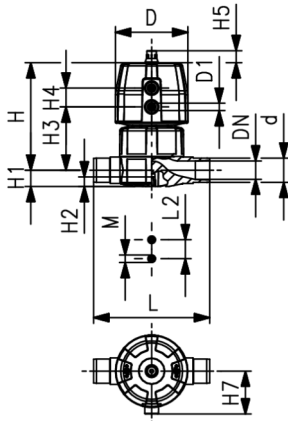
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

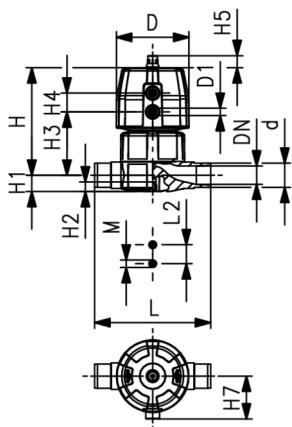
* PN: PTFE

Working Pressure: **both sides**

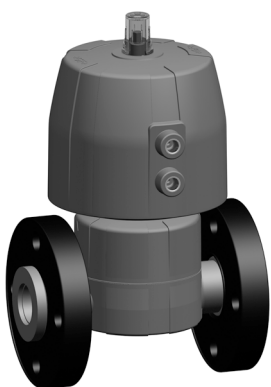


d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
20	15	10/10*	125	169 685 012	
25	20	10/10*	271	169 685 013	
32	25	10/10*	481	169 685 014	
40	32	10/10*	759	169 685 015	
50	40	10/10*	1263	169 685 016	
63	50	10/10*	1728	169 685 017	

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23



Diaphragm valve DIASTAR TenPlus ABS FC (Fail safe to close) With backing flanges PP-V metric/BS

Model:

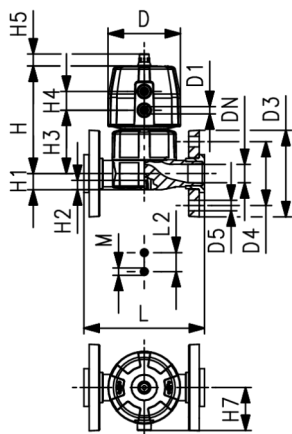
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



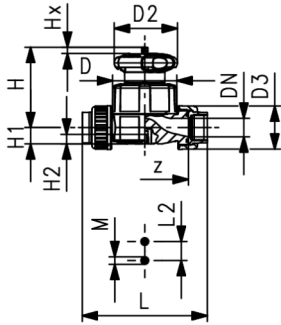
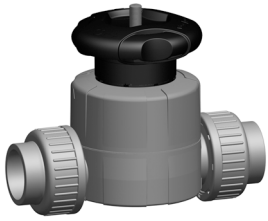
d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code
20	15	10/10*	125	169 687 112
25	20	10/10*	271	169 687 113
32	25	10/10*	481	169 687 114
40	32	10/10*	759	169 687 115
50	40	10/10*	1263	169 687 116
63	50	10/10*	1728	169 687 117

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	96	1/8	95	65	14	130	25	127	14	12	68	25	16	57	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	120	1/8	115	85	14	160	25	167	22	12	93	26	26	69	M6
40	150	1/4	140	100	18	180	45	196	26	15	101	36	26	88	M8
50	180	1/4	150	110	18	200	45	239	32	15	124	37	26	103	M8
63	180	1/4	165	125	18	230	45	251	39	15	137	37	26	103	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23

Diaphragm valves new generation

Diaphragm valve type 514 ABS With solvent cement sockets BS



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	169 514 512	169 514 532
3/4	20	10	271	169 514 513	169 514 533
1	25	10	481	169 514 514	169 514 534
1 1/4	32	10	759	169 514 515	169 514 535
1 1/2	40	10	1263	169 514 516	169 514 536
2	50	10	1728	169 514 517	169 514 537

Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	65	65	43	128	25	73	14	12	M6	96	7
3/4	80	65	51	152	25	81	18	12	M6	114	10
1	88	87	58	166	25	107	22	12	M6	122	13
1 1/4	101	87	72	192	45	115	26	15	M8	140	15
1 1/2	117	135	83	222	45	148	32	15	M8	160	19
2	144	135	100	266	45	166	39	15	M8	190	25

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six ABS FC (Fail safe to close)

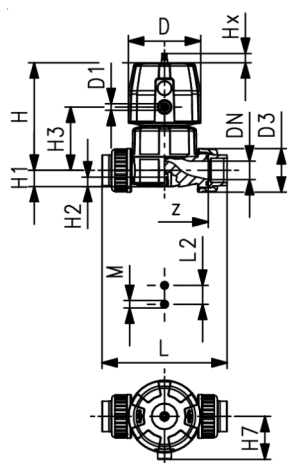
Unions with solvent cement sockets BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)



Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
1/2	15	6	125	169 614 512	
3/4	20	6	271	169 614 513	
1	25	6	481	169 614 514	
1 1/4	32	6	759	169 614 515	
1 1/2	40	6	960	169 614 516	
2	50	6	1181	169 614 517	

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	68	1/8	128	25	101	14	12	60	43	M6	96	7	
3/4	96	1/8	152	25	132	18	12	73	57	M6	114	10	
1	96	1/8	166	25	143	22	12	84	57	M6	122	13	
1 1/4	120	1/8	192	45	173	26	15	99	69	M8	140	14	
1 1/2	120	1/8	222	45	193	32	15	119	69	M8	160	16	
2	120	1/8	266	45	205	39	15	132	69	M8	190	16	

Diaphragm valve DIASTAR Ten ABS FC (Fail safe to close)

Unions with solvent cement sockets BS

Model:

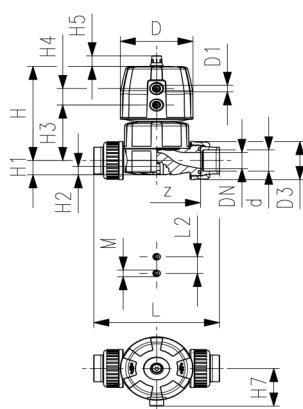
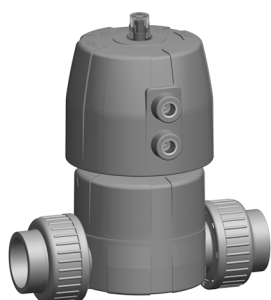
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

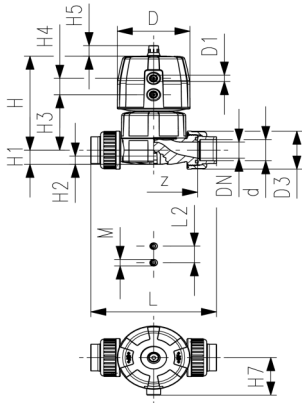
* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN*	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
1/2	15	10/10*	125	169 624 512	
3/4	20	10/10*	271	169 624 513	
1	25	10/10*	481	169 624 514	
1 1/4	32	10/10*	759	169 624 515	
1 1/2	40	10/10*	1263	169 624 516	
2	50	10/10*	1728	169 624 517	

table continued next page



Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
½	68	⅝	128	25	101	14	12	60	24	16	43	M6	96	7
¾	96	⅝	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	⅝	166	25	143	22	12	84	25	16	57	M6	122	13
1 ¼	120	⅝	192	45	173	26	15	99	26	26	69	M8	140	15
1 ½	150	¾	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	¾	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten ABS FO (Fail safe to open) Unions with solvent cement sockets BS

Model:

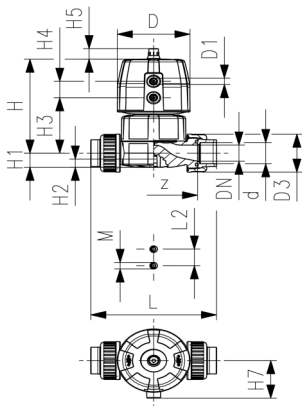
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code
½	15	10/10*	125	169 644 512
¾	20	10/10*	271	169 644 513
1	25	10/10*	481	169 644 514
1 ¼	32	10/10*	759	169 644 515
1 ½	40	10/10*	1263	169 644 516
2	50	10/10*	1728	169 644 517

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
½	68	⅝	128	25	101	14	12	60	24	16	43	M6	96	7
¾	96	⅝	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	⅝	166	25	143	22	12	84	25	16	57	M6	122	13
1 ¼	120	⅝	192	45	173	26	15	99	26	26	69	M8	140	15
1 ½	150	¾	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	¾	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten ABS DA (Double acting) Unions with solvent cement sockets BS

Model:

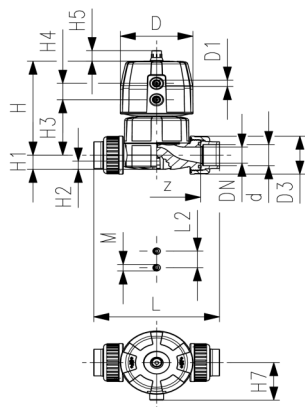
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
½	15	10/10*	125	169 654 512
¾	20	10/10*	271	169 654 513
1	25	10/10*	481	169 654 514
1 ¼	32	10/10*	759	169 654 515
1 ½	40	10/10*	1263	169 654 516
2	50	10/10*	1728	169 654 517

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
½	68	⅝	128	25	101	14	12	60	24	16	43	M6	96	7
¾	96	⅝	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	⅝	166	25	143	22	12	84	25	16	57	M6	122	13
1 ¼	120	⅝	192	45	173	26	15	99	26	26	69	M8	140	15
1 ½	150	¾	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	¾	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR TenPlus ABS FC (Fail safe to close) Unions with solvent cement sockets BS

Model:

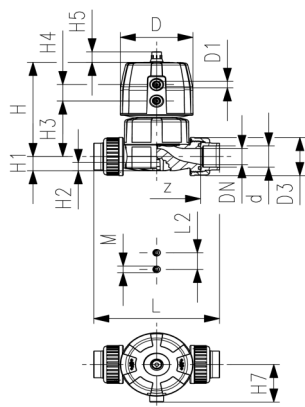
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

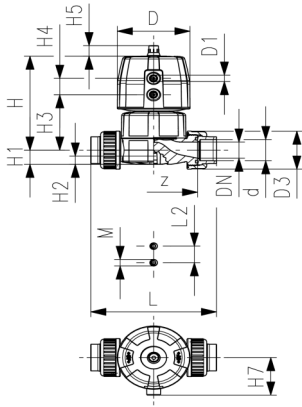
* PN: PTFE

Working Pressure: **both sides**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
½	15	10/10*	125	169 684 512
¾	20	10/10*	271	169 684 513
1	25	10/10*	481	169 684 514
1 ¼	32	10/10*	759	169 684 515
1 ½	40	10/10*	1263	169 684 516
2	50	10/10*	1728	169 684 517

table continued next page



Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	96	1/8	128	25	127	14	12	68	25	16	57	M6	96	7	
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10	
1	120	1/8	166	25	167	22	12	93	26	26	69	M6	122	13	
1 1/4	150	1/4	192	45	196	26	15	101	36	26	88	M8	140	15	
1 1/2	180	1/4	222	45	239	32	15	124	37	26	103	M8	160	19	
2	180	1/4	266	45	251	39	15	137	37	26	103	M8	190	23	

Copiable Configurator +GF+ Diaphragm Valve

Valve body type

- A20 Type 514 - True Union Design
- A21 Type 515 - Spigots
- A22 Type 517 - Flanges
- A23 Type 519 - Branched type

Material

- B05 PP-H
- B06 PP-n
- B15 PVDF
- B16 PVDF HP

Dimension - 2/2 valve (type 514...517)

- C06 DN 15 1/2"
- C07 DN 20 3/4"
- C08 DN 25 1"
- C09 DN 32 1 1/4"
- C10 DN 40 1 1/2"
- C11 DN 50 2"

Dimension - branched type (type 519)

- C50 DN15-15
- C51 DN20-15
- C52 DN20-20
- C53 DN25-15
- C54 DN25-20
- C55 DN25-25
- C56 DN32-15
- C57 DN32-20
- C58 DN32-25
- C59 DN32-32
- C60 DN40-15
- C61 DN40-20
- C62 DN40-25
- C63 DN40-32
- C64 DN40-40
- C65 DN50-15
- C66 DN50-20
- C67 DN50-25
- C68 DN50-32
- C69 DN50-40
- C70 DN50-50
- C71 DN65-32
- C72 DN65-40
- C73 DN65-50
- C74 DN80-15
- C75 DN80-20
- C76 DN80-25
- C77 DN80-40
- C78 DN80-50
- C79 DN100-15
- C80 DN100-20
- C81 DN100-25
- C82 DN100-40
- C83 DN100-50

Version

- D11 standard
- D05 silicone free / oil free

Diaphragm

- E01 EPDM
- E02 FPM
- E11 NBR
- E12 PTFE/EPDM
- E04 PTFE/FPM



Example:

Diastar Sixteen FC with PP-H valve body type 514 and PE butt fusion spigots, FPM diaphragm, DN25

Connecting parts

- H30 PP-H Fusion socket metric
- H32 PP-H Socket fusion spigot metric
- H35 PP-H Butt fusion spigot SDR11 metric IR-PLUS
- H40 PE-80 Fusion socket metric
- H41 PE-100 Butt fusion spigot SDR11 metric
- H43 PE-100 Butt fusion spigot long SDR11 metric
- H46 PP-n Butt fusion spigot SDR11 metric
- H50 PVDF Fusion socket metric
- H51 PVDF Socket fusion spigot metric
- H52 PVDF Butt fusion spigot SDR11 metric IR-PLUS
- H64 Fixed flange PVDF metric
- H65 Fixed flange PP-H JIS
- H66 Fixed flange PVDF JIS
- H72 PPH Backing flange PP-steel metric with PP-H endings
- H72 PVDF Backing flange PP-steel metric with PVDF endings
- H73 PPH Backing flange PP-steel Zoll ANSI with PP-H endings
- H73 PVDF Backing flange PP-steel Zoll ANSI with PVDF endings
- H74 PPH Backing flange PP-V metric with PP-H endings
- H74 PVDF Backing flange PP-V metric with PVDF endings
- H75 PPH Backing flange PP-V ANSI with PP-H endings
- H75 PVDF Backing flange PP-V ANSI with PVDF endings
- H76 Backing flange PP-GF JIS with PVDF endings
- H77 Backing flange PP-GF JIS with PP-H endings
- H85 PVDF valve end blank
- H86 PVDF-HP sterilisation port

Electrical feedback

- I33 Electrical feedback with Ag, Ni limit switches
- I34 Electrical feedback with Au limit switches

Manual actuated: pressure tight housing

- K30 Bonnet pressure tight
- K31 Bonnet not pressure tight

Pressure range

- M01 PN10
- M02 PN16

Pneumatic actuator DIASTAR

- P40 DIASTAR Six FC fail safe to close
- P43 DIASTAR Ten FC fail safe to close
- P44 DIASTAR Sixteen FC fail safe to close
- P45 DIASTAR Sixteen FO fail safe to open
- P46 DIASTAR Sixteen DA double acting
- P47 DIASTAR Ten FO fail safe to open
- P48 DIASTAR Ten DA double acting

A20 B05 C08 D11 E02

H43 I K M P44 =

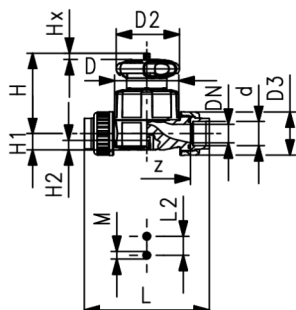
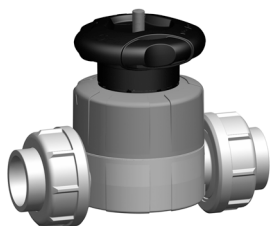


Diaphragm valves new generation

PROGEF Standard

Diaphragm valve type 514

With fusion sockets metric



Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

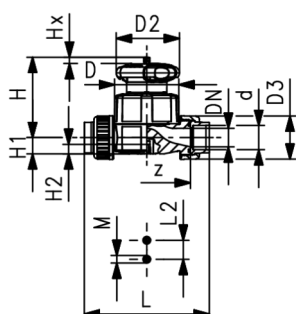
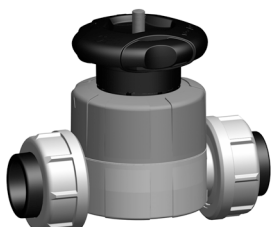
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code
20	15	10	125	167 514 002	167 514 012	167 514 032	167 514 062
25	20	10	271	167 514 003	167 514 013	167 514 033	167 514 063
32	25	10	481	167 514 004	167 514 014	167 514 034	167 514 064
40	32	10	759	167 514 005	167 514 015	167 514 035	167 514 065
50	40	10	1263	167 514 006	167 514 016	167 514 036	167 514 066
63	50	10	1728	167 514 007	167 514 017	167 514 037	167 514 067

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
20	65	65	48	128	25	73	14	12	M6	100	7
25	80	65	58	150	25	81	18	12	M6	118	10
32	88	87	65	162	25	107	22	12	M6	126	13
40	101	87	79	184	45	115	26	15	M8	144	15
50	117	135	91	210	45	148	32	15	M8	164	19
63	144	135	111	248	45	166	39	15	M8	194	25

PROGEF Standard

Diaphragm valve type 514

With fusion sockets PE80 metric



Model:

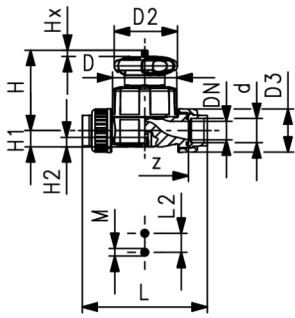
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

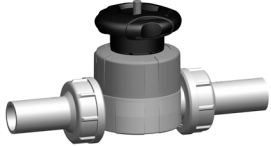
- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	167 514 212	167 514 232
25	20	10	271	167 514 213	167 514 233
32	25	10	481	167 514 214	167 514 234
40	32	10	759	167 514 215	167 514 235
50	40	10	1263	167 514 216	167 514 236
63	50	10	1728	167 514 217	167 514 237

table continued next page



d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
20	65	65	48	128	25	73	14	12	M6	100	7	
25	80	65	58	150	25	81	18	12	M6	118	10	
32	88	87	65	162	25	107	22	12	M6	126	13	
40	101	87	79	184	45	115	26	15	M8	144	15	
50	117	135	91	210	45	148	32	15	M8	164	19	
63	144	135	111	248	45	166	39	15	M8	194	25	



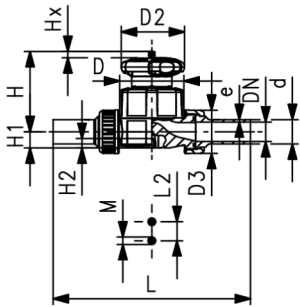
PROGEF Standard Diaphragm valve type 514 With butt fusion spigots SDR11 metric

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

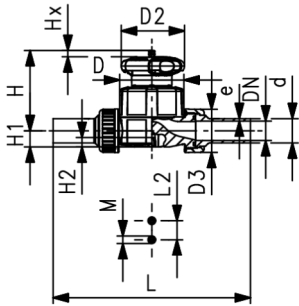
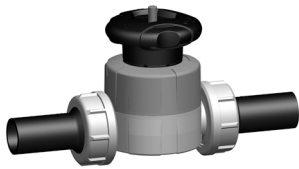
- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code	
20	15	10	125	167 514 102	167 514 112	167 514 132	167 514 162	
25	20	10	271	167 514 103	167 514 113	167 514 133	167 514 163	
32	25	10	481	167 514 104	167 514 114	167 514 134	167 514 164	
40	32	10	759	167 514 105	167 514 115	167 514 135	167 514 165	
50	40	10	1263	167 514 106	167 514 116	167 514 136	167 514 166	
63	50	10	1728	167 514 107	167 514 117	167 514 137	167 514 167	

d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	PTFE/FPM Code	
20	15	10	125	800 047 314	
25	20	10	271	800 047 316	
32	25	10	481	800 047 317	
40	32	10	759	800 047 318	
50	40	10	1263	800 047 319	
63	50	10	1728	800 047 320	

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	48	196	25	73	14	12	M6	7	1.9	
25	80	65	58	221	25	81	18	12	M6	10	2.3	
32	88	87	65	234	25	107	22	12	M6	13	2.9	
40	101	87	79	260	45	115	26	15	M8	15	3.7	
50	117	135	91	284	45	148	32	15	M8	19	4.6	
63	144	135	111	321	45	166	39	15	M8	25	5.8	



PROGEF Standard Diaphragm valve type 514 With butt and electro fusion ends PE100 SDR11 metric

Model:

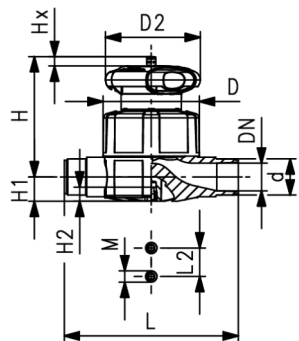
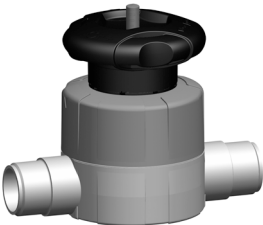
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10	125	167 514 312	167 514 332	
25	20	10	271	167 514 313	167 514 333	
32	25	10	481	167 514 314	167 514 334	
40	32	10	759	167 514 315	167 514 335	
50	40	10	1263	167 514 316	167 514 336	
63	50	10	1728	167 514 317	167 514 337	

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	48	196	25	73	14	12	M6	7	1,9	
25	80	65	58	221	25	81	18	12	M6	10	2,3	
32	88	87	65	234	25	107	22	12	M6	13	2,9	
40	101	87	79	260	45	115	26	15	M8	15	3,7	
50	117	135	91	284	45	148	32	15	M8	19	4,6	
63	144	135	111	321	45	166	39	15	M8	25	5,8	



PROGEF Standard Diaphragm valve type 515 With socket fusion spigots metric

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

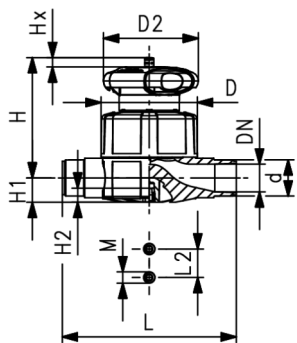
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

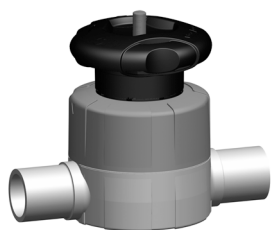
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code	
20	15	10	125	167 515 002	167 515 012	167 515 032	167 515 062	
25	20	10	271	167 515 003	167 515 013	167 515 033	167 515 063	
32	25	10	481	167 515 004	167 515 014	167 515 034	167 515 064	
40	32	10	759	167 515 005	167 515 015	167 515 035	167 515 065	
50	40	10	1263	167 515 006	167 515 016	167 515 036	167 515 066	
63	50	10	1728	167 515 007	167 515 017	167 515 037	167 515 067	

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	124	25	73	14	12	M6	7	1.9	
25	80	65	144	25	81	18	12	M6	10	2.3	
32	88	87	154	25	107	22	12	M6	13	2.9	

table continued next page



d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
40	101	87	174	45	115	26	15	M8	15	3.7	
50	117	135	194	45	148	32	15	M8	19	4.6	
63	144	135	223	45	166	39	15	M8	25	5.8	



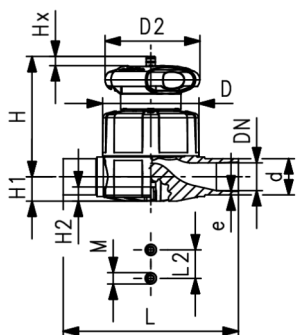
PROGEF Standard Diaphragm valve type 515 With butt fusion spigots SDR11 metric

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

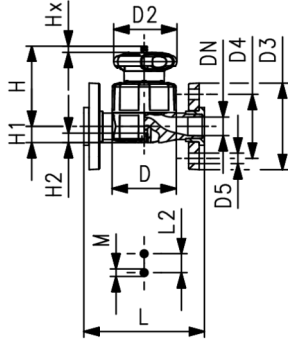
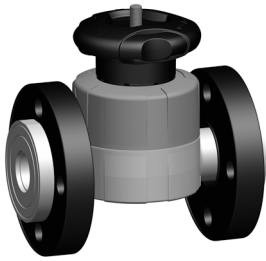
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code	
20	15	10	125	167 515 102	167 515 112	167 515 132	167 515 162	
25	20	10	271	167 515 103	167 515 113	167 515 133	167 515 163	
32	25	10	481	167 515 104	167 515 114	167 515 134	167 515 164	
40	32	10	759	167 515 105	167 515 115	167 515 135	167 515 165	
50	40	10	1263	167 515 106	167 515 116	167 515 136	167 515 166	
63	50	10	1728	167 515 107	167 515 117	167 515 137	167 515 167	

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	124	25	73	14	12	M6	7	1.9	
25	80	65	144	25	81	18	12	M6	10	2.3	
32	88	87	155	25	107	22	12	M6	13	2.9	
40	101	87	176	45	115	26	15	M8	15	3.7	
50	117	135	193	45	148	32	15	M8	19	4.6	
63	144	135	223	45	166	39	15	M8	25	5.8	



PROGEF Standard Diaphragm valve type 517 With backing flanges PP-V metric/BS

Model:

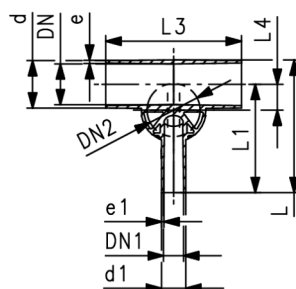
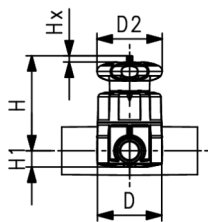
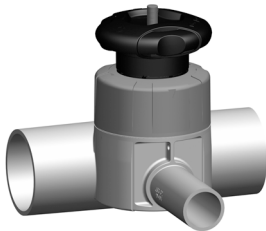
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code
20	15	10	125	167 517 102	167 517 112	167 517 132	167 517 162
25	20	10	271	167 517 103	167 517 113	167 517 133	167 517 163
32	25	10	481	167 517 104	167 517 114	167 517 134	167 517 164
40	32	10	759	167 517 105	167 517 115	167 517 135	167 517 165
50	40	10	1263	167 517 106	167 517 116	167 517 136	167 517 166
63	50	10	1728	167 517 107	167 517 117	167 517 137	167 517 167

d [mm]	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
20	65	65	95	65	14	130	25	73	14	12	M6	7
25	80	65	105	75	14	150	25	81	18	12	M6	10
32	88	87	115	85	14	160	25	107	22	12	M6	13
40	101	87	140	100	18	180	45	115	26	15	M8	15
50	117	135	150	110	18	200	45	148	32	15	M8	19
63	144	135	165	125	18	230	45	166	39	15	M8	25



PROGEF Standard Diaphragm valve type 519 With butt fusion spigots metric

Model:

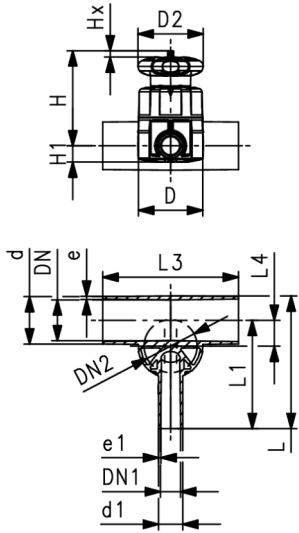
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Smallest possible dead space

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	d1 [mm]	Valve Size d [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	20	20	15	15	15	10	57	167 519 101	167 519 301
25	20	25	20	15	20	10	89	167 519 103	167 519 303
25	25	25	20	20	20	10	118	167 519 104	167 519 304
32	20	25	25	15	20	10	80	167 519 107	167 519 307
32	25	25	25	20	20	10	105	167 519 108	167 519 308
32	32	32	25	25	25	10	231	167 519 109	167 519 309
40	20	32	32	15	25	10	85	167 519 112	167 519 312
50	20	25	40	15	20	10	86	167 519 118	167 519 318
50	25	32	40	20	25	10	160	167 519 119	167 519 319
50	32	32	40	25	25	10	206	167 519 120	167 519 320

table continued next page



d [mm]	d1 [mm]	Valve Size d [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
63	20	25	50	15	20	10	84	167 519 125	167 519 325	
63	25	32	50	20	25	10	150	167 519 126	167 519 326	
63	32	32	50	25	25	10	184	167 519 127	167 519 327	

d [mm]	D [mm]	D2 [mm]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]	
20	65	65	117	96	162	12	75	7	1.9	1.9	
25	80	65	133	108	162	16	80	10	2.3	1.9	
25	80	65	133	108	162	16	80	10	2.3	2.3	
32	80	65	142	120	162	19	84	10	2.9	1.9	
32	80	65	142	120	162	19	84	10	2.9	2.3	
32	88	87	145	120	160	19	107	13	2.9	2.9	
40	88	87	149	128	180	23	115	13	3.7	1.9	
50	80	65	160	134	180	27	97	10	4.6	1.9	
50	88	87	160	134	180	28	120	13	4.6	2.3	
50	88	87	160	134	180	28	120	13	4.6	2.9	
63	80	65	177	144	180	33	104	10	5.8	1.9	
63	88	87	177	144	180	35	127	13	5.8	2.3	
63	88	87	177	144	180	35	127	13	5.8	2.9	

Diaphragm valves pneumatic

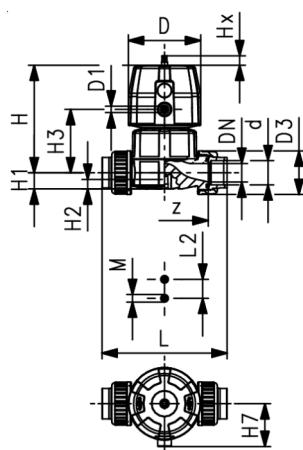
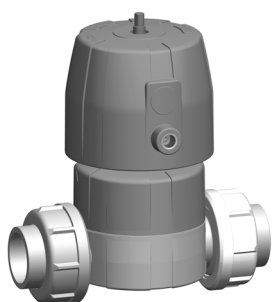
New generation

PROGEF Standard

Diaphragm valve DIASTAR Six

FC (Fail safe to close)

Unions with fusion sockets metric



Model:

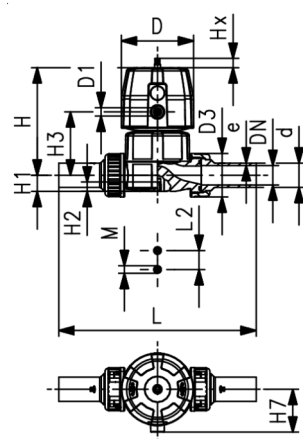
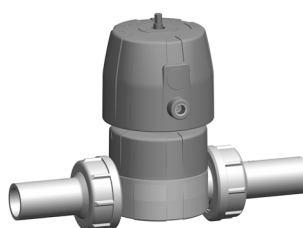
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	6	125	167 614 012
25	20	6	271	167 614 013
32	25	6	481	167 614 014
40	32	6	759	167 614 015
50	40	6	960	167 614 016
63	50	6	1181	167 614 017

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	43	M6	100	7
25	96	1/8	150	25	132	18	12	73	57	M6	118	10
32	96	1/8	162	25	143	22	12	84	57	M6	126	13
40	120	1/8	184	45	173	26	15	99	69	M8	144	14
50	120	1/8	210	45	193	32	15	119	69	M8	164	16
63	120	1/8	248	45	205	39	15	132	69	M8	194	16



PROGEF Standard

Diaphragm valve DIASTAR Six

FC (Fail safe to close)

Unions with butt fusion spigots SDR11 metric

Model:

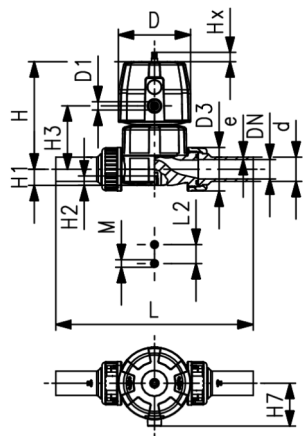
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

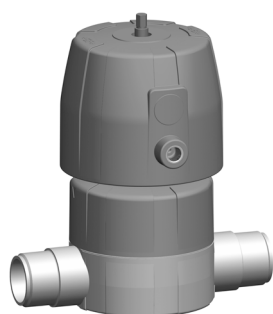
- Individual configuration of the valve (see diagram)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
20	15	6	125	167 614 112	800 047 261
25	20	6	271	167 614 113	800 047 262
32	25	6	481	167 614 114	800 047 263
40	32	6	759	167 614 115	800 047 259
50	40	6	960	167 614 116	800 047 264
63	50	6	1181	167 614 117	800 047 265

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]	
20	68	1/8	196	25	101	14	12	60	43	M6	7	1.9	
25	96	1/8	221	25	132	18	12	73	57	M6	10	2.3	
32	96	1/8	234	25	143	22	12	84	57	M6	13	2.9	
40	120	1/8	260	45	173	26	15	99	69	M8	14	3.7	
50	120	1/8	284	45	193	32	15	119	69	M8	16	4.6	
63	120	1/8	321	45	205	39	15	132	69	M8	16	5.8	



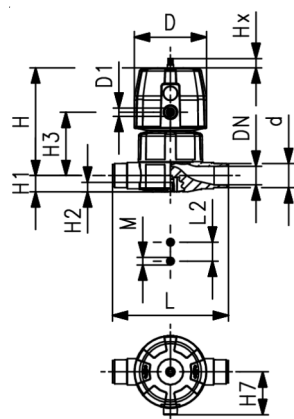
PROGEF Standard Diaphragm valve DIASTAR Six FC (Fail safe to close) With socket fusion spigots metric

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

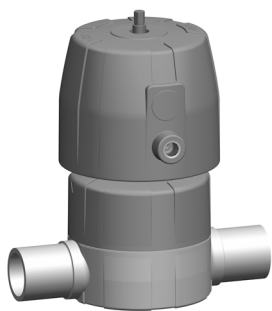
Option:

- Individual configuration of the valve (see diagram)



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	
20	15	6	125	167 615 012	
25	20	6	271	167 615 013	
32	25	6	481	167 615 014	
40	32	6	759	167 615 015	
50	40	6	960	167 615 016	
63	50	6	1181	167 615 017	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]	
20	68	1/8	124	25	101	14	12	60	43	M6	7	1.9	
25	96	1/8	144	25	132	18	12	73	57	M6	10	2.3	
32	96	1/8	154	25	143	22	12	84	57	M6	13	2.9	
40	120	1/8	174	45	173	26	15	99	69	M8	14	3.7	
50	120	1/8	194	45	193	32	15	119	69	M8	16	4.6	
63	120	1/8	224	45	205	39	15	132	69	M8	16	5.8	



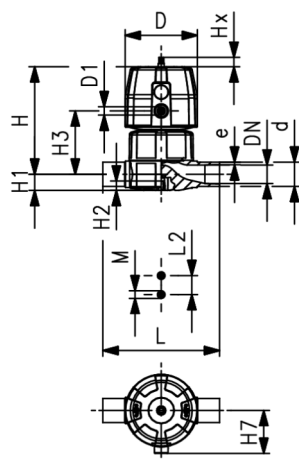
PROGEF Standard Diaphragm valve DIASTAR Six FC (Fail safe to close) With butt fusion spigots SDR11 metric

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

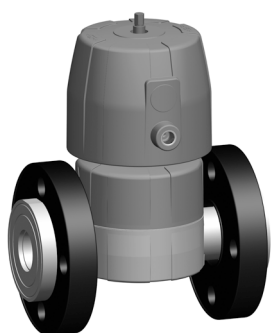
Option:

- Individual configuration of the valve (see diagram)



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	6	125	167 615 112
25	20	6	271	167 615 113
32	25	6	481	167 615 114
40	32	6	759	167 615 115
50	40	6	960	167 615 116
63	50	6	1181	167 615 117

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	57	M6	10	2.3
32	96	1/8	154	25	143	22	12	84	57	M6	13	2.9
40	120	1/8	174	45	173	26	15	99	69	M8	14	3.7
50	120	1/8	194	45	193	32	15	119	69	M8	16	4.6
63	120	1/8	224	45	205	39	15	132	69	M8	16	5.8



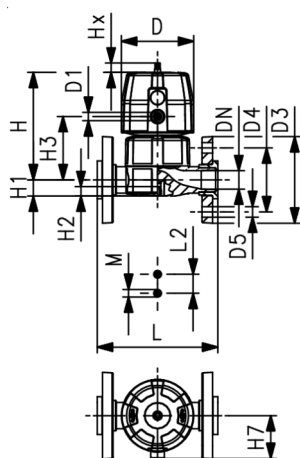
PROGEF Standard Diaphragm valve DIASTAR Six FC (Fail safe to close) With backing flanges PP-V metric/BS

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

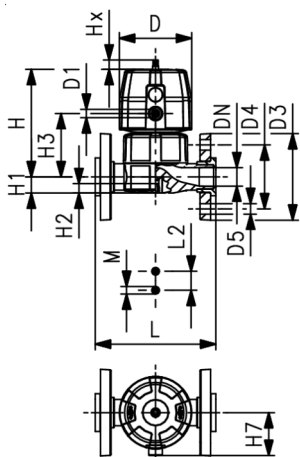
- Individual configuration of the valve (see diagram)



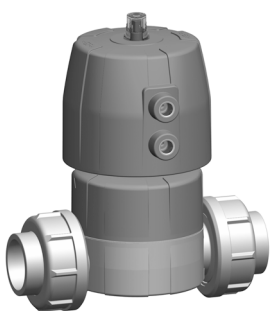
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	6	125	167 617 112
25	20	6	271	167 617 113
32	25	6	481	167 617 114
40	32	6	759	167 617 115
50	40	6	960	167 617 116
63	50	6	1181	167 617 117

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	95	65	14	130	25	101	14	12	60	43	M6	7
25	96	1/8	105	75	14	150	25	132	18	12	73	57	M6	10
32	96	1/8	115	85	14	160	25	143	22	12	84	69	M6	13

table continued next page



d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]
40	120	1/8	140	100	18	180	45	173	26	15	99	69	M8	14
50	120	1/8	150	110	18	200	45	193	32	15	119	69	M8	16
63	120	1/8	165	125	18	230	45	205	39	15	132	69	M8	16



PROGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) Unions with fusion sockets metric

Model:

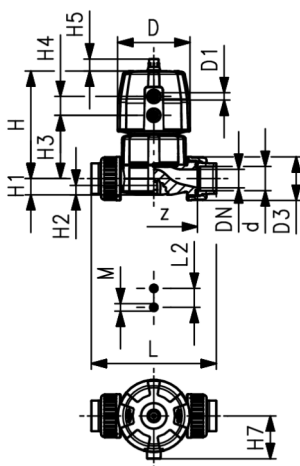
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

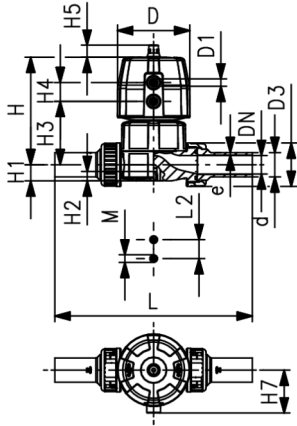
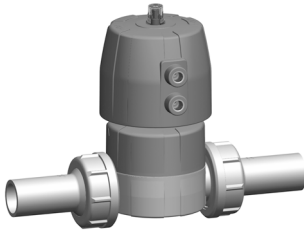
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	FPM Code	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	167 624 012	167 624 062	167 624 032	167 624 052
25	20	10/10*	271	167 624 013	167 624 063	167 624 033	167 624 053
32	25	10/10*	481	167 624 014	167 624 064	167 624 034	167 624 054
40	32	10/10*	759	167 624 015	167 624 065	167 624 035	167 624 055
50	40	10/10*	1263	167 624 016	167 624 066	167 624 036	167 624 056
63	50	10/6*	1728	167 624 017	167 624 067	167 624 037	167 624 057

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	100	7
25	96	1/8	150	25	132	18	12	73	25	16	57	M6	118	10
32	96	1/8	162	25	143	22	12	84	25	16	57	M6	126	13
40	120	1/8	184	45	173	26	15	99	26	26	69	M8	144	15
50	150	1/4	210	45	214	32	15	119	36	26	88	M8	164	19
63	150	1/4	248	45	226	39	15	132	36	26	88	M8	194	23



PROGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) Unions with butt fusion spigots SDR11 metric

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

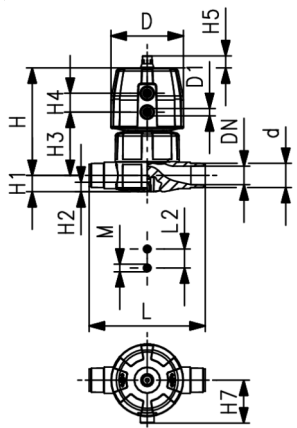
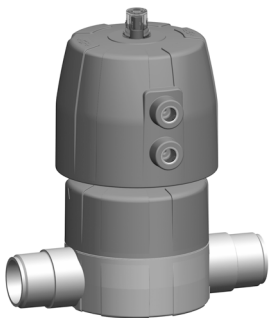
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	167 624 112	167 624 162	167 624 132	167 624 152
25	20	10/10*	271	167 624 113	167 624 163	167 624 133	167 624 153
32	25	10/10*	481	167 624 114	167 624 164	167 624 134	167 624 154
40	32	10/10*	759	167 624 115	167 624 165	167 624 135	167 624 155
50	40	10/10*	1263	167 624 116	167 624 166	167 624 136	167 624 156
63	50	10/6*	1728	167 624 117	167 624 167	167 624 137	167 624 157

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	2.3
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.9
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	3.7
50	150	1/4	284	45	214	32	15	119	36	26	88	M8	19	4.6
63	150	1/4	321	45	226	39	15	132	36	26	88	M8	23	5.8



PROGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) With socket fusion spigots metric

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

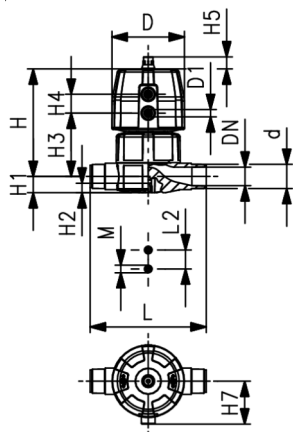
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

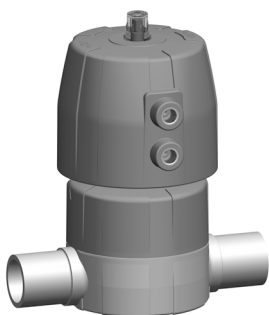
Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 625 012	167 625 032
25	20	10/10*	271	167 625 013	167 625 033
32	25	10/10*	481	167 625 014	167 625 034
40	32	10/10*	759	167 625 015	167 625 035
50	40	10/10*	1263	167 625 016	167 625 036
63	50	10/6*	1728	167 625 017	167 625 037

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.9
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	3.7
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	4.6
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	5.8



PROGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) With butt fusion spigots SDR11 metric

Model:

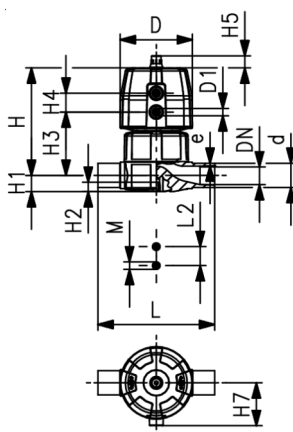
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

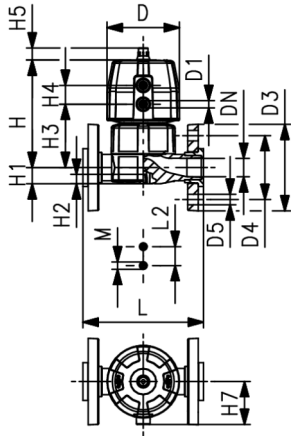
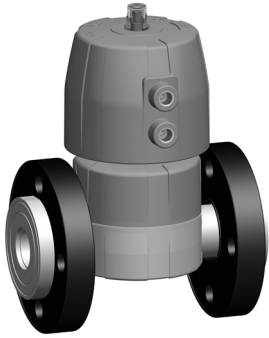
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 625 112	167 625 132
25	20	10/10*	271	167 625 113	167 625 133
32	25	10/10*	481	167 625 114	167 625 134
40	32	10/10*	759	167 625 115	167 625 135
50	40	10/10*	1263	167 625 116	167 625 136
63	50	10/6*	1728	167 625 117	167 625 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



PROGEF Standard **Diaphragm valve DIASTAR Ten** **FC (Fail safe to close)** **With backing flanges PP-V metric/BS**

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	PTFE/EPDM Code	PTFE/FPM Code	
20	15	10/10*	125	167 627 112	167 627 162	167 627 132	167 627 152	
25	20	10/10*	271	167 627 113	167 627 163	167 627 133	167 627 153	
32	25	10/10*	481	167 627 114	167 627 164	167 627 134	167 627 154	
40	32	10/10*	759	167 627 115	167 627 165	167 627 135	167 627 155	
50	40	10/10*	1263	167 627 116	167 627 166	167 627 136	167 627 156	
63	50	10/6*	1728	167 627 117	167 627 167	167 627 137	167 627 157	

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	69	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	193	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	205	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]	
20	7	
25	10	
32	13	
40	15	
50	19	
63	23	



PROGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) Unions with fusion sockets metric

Model:

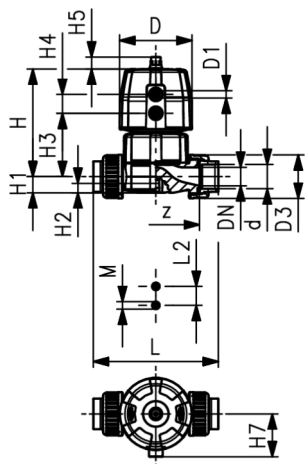
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

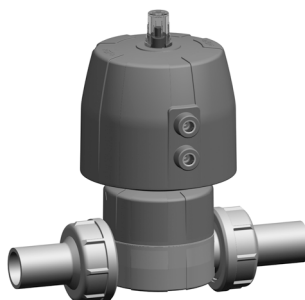
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 644 012	167 644 032
25	20	10/10*	271	167 644 013	167 644 033
32	25	10/10*	481	167 644 014	167 644 034
40	32	10/10*	759	167 644 015	167 644 035
50	40	10/10*	1263	167 644 016	167 644 036
63	50	10/10*	1728	167 644 017	167 644 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	100	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	118	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	126	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	144	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	164	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	194	23



PROGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) Unions with butt fusion spigots SDR11 metric

Model:

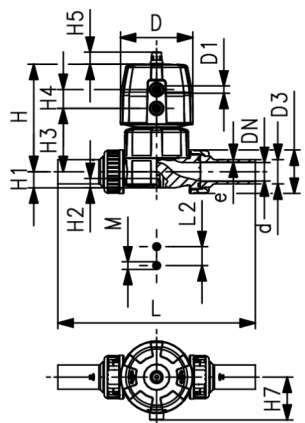
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

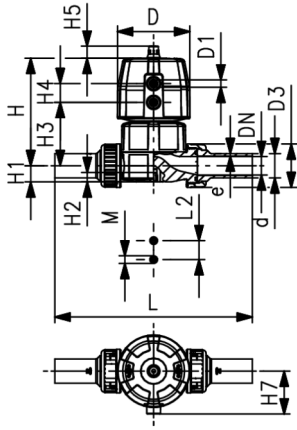
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 644 112	167 644 132
25	20	10/10*	271	167 644 113	167 644 133
32	25	10/10*	481	167 644 114	167 644 134
40	32	10/10*	759	167 644 115	167 644 135
50	40	10/10*	1263	167 644 116	167 644 136
63	50	10/10*	1728	167 644 117	167 644 137

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	2.3
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.9
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	3.7
50	150	1/4	284	45	214	32	15	119	36	26	69	M8	19	4.6
63	150	1/4	321	45	226	39	15	132	36	26	69	M8	23	5.8



PROGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) With socket fusion spigots metric

Model:

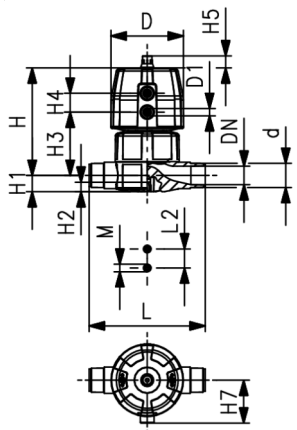
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

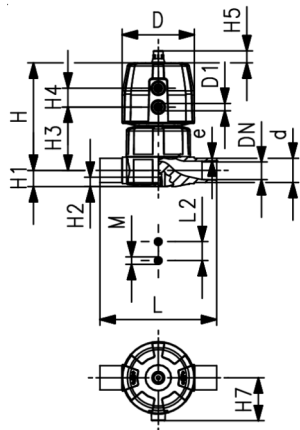
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 645 012	167 645 032
25	20	10/10*	271	167 645 013	167 645 033
32	25	10/10*	481	167 645 014	167 645 034
40	32	10/10*	759	167 645 015	167 645 035
50	40	10/10*	1263	167 645 016	167 645 036
63	50	10/10*	1728	167 645 017	167 645 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.9
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	3.7
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	4.6
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	5.8



PROGEF Standard **Diaphragm valve DIASTAR Ten** **FO (Fail safe to open)** **With butt fusion spigots SDR11 metric**

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

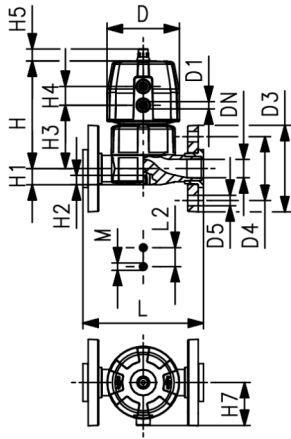
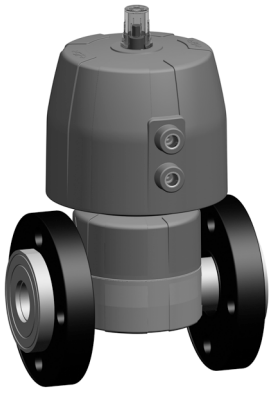
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 645 112	167 645 132
25	20	10/10*	271	167 645 113	167 645 133
32	25	10/10*	481	167 645 114	167 645 134
40	32	10/10*	759	167 645 115	167 645 135
50	40	10/10*	1263	167 645 116	167 645 136
63	50	10/10*	1728	167 645 117	167 645 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.9
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	3.7
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	4.6
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	5.8



PROGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) With backing flanges PP-V metric/BS

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 647 112	167 647 132
25	20	10/10*	271	167 647 113	167 647 133
32	25	10/10*	481	167 647 114	167 647 134
40	32	10/10*	759	167 647 115	167 647 135
50	40	10/10*	1263	167 647 116	167 647 136
63	50	10/10*	1728	167 647 117	167 647 137

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	57	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	69	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	88	M8
50	150	1/4	150	110	18	200	45	214	32	15	119	36	26	103	M8
63	150	1/4	165	125	18	230	45	226	39	15	132	36	26	103	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



PROGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) Unions with fusion sockets metric

Model:

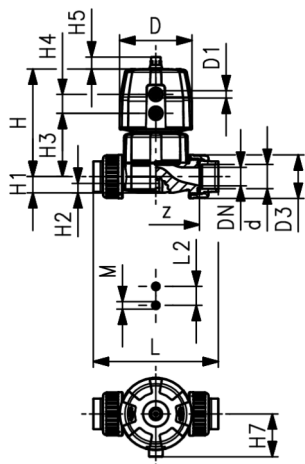
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

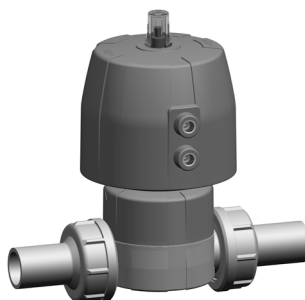
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 654 012	167 654 032
25	20	10/10*	271	167 654 013	167 654 033
32	25	10/10*	481	167 654 014	167 654 034
40	32	10/10*	759	167 654 015	167 654 035
50	40	10/10*	1263	167 654 016	167 654 036
63	50	10/10*	1728	167 654 017	167 654 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	100	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	118	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	126	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	144	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	164	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	194	23



PROGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) Unions with butt fusion spigots SDR11 metric

Model:

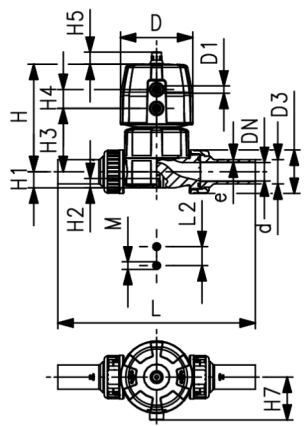
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

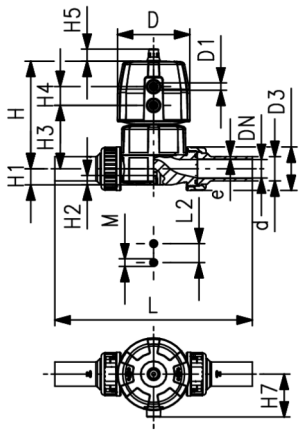
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 654 112	167 654 132
25	20	10/10*	271	167 654 113	167 654 133
32	25	10/10*	481	167 654 114	167 654 134
40	32	10/10*	759	167 654 115	167 654 135
50	40	10/10*	1263	167 654 116	167 654 136
63	50	10/10*	1728	167 654 117	167 654 137

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	2.3
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.9
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	3.7
50	150	1/4	284	45	214	32	15	119	36	26	69	M8	19	4.6
63	150	1/4	321	45	226	39	15	132	36	26	69	M8	23	5.8



PROGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) With socket fusion spigots metric

Model:

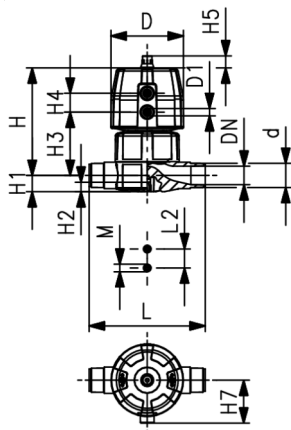
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

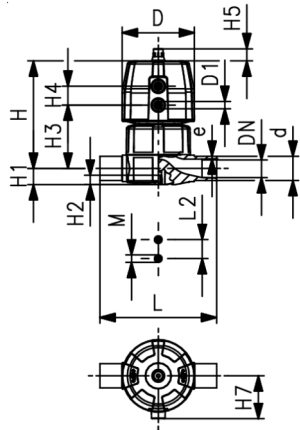
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 655 012	167 655 032
25	20	10/10*	271	167 655 013	167 655 033
32	25	10/10*	481	167 655 014	167 655 034
40	32	10/10*	759	167 655 015	167 655 035
50	40	10/10*	1263	167 655 016	167 655 036
63	50	10/10*	1728	167 655 017	167 655 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



PROGEF Standard **Diaphragm valve DIASTAR Ten** **DA (Double acting)** **With butt fusion spigots SDR11 metric**

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

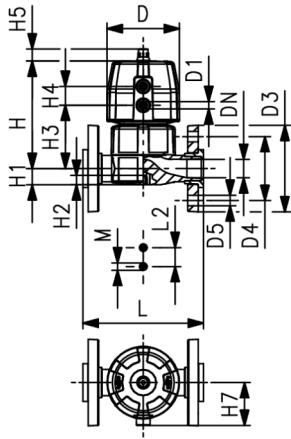
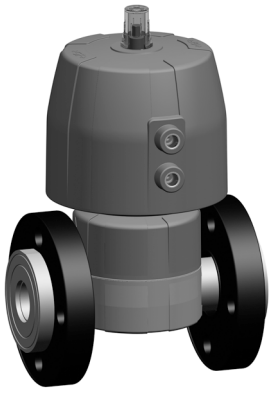
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 655 112	167 655 132
25	20	10/10*	271	167 655 113	167 655 133
32	25	10/10*	481	167 655 114	167 655 134
40	32	10/10*	759	167 655 115	167 655 135
50	40	10/10*	1263	167 655 116	167 655 136
63	50	10/10*	1728	167 655 117	167 655 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.9
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	3.7
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	4.6
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	5.8



PROGEF Standard **Diaphragm valve DIASTAR Ten** **DA (Double acting)** **With backing flanges PP-V metric/BS**

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 657 112	167 657 132
25	20	10/10*	271	167 657 113	167 657 133
32	25	10/10*	481	167 657 114	167 657 134
40	32	10/10*	759	167 657 115	167 657 135
50	40	10/10*	1263	167 657 116	167 657 136
63	50	10/10*	1728	167 657 117	167 657 137

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	57	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	69	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	88	M8
50	150	1/4	150	110	18	200	45	214	32	15	119	36	26	103	M8
63	150	1/4	165	125	18	230	45	226	39	15	132	36	26	103	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



PROGEF Standard

Diaphragm valve DIASTAR TenPlus

FC (Fail safe to close)

Unions with fusion sockets metric

Model:

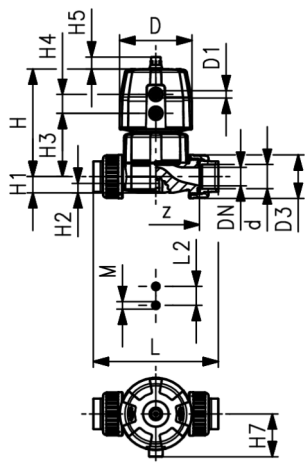
- Material: PP-H
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Double flow rate compared to predecessor
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

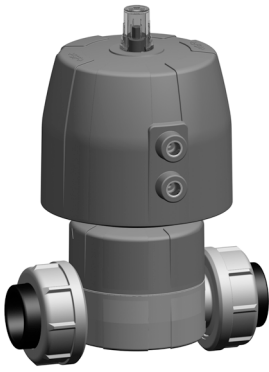
* PN: PTFE

Working Pressure: **both sides**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	PTFE/EPDM Code	PTFE/FPM Code	
20	15	10/10*	125	167 684 012	167 684 062	167 684 032	167 684 052	
25	20	10/10*	271	167 684 013	167 684 063	167 684 033	167 684 053	
32	25	10/10*	481	167 684 014	167 684 064	167 684 034	167 684 054	
40	32	10/10*	759	167 684 015	167 684 065	167 684 035	167 684 055	
50	40	10/10*	1263	167 684 016	167 684 066	167 684 036	167 684 056	
63	50	10/10*	1728	167 684 017	167 684 067	167 684 037	167 684 057	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
20	96	1/8	128	25	127	14	12	68	25	16	57	M6	100	7	
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	118	10	
32	120	1/8	166	25	167	22	12	93	26	26	69	M6	126	13	
40	150	1/4	192	45	196	26	15	101	36	26	88	M8	144	15	
50	180	1/4	222	45	239	32	15	124	37	26	103	M8	164	19	
63	180	1/4	266	45	251	39	15	137	37	26	103	M8	194	23	



PROGEF Standard

Diaphragm valve DIASTAR TenPlus

FC (Fail safe to close)

Unions with fusion sockets PE80 metric

Model:

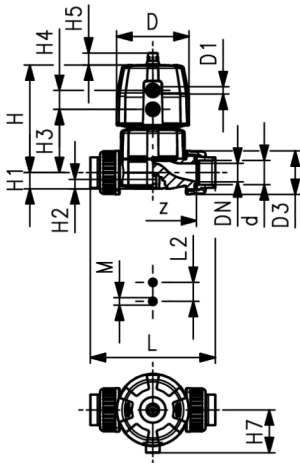
- Material: PP-H
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Double flow rate compared to predecessor
- For easy installation and removal
- Short overall length
- Double flow rate compared to predecessor
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

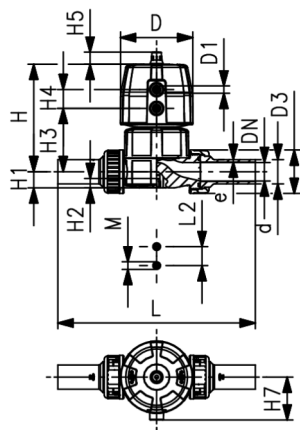
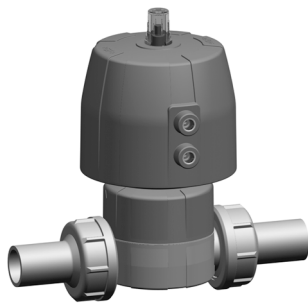
* PN: PTFE

Working Pressure: **both sides**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	156	167 684 212	167 684 232
25	20	10/10*	276	167 684 213	167 684 233
32	25	10/10*	561	167 684 214	167 684 234
40	32	10/10*	684	167 684 215	167 684 235
50	40	10/10*	950	167 684 216	167 684 236
63	50	10/10*	1425	167 684 217	167 684 237

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	96	1/8	128	25	127	14	12	68	25	16	57	M6	100	7
25	96	1/8	150	25	132	18	12	73	25	16	57	M6	118	10
32	120	1/8	162	25	167	22	12	93	26	26	69	M6	126	13
40	150	1/4	184	45	196	26	15	101	36	26	88	M8	144	15
50	180	1/4	210	45	239	32	15	124	37	26	103	M8	164	19
63	180	1/4	248	45	251	39	15	137	37	26	103	M8	194	23



PROGEF Standard Diaphragm valve DIASTAR TenPlus FC (Fail safe to close) Unions with butt fusion spigots SDR11 metric

Model:

- Material: PP-H
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Double flow rate compared to predecessor
- For easy installation and removal
- Short overall length

Option:

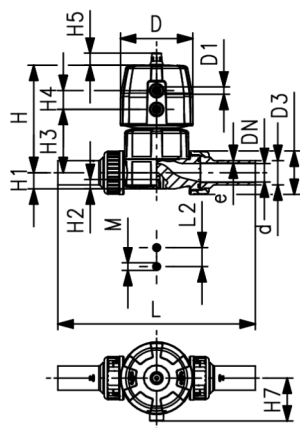
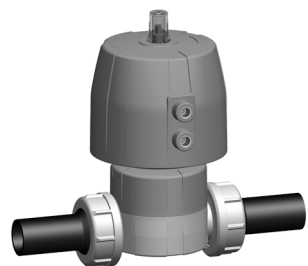
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	167 684 112	167 684 162	167 684 132	167 684 152
25	20	10/10*	271	167 684 113	167 684 163	167 684 133	167 684 153
32	25	10/10*	481	167 684 114	167 684 164	167 684 134	167 684 154
40	32	10/10*	759	167 684 115	167 684 165	167 684 135	167 684 155
50	40	10/10*	1263	167 684 116	167 684 166	167 684 136	167 684 156
63	50	10/10*	1728	167 684 117	167 684 167	167 684 137	167 684 157

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	96	1/8	196	25	127	14	12	68	25	16	57	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	2.3
32	120	1/8	234	25	167	22	12	93	26	26	69	M6	13	2.9
40	150	1/4	260	45	196	26	15	101	36	26	88	M8	15	3.7
50	180	1/4	284	45	239	32	15	124	37	26	103	M8	19	4.6
63	180	1/4	321	45	251	39	15	137	37	26	103	M8	23	5.8



PROGEF Standard Diaphragm valve DIASTAR TenPlus FC (Fail safe to close) Unions with butt fusion spigots PE100 SDR11 metric

Model:

- Material: PP-H
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Double flow rate compared to predecessor
- For easy installation and removal
- Short overall length
- Double flow rate compared to predecessor
- For easy installation and removal
- Short overall length

Option:

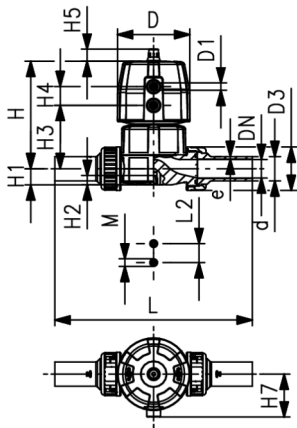
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	156	167 684 312	167 684 332
25	20	10/10*	276	167 684 313	167 684 333
32	25	10/10*	561	167 684 314	167 684 334

table continued next page



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
40	32	10/10*	684	167 684 315	167 684 335
50	40	10/10*	950	167 684 316	167 684 336
63	50	10/10*	1425	167 684 317	167 684 337

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	96	1/8	196	25	127	14	12	68	25	16	57	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	2.3
32	120	1/8	234	25	167	22	12	93	26	26	69	M6	13	3.0
40	150	1/4	260	45	196	26	15	101	36	26	88	M8	15	3.7
50	180	1/4	284	45	239	32	15	124	37	26	103	M8	19	4.6
63	180	1/4	321	45	251	39	15	137	37	26	103	M8	23	5.8



PROGEF Standard Diaphragm valve DIASTAR TenPlus FC (Fail safe to close) With socket fusion spigots metric

Model:

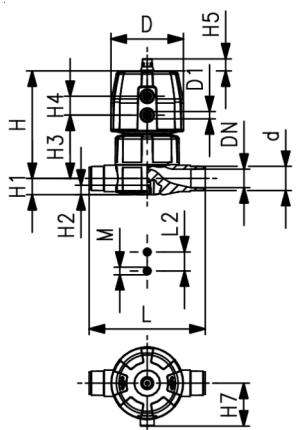
- Material: PP-H
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Double flow rate compared to predecessor
- For easy installation and removal
- Short overall length
- Double flow rate compared to predecessor
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

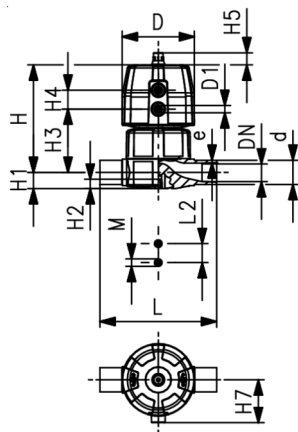
* PN: PTFE

Working Pressure: **both sides**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 685 012	167 685 032
25	20	10/10*	271	167 685 013	167 685 033
32	25	10/10*	481	167 685 014	167 685 034
40	32	10/10*	759	167 685 015	167 685 035
50	40	10/10*	1263	167 685 016	167 685 036
63	50	10/10*	1728	167 685 017	167 685 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13	2.9
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15	3.7
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19	4.6
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23	5.8



PROGEF Standard

Diaphragm valve DIASTAR TenPlus

FC (Fail safe to close)

With butt fusion spigots SDR11 metric

Model:

- Material: PP-H
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Double flow rate compared to predecessor
- For easy installation and removal
- Short overall length
- Double flow rate compared to predecessor

Option:

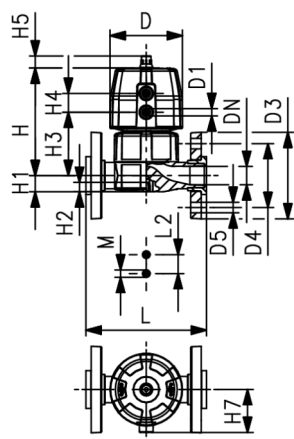
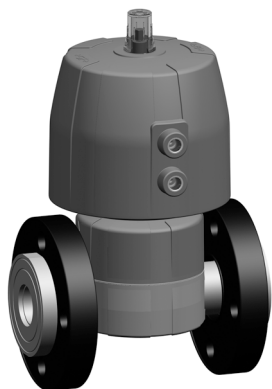
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 685 112	167 685 132
25	20	10/10*	271	167 685 113	167 685 133
32	25	10/10*	481	167 685 114	167 685 134
40	32	10/10*	759	167 685 115	167 685 135
50	40	10/10*	1263	167 685 116	167 685 136
63	50	10/10*	1728	167 685 117	167 685 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13	2.9
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15	3.7
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19	4.6
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23	5.8



PROGEF Standard **Diaphragm valve DIASTAR TenPlus** **FC (Fail safe to close)** **With backing flanges PP-V metric/BS**

Model:

- Material: PP-H
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Double flow rate compared to predecessor
- For easy installation and removal
- Short overall length
- Double flow rate compared to predecessor
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	167 687 112	167 687 162	167 687 132	167 687 152
25	20	10/10*	271	167 687 113	167 687 163	167 687 133	167 687 153
32	25	10/10*	481	167 687 114	167 687 164	167 687 134	167 687 154
40	32	10/10*	759	167 687 115	167 687 165	167 687 135	167 687 155
50	40	10/10*	1263	167 687 116	167 687 166	167 687 136	167 687 156
63	50	10/10*	1728	167 687 117	167 687 167	167 687 137	167 687 157

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	96	1/8	95	65	14	130	25	127	14	12	68	25	16	57	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	120	1/8	115	85	14	160	25	167	22	12	93	26	26	69	M6
40	150	1/4	140	100	18	180	45	196	26	15	101	36	26	88	M8
50	180	1/4	150	110	18	200	45	239	32	15	124	37	26	103	M8
63	180	1/4	165	125	18	230	45	251	39	15	137	37	26	103	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



PROGEF Standard

Diaphragm valve DIASTAR TenPlus

FC (Fail safe to close)

With butt fusion spigots SDR11 metric

Model:

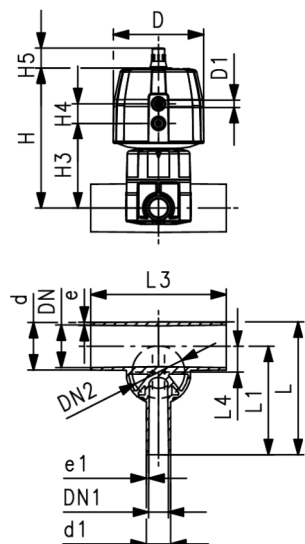
- Material: PP-H
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Double flow rate compared to predecessor
- For easy installation and removal
- Short overall length
- Smallest possible dead space

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



d [mm]	d1 [mm]	Valve Size d [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	20	20	15	15	15	10/10*	57	167 689 101	167 689 301
25	20	25	20	15	20	10/10*	89	167 689 103	167 689 303
25	25	25	20	20	20	10/10*	118	167 689 104	167 689 304
32	20	25	25	15	20	10/10*	80	167 689 107	167 689 307
32	25	25	25	20	20	10/10*	105	167 689 108	167 689 308
32	32	32	25	25	25	10/10*	231	167 689 109	167 689 309
40	20	32	32	15	25	10/10*	85	167 689 112	167 689 312
50	20	25	40	15	20	10/10*	86	167 689 118	167 689 318
50	25	32	40	20	25	10/10*	160	167 689 119	167 689 319
50	32	32	40	25	25	10/10*	206	167 689 120	167 689 320
63	20	25	50	15	20	10/10*	84	167 689 125	167 689 325
63	25	32	50	20	25	10/10*	150	167 689 126	167 689 326
63	32	32	50	25	25	10/10*	184	167 689 127	167 689 327

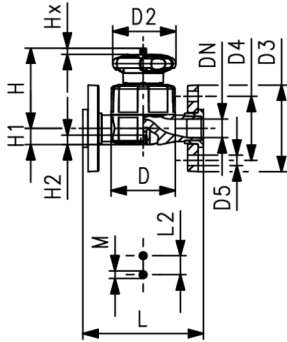
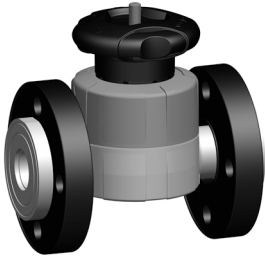
d [mm]	D [mm]	D1 [inch]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	H3 [mm]	H4 [mm]	H5 [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]
20	96	⅜	117	96	162	12	130	71	25	16	7	1.9	1.9
25	96	⅜	133	108	162	16	131	72	25	16	10	2.3	1.9
25	96	⅜	133	108	162	16	131	72	25	16	10	2.3	2.3
32	96	⅜	142	120	162	19	135	76	25	16	10	2.9	1.9
32	96	⅜	142	120	162	19	135	76	25	16	10	2.9	2.3
32	120	⅜	145	120	160	19	167	93	26	26	13	2.9	2.9
40	120	⅜	149	128	180	23	175	101	26	26	13	3.7	1.9
50	96	⅜	160	134	180	27	148	90	25	16	10	4.6	1.9
50	120	⅜	160	134	180	28	180	106	26	26	13	4.6	2.3
50	120	⅜	160	134	180	28	180	106	26	26	13	4.6	2.9
63	96	⅜	177	144	180	33	155	96	25	26	10	5.8	1.9
63	120	⅜	177	144	180	35	187	113	26	16	13	5.8	2.3
63	120	⅜	177	144	180	35	187	113	26	26	13	5.8	2.9

Diaphragm valves new generation

PROGEF Standard

Diaphragm valve type 517

With backing flanges PP-V Inch ANSI



Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	167 517 712	167 517 732
3/4	20	10	271	167 517 713	167 517 733
1	25	10	481	167 517 714	167 517 734
1 1/4	32	10	759	167 517 715	167 517 735
1 1/2	40	10	1263	167 517 716	167 517 736
2	50	10	1728	167 517 717	167 517 737

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
1/2	65	65	95	60	16	130	25	73	14	12	M6	7
3/4	80	65	105	70	16	150	25	81	18	12	M6	10
1	88	87	115	79	16	160	25	107	22	12	M6	13
1 1/4	101	87	140	89	16	180	45	115	26	15	M8	15
1 1/2	117	135	150	98	16	200	45	148	32	15	M8	19
2	144	135	165	121	19	230	45	166	39	15	M8	25

Diaphragm valves pneumatic

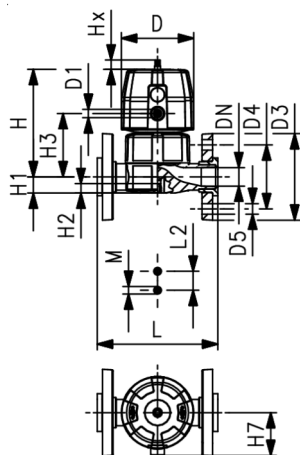
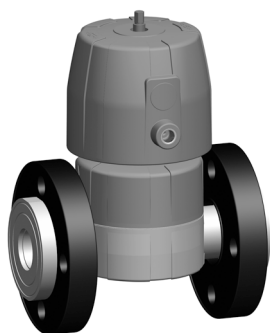
New generation

PROGEF Standard

Diaphragm valve DIASTAR Six

FC (Fail safe to close)

With backing flanges PP-V Inch ANSI



Model:

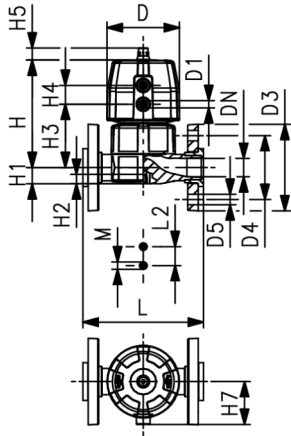
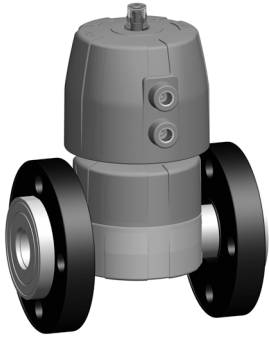
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code										
1/2	15	6	125	167 617 712										
3/4	20	6	271	167 617 713										
1	25	6	481	167 617 714										
1 1/4	32	6	759	167 617 715										
1 1/2	40	6	960	167 617 716										
2	50	6	1181	167 617 717										

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]
1/2	68	1/8	95	60	16	130	25	101	14	12	60	43	M6	7
3/4	96	1/8	105	70	16	150	25	132	18	12	73	57	M6	10
1	96	1/8	115	79	16	160	25	143	22	12	84	69	M6	13
1 1/4	120	1/8	140	89	16	180	45	173	26	15	99	69	M8	14
1 1/2	120	1/8	150	98	16	200	45	193	32	15	119	69	M8	16
2	120	1/8	165	121	19	230	45	205	39	15	132	69	M8	16



PROGEF Standard **Diaphragm valve DIASTAR Ten** **FC (Fail safe to close)** **With backing flanges PP-V Inch ANSI**

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

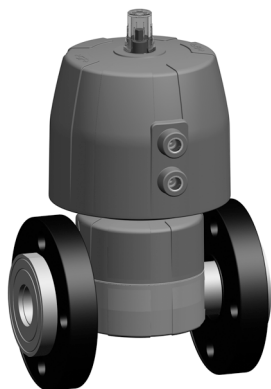
* PN: PTFE

Working Pressure: **one side**

Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	167 627 712	167 627 732
3/4	20	10/10*	271	167 627 713	167 627 733
1	25	10/10*	481	167 627 714	167 627 734
1 1/4	32	10/10*	759	167 627 715	167 627 735
1 1/2	40	10/10*	1263	167 627 716	167 627 736
2	50	10/6*	1728	167 627 717	167 627 737

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	60	16	130	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	1/8	115	79	16	160	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	140	89	16	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	150	98	16	200	45	193	32	15	119	36	26	88	M8
2	150	1/4	165	121	19	230	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



PROGEF Standard **Diaphragm valve DIASTAR Ten** **FO (Fail safe to open)** **With backing flanges PP-V Inch ANSI**

Model:

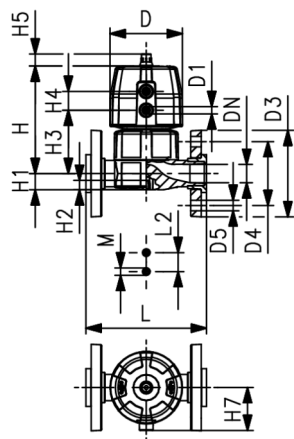
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

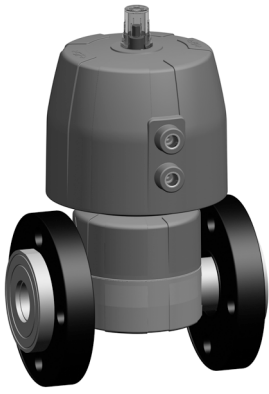
Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	167 647 712	167 647 732
3/4	20	10/10*	271	167 647 713	167 647 733
1	25	10/10*	481	167 647 714	167 647 734
1 1/4	32	10/10*	759	167 647 715	167 647 735
1 1/2	40	10/10*	1263	167 647 716	167 647 736
2	50	10/10*	1728	167 647 717	167 647 737

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	60	16	130	25	101	14	12	60	24	16	57	M6
3/4	96	1/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	1/8	115	79	16	160	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	140	89	16	180	45	173	26	15	99	26	26	88	M8
1 1/2	150	1/4	150	98	16	200	45	214	32	15	119	36	26	103	M8
2	150	1/4	165	121	19	230	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



PROGEF Standard **Diaphragm valve DIASTAR Ten** **DA (Double acting)** **With backing flanges PP-V Inch ANSI**

Model:

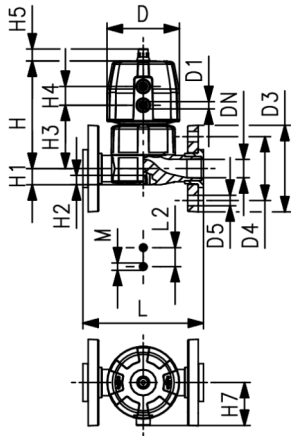
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

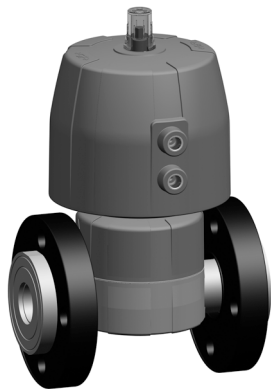
Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	167 657 712	167 657 732
3/4	20	10/10*	271	167 657 713	167 657 733
1	25	10/10*	481	167 657 714	167 657 734
1 1/4	32	10/10*	759	167 657 715	167 657 735
1 1/2	40	10/10*	1263	167 657 716	167 657 736
2	50	10/10*	1728	167 657 717	167 657 737

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	60	16	130	25	101	14	12	60	24	16	57	M6
3/4	96	1/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	1/8	115	79	16	160	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	140	89	16	180	45	173	26	15	99	26	26	88	M8
1 1/2	150	1/4	150	98	16	200	45	214	32	15	119	36	26	103	M8
2	150	1/4	165	121	19	230	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



PROGEF Standard **Diaphragm valve DIASTAR TenPlus** **FC (Fail safe to close)** **With backing flanges PP-V Inch ANSI**

Model:

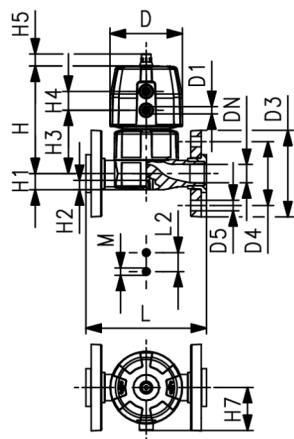
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	167 687 712	167 687 732
3/4	20	10/10*	271	167 687 713	167 687 733
1	25	10/10*	481	167 687 714	167 687 734
1 1/4	32	10/10*	759	167 687 715	167 687 735
1 1/2	40	10/10*	1263	167 687 716	167 687 736
2	50	10/10*	1728	167 687 717	167 687 737

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	96	1/8	95	60	16	130	25	127	14	12	68	25	16	57	M6
3/4	96	1/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	120	1/8	115	79	16	160	25	167	22	12	93	26	26	69	M6
1 1/4	150	1/4	140	89	16	180	45	196	26	15	101	36	26	88	M8
1 1/2	180	1/4	150	98	16	200	45	239	32	15	124	37	26	103	M8
2	180	1/4	165	121	19	230	45	251	39	15	137	37	26	103	M8

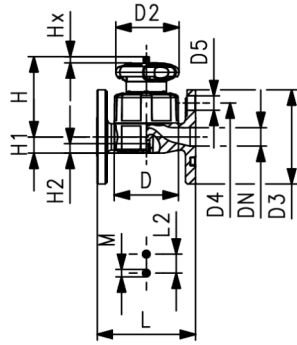
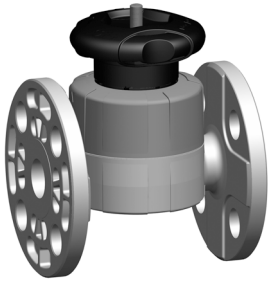
Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23

Diaphragm valves new generation

PROGEF Standard

Diaphragm valve type 517

With fixed flanges PP-H JIS



Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10	125		167 517 932	
3/4	20	10	271	167 517 913	167 517 933	
1	25	10	481	167 517 914	167 517 934	
1 1/4	32	10	759	167 517 915	167 517 935	
1 1/2	40	10	1263	167 517 916	167 517 936	
2	50	10	1728	167 517 917	167 517 937	

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
1/2	65	65	95	70	15	110	25	73	14	12	M6	7	
3/4	80	65	100	75	15	120	25	81	18	12	M6	10	
1	88	87	125	90	19	130	25	107	22	12	M6	13	
1 1/4	101	87	135	100	19	180	45	115	26	15	M8	15	
1 1/2	117	135	140	105	19	180	45	148	32	15	M8	19	
2	144	135	155	120	19	210	45	166	39	15	M8	25	

Diaphragm valves pneumatic

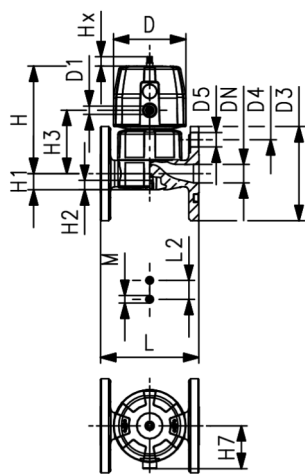
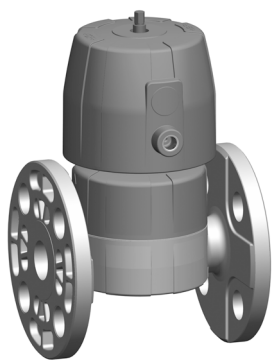
New generation

PROGEF Standard

Diaphragm valve DIASTAR Six

FC (Fail safe to close)

With fixed flanges PP-H JIS



Model:

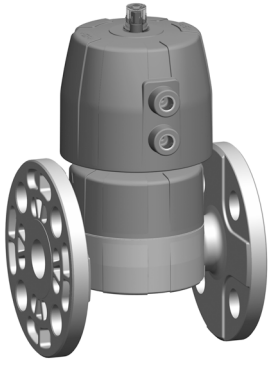
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code										
1/2	15	6	125	167 617 912										
3/4	20	6	271	167 617 913										
1	25	6	481	167 617 914										
1 1/4	32	6	759	167 617 915										
1 1/2	40	6	960	167 617 916										
2	50	6	1181	167 617 917										

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
1/2	68	1/8	95	70	15	110	25	101	14	12	60	43	M6	7	
3/4	96	1/8	100	75	15	120	25	132	18	12	73	57	M6	10	
1	96	1/8	125	90	19	130	25	143	22	12	84	69	M6	13	
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	69	M8	14	
1 1/2	120	1/8	140	105	19	180	45	193	32	15	119	69	M8	16	
2	120	1/8	155	120	19	210	45	205	39	15	132	69	M8	16	



PROGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) With fixed flanges PP-H JIS

Model:

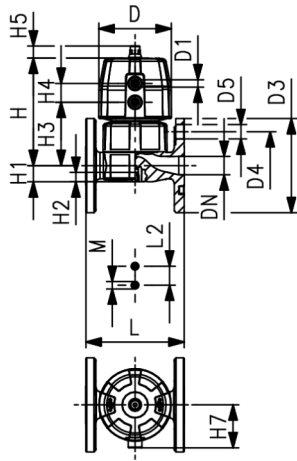
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

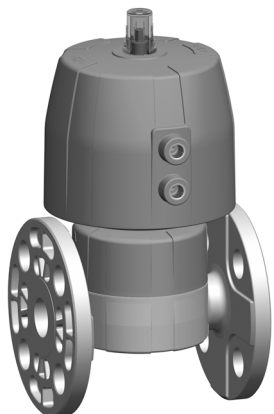
Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	167 627 912	167 627 932
3/4	20	10/10*	271	167 627 913	167 627 933
1	25	10/10*	481	167 627 914	167 627 934
1 1/4	32	10/10*	759	167 627 915	167 627 935
1 1/2	40	10/10*	1263	167 627 916	167 627 936
2	50	10/6*	1728	167 627 917	167 627 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	140	105	19	180	45	193	32	15	119	36	26	88	M8
2	150	1/4	155	120	19	210	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



PROGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) With fixed flanges PP-H JIS

Model:

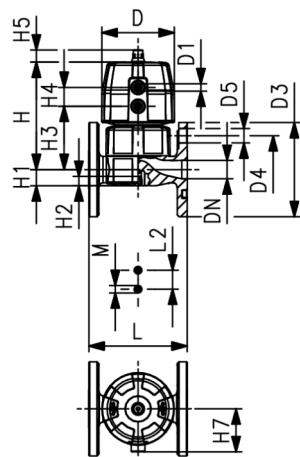
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

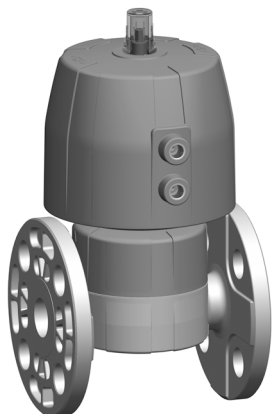
Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	167 647 912	167 647 932
3/4	20	10/10*	271	167 647 913	167 647 933
1	25	10/10*	481	167 647 914	167 647 934
1 1/4	32	10/10*	759	167 647 915	167 647 935
1 1/2	40	10/10*	1263	167 647 916	167 647 936
2	50	10/10*	1728	167 647 917	167 647 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	88	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	103	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



PROGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) With fixed flanges PP-H JIS

Model:

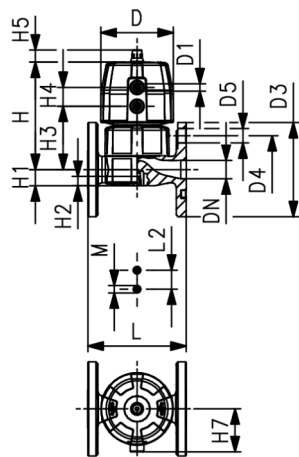
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

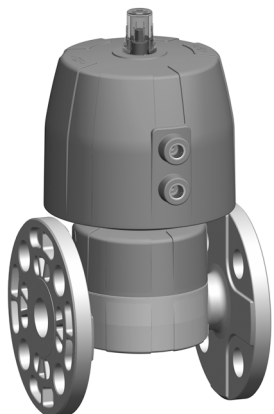
Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	167 657 912	167 657 932
3/4	20	10/10*	271	167 657 913	167 657 933
1	25	10/10*	481	167 657 914	167 657 934
1 1/4	32	10/10*	759	167 657 915	167 657 935
1 1/2	40	10/10*	1263	167 657 916	167 657 936
2	50	10/10*	1728	167 657 917	167 657 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	88	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	103	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



PROGEF Standard **Diaphragm valve DIASTAR TenPlus** **FC (Fail safe to close) low pressure** **With fixed flanges PP-H JIS**

Model:

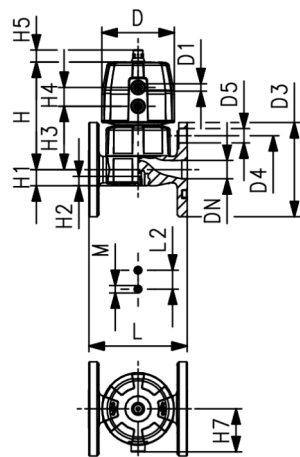
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/8*	125	167 687 912	167 687 932
3/4	20	10/8*	271	167 687 913	167 687 933
1	25	10/8*	481	167 687 914	167 687 934
1 1/4	32	10/8*	759	167 687 915	167 687 935
1 1/2	40	10/8*	1263	167 687 916	167 687 936
2	50	10/6*	1728	167 687 917	167 687 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	96	1/8	95	70	15	110	25	127	14	12	68	25	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	120	1/8	125	90	19	130	25	167	22	12	93	26	26	69	M6
1 1/4	150	1/4	135	100	19	180	45	196	26	15	101	36	26	88	M8
1 1/2	180	1/4	140	105	19	180	45	239	32	15	124	37	26	103	M8
2	180	1/4	155	120	19	210	45	251	39	15	137	37	26	103	M8

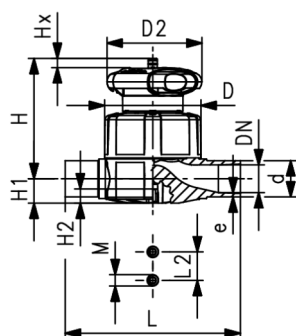
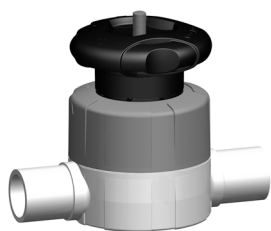
Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23

Diaphragm valves new generation

PROGEF Natural

Diaphragm valve type 515

With butt fusion spigots SDR11 metric



Model:

- Material: PP-R unpigmented
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

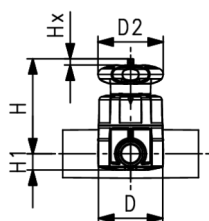
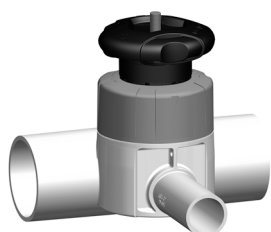
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	168 515 112	168 515 132
25	20	10	271	168 515 113	168 515 133
32	25	10	481	168 515 114	168 515 134
40	32	10	759	168 515 115	168 515 135
50	40	10	1263	168 515 116	168 515 136
63	50	10	1728	168 515 117	168 515 137

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
20	65	65	124	25	73	14	12	M6	7
25	80	65	144	25	81	18	12	M6	10
32	88	87	155	25	107	22	12	M6	13
40	101	87	176	45	115	26	15	M8	15
50	117	135	193	45	148	32	15	M8	19
63	144	135	223	45	166	39	15	M8	25

PROGEF Natural

Diaphragm valve type 519

With butt fusion spigots SDR11 metric



Model:

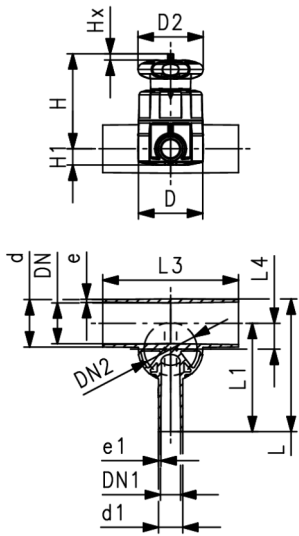
- Material: PP-R unpigmented
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Smallest possible dead space

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	d1 [mm]	Valve Size d [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	20	20	15	15	15	10	57	168 519 101	168 519 301
25	20	25	20	15	20	10	89	168 519 103	168 519 303
25	25	25	20	20	20	10	118	168 519 104	168 519 304
32	20	25	25	15	20	10	80	168 519 107	168 519 307
32	25	25	25	20	20	10	105	168 519 108	168 519 308
32	32	32	25	25	25	10	231	168 519 109	168 519 309
40	20	32	32	15	25	10	85	168 519 112	168 519 312
50	20	25	40	15	20	10	86	168 519 118	168 519 318
50	25	32	40	20	25	10	160	168 519 119	168 519 319
50	32	32	40	25	25	10	206	168 519 120	168 519 320
63	20	25	50	15	20	10	84	168 519 125	168 519 325
63	25	32	50	20	25	10	150	168 519 126	168 519 326
63	32	32	50	25	25	10	184	168 519 127	168 519 327

table continued next page



d [mm]	D [mm]	D2 [mm]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]	
20	65	65	117	96	162	12	75	7	1.9	1.9	
25	80	65	133	108	162	16	80	10	2.3	1.9	
25	80	65	133	108	162	16	80	10	2.3	2.3	
32	80	65	142	120	162	19	84	10	2.9	1.9	
32	80	65	142	120	162	19	84	10	2.9	2.3	
32	88	87	145	120	160	19	107	13	2.9	2.9	
40	88	87	149	128	180	23	115	13	3.7	1.9	
50	80	65	160	134	180	27	97	10	4.6	1.9	
50	88	87	160	134	180	28	120	13	4.6	2.3	
50	88	87	160	134	180	28	120	13	4.6	2.9	
63	80	65	177	144	180	33	104	10	5.8	1.9	
63	88	87	177	144	180	35	127	13	5.8	2.3	
63	88	87	177	144	180	35	127	13	5.8	2.9	

Diaphragm valves pneumatic

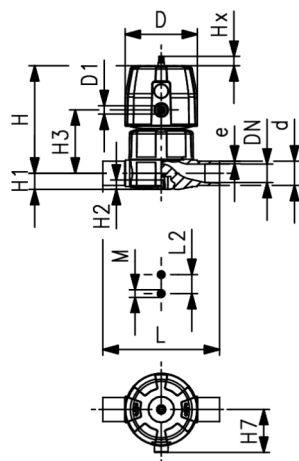
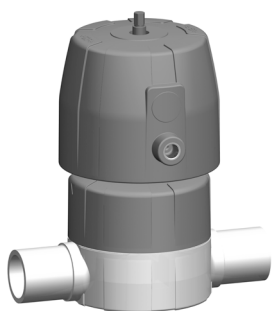
New generation

PROGEF Natural

Diaphragm valve DIASTAR Six

FC (Fail safe to close)

With butt fusion spigots SDR11 metric



Model:

- Material: PP-R unpigmented
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	6	125	168 615 112
25	20	6	271	168 615 113
32	25	6	481	168 615 114
40	32	6	759	168 615 115
50	40	6	960	168 615 116
63	50	6	1181	168 615 117

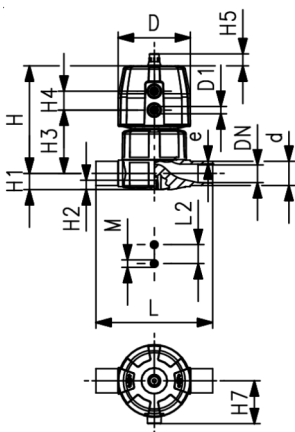
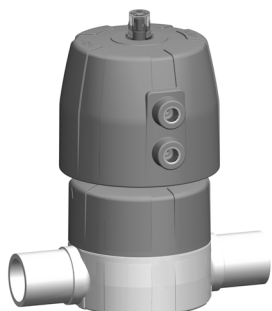
d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	57	M6	10	2.3
32	96	1/8	154	25	143	22	12	84	57	M6	13	2.9
40	120	1/8	174	45	173	26	15	99	69	M8	14	3.7
50	120	1/8	194	45	193	32	15	119	69	M8	16	4.6
63	120	1/8	224	45	205	39	15	132	69	M8	16	5.8

PROGEF Natural

Diaphragm valve DIASTAR Ten

FC (Fail safe to close)

With butt fusion spigots SDR11 metric



Model:

- Material: PP-R unpigmented
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

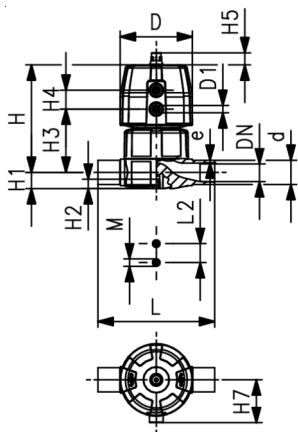
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

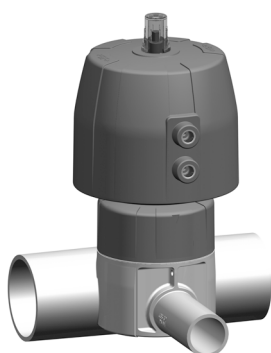
Working Pressure: **one side**

d [mm]	DN [mm]	PN*	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE Code
20	15	10/6*	125	168 625 112	168 625 132
25	20	10/6*	271	168 625 113	168 625 133
32	25	10/6*	481	168 625 114	168 625 134
40	32	10/6*	759	168 625 115	168 625 135
50	40	10/6*	1263	168 625 116	168 625 136
63	50	10/5*	1728	168 625 117	168 625 137

table continued next page



d	D	D1_G	L	L2	H	H1	H2	H3	H4	H5	H7	M	Lift = Hx	e	
[mm]	[mm]	[inch]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[mm]	[mm]	
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9	
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3	
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.9	
40	120	1/4	174	45	173	26	15	99	26	26	69	M8	15	3.7	
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	4.6	
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	5.8	



PROGEF Natural Diaphragm valve DIASTAR Ten FC (Fail safe to close) With butt fusion spigots SDR11 metric

Model:

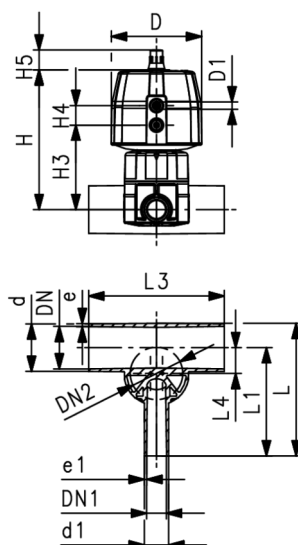
- Material: PP-R unpigmented
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Smallest possible dead space

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

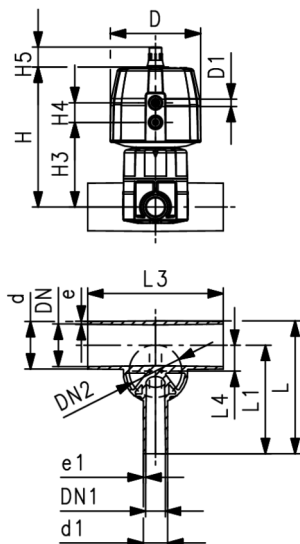
Working Pressure: **one side**



d	d1	Valve Size d	DN	DN1	DN2	PN*	kv-value (Δp=1 bar)	EPDM Code	PTFE/EPDM Code
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[bar]	[l/min]		
20	20	20	15	15	15	10/6*	57	168 629 101	168 629 301
25	20	25	20	15	20	10/6*	89	168 629 103	168 629 303
25	25	25	20	20	20	10/6*	118	168 629 104	168 629 304
32	20	25	25	15	20	10/6*	80	168 629 107	168 629 307
32	25	25	25	20	20	10/6*	105	168 629 108	168 629 308
32	32	32	25	25	25	10/6*	231	168 629 109	168 629 309
40	20	32	32	15	25	10/6*	85	168 629 112	168 629 312
50	20	25	40	15	20	10/6*	86	168 629 118	168 629 318
50	25	32	40	20	25	10/6*	160	168 629 119	168 629 319
50	32	32	40	25	25	10/6*	206	168 629 120	168 629 320
63	20	25	50	15	20	10/6*	84	168 629 125	168 629 325
63	25	32	50	20	25	10/6*	150	168 629 126	168 629 326
63	32	32	50	25	25	10/6*	184	168 629 127	168 629 327

d	D	D1	L	L1	L3	L4	H	H3	H4	H5	Lift = Hx	e	e1
[mm]	[mm]	[inch]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
20	68	1/8	117	96	162	12	104	71	25	16	7	1.9	1.9
25	96	1/8	133	108	162	16	131	72	25	16	10	2.3	1.9
25	96	1/8	133	108	162	16	131	72	25	16	10	2.3	2.3
32	96	1/8	142	120	162	19	135	76	25	16	10	2.9	1.9
32	96	1/8	142	120	162	19	135	76	25	16	10	2.9	2.3
32	96	1/8	145	120	160	19	143	93	25	16	13	2.9	2.9
40	96	1/8	149	128	180	23	151	101	25	16	13	3.7	1.9
50	96	1/8	160	134	180	27	148	90	25	16	10	4.6	1.9
50	96	1/8	160	134	180	28	156	106	25	16	13	4.6	2.3
50	96	1/8	160	134	180	28	156	106	25	16	13	4.6	2.9

table continued next page



d [mm]	D [mm]	D1 [inch]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	H3 [mm]	H4 [mm]	H5 [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]	
63	96	1/8	177	144	180	33	155	96	25	16	10	5.8	1.9	
63	96	1/8	177	144	180	35	163	113	25	16	13	5.8	2.3	
63	96	1/8	177	144	180	35	163	113	25	16	13	5.8	2.9	



PROGEF Natural Diaphragm valve DIASTAR Ten FO (Fail safe to open) With butt fusion spigots SDR11 metric

Model:

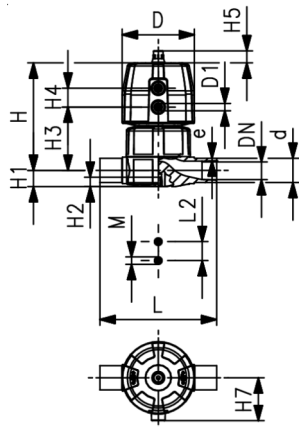
- Material: PP-R unpigmented
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

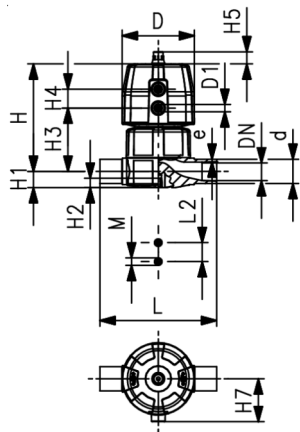
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE Code	
20	15	10/6*	125	168 645 112	168 645 132	
25	20	10/6*	271	168 645 113	168 645 133	
32	25	10/6*	481	168 645 114	168 645 134	
40	32	10/6*	759	168 645 115	168 645 135	
50	40	10/6*	1263	168 645 116	168 645 136	
63	50	10/5*	1728	168 645 117	168 645 137	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]	
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9	
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3	
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.9	
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	3.7	
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	4.6	
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	5.8	



PROGEF Natural **Diaphragm valve DIASTAR Ten** **DA (Double acting)** **With butt fusion spigots SDR11 metric**

Model:

- Material: PP-R unpigmented
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE Code	
20	15	10/6*	125	168 655 112	168 655 132	
25	20	10/6*	271	168 655 113	168 655 133	
32	25	10/6*	481	168 655 114	168 655 134	
40	32	10/6*	759	168 655 115	168 655 135	
50	40	10/6*	1263	168 655 116	168 655 136	
63	50	10/5*	1728	168 655 117	168 655 137	

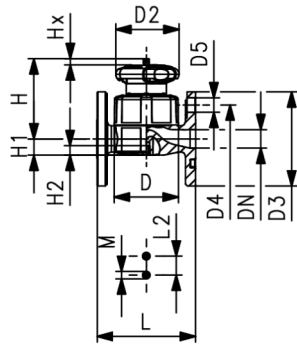
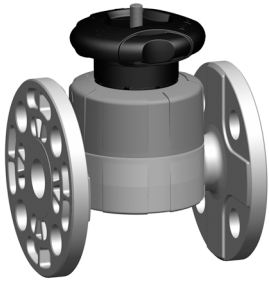
d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.9
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	3.7
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	4.6
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	5.8

Diaphragm valves new generation

PROGEF Plus oil free

Diaphragm valve type 517

With fixed flanges PP-H JIS



Model:

- Material: PP-H / oil free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

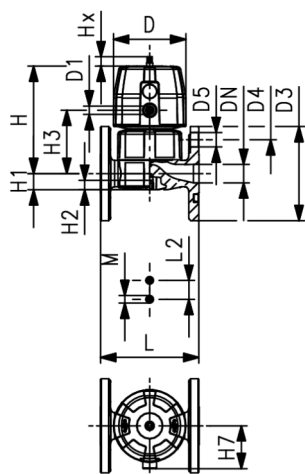
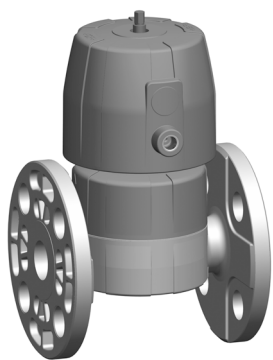
Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10	125	167 517 922	167 517 972	
3/4	20	10	271	167 517 923	167 517 973	
1	25	10	481	167 517 924	167 517 974	
1 1/4	32	10	759	167 517 925	167 517 975	
1 1/2	40	10	1263	167 517 926	167 517 976	
2	50	10	1728	167 517 927	167 517 977	

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
1/2	65	65	95	70	15	110	25	73	14	12	M6	7	
3/4	80	65	100	75	15	120	25	81	18	12	M6	10	
1	88	87	125	90	19	130	25	107	22	12	M6	13	
1 1/4	101	87	135	100	19	180	45	115	26	15	M8	15	
1 1/2	117	135	140	105	19	180	45	148	32	15	M8	19	
2	144	135	155	120	19	210	45	166	39	15	M8	25	

Diaphragm valves pneumatic

New generation

PROGEF Plus oil free Diaphragm valve DIASTAR Six FC (Fail safe to close) With fixed flanges PP-H JIS



Model:

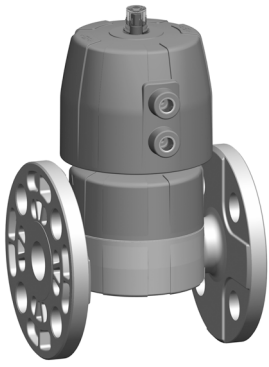
- Material: PP-H / oil free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code										
1/2	15	6	125	167 617 922										
3/4	20	6	271	167 617 923										
1	25	6	481	167 617 924										
1 1/4	32	6	759	167 617 925										
1 1/2	40	6	960	167 617 926										
2	50	6	1181	167 617 927										

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
1/2	68	1/8	95	70	15	110	25	101	14	12	60	43	M6	7	
3/4	96	1/8	100	75	15	120	25	132	18	12	73	57	M6	10	
1	96	1/8	125	90	19	130	25	143	22	12	84	69	M6	13	
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	69	M8	14	
1 1/2	120	1/8	140	105	19	180	45	193	32	15	119	69	M8	16	
2	120	1/8	155	120	19	210	45	205	39	15	132	69	M8	16	



PROGEF Plus oil free **Diaphragm valve DIASTAR Ten** **FC (Fail safe to close)** **With fixed flanges PP-H JIS**

Model:

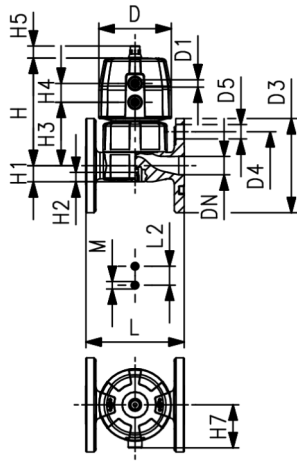
- Material: PP-H / oil free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

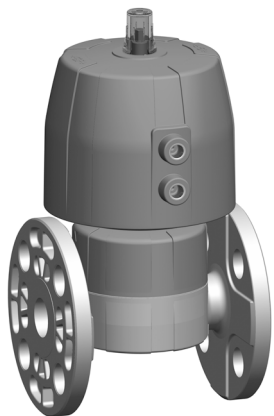
Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	167 627 922	167 627 972
3/4	20	10/10*	271	167 627 923	167 627 973
1	25	10/10*	481	167 627 924	167 627 974
1 1/4	32	10/10*	759	167 627 925	167 627 975
1 1/2	40	10/10*	1263	167 627 926	167 627 976
2	50	10/6*	1728	167 627 927	167 627 977

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	140	105	19	180	45	193	32	15	119	36	26	88	M8
2	150	1/4	155	120	19	210	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



PROGEF Plus oil free **Diaphragm valve DIASTAR Ten** **FO (Fail safe to open)** **With fixed flanges PP-H JIS**

Model:

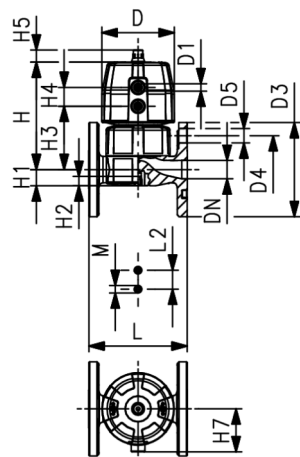
- Material: PP-H / oil free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

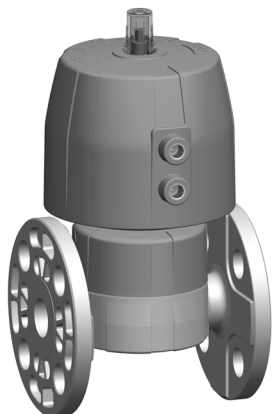
Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	167 647 922	167 647 972
3/4	20	10/10*	271	167 647 923	167 647 973
1	25	10/10*	481	167 647 924	167 647 974
1 1/4	32	10/10*	759	167 647 925	167 647 975
1 1/2	40	10/10*	1263	167 647 926	167 647 976
2	50	10/10*	1728	167 647 927	167 647 977

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	88	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	103	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



PROGEF Plus oil free **Diaphragm valve DIASTAR Ten** **DA (Double acting)** **With fixed flanges PP-H JIS**

Model:

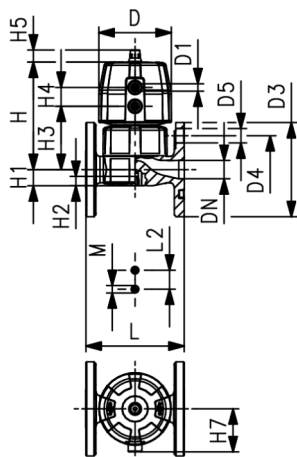
- Material: PP-H / oil free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

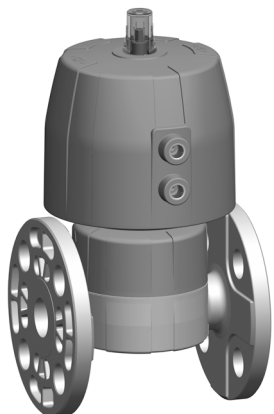
Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	167 657 922	167 657 972
3/4	20	10/10*	271	167 657 923	167 657 973
1	25	10/10*	481	167 657 924	167 657 974
1 1/4	32	10/10*	759	167 657 925	167 657 975
1 1/2	40	10/10*	1263	167 657 926	167 657 976
2	50	10/10*	1728	167 657 927	167 657 977

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	88	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	103	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



PROGEF Plus oil free **Diaphragm valve DIASTAR TenPlus** **FC (Fail safe to close) low pressure** **With fixed flanges PP-H JIS**

Model:

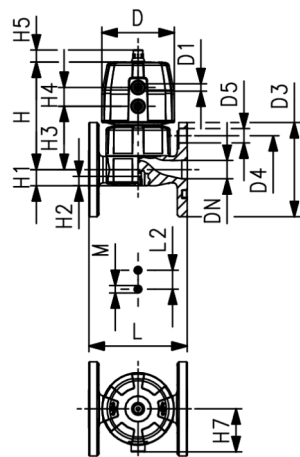
- Material: PP-H / oil free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/8*	125	167 687 922	167 687 972
3/4	20	10/8*	271	167 687 923	167 687 973
1	25	10/8*	481	167 687 924	167 687 974
1 1/4	32	10/8*	759	167 687 925	167 687 975
1 1/2	40	10/8*	1263	167 687 926	167 687 976
2	50	10/6*	1728	167 687 927	167 687 977

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	96	1/8	95	70	15	110	25	127	14	12	68	25	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	120	1/8	125	90	19	130	25	167	22	12	93	26	26	69	M6
1 1/4	150	1/4	135	100	19	180	45	196	26	15	101	36	26	88	M8
1 1/2	180	1/4	140	105	19	180	45	239	32	15	124	37	26	103	M8
2	180	1/4	155	120	19	210	45	251	39	15	137	37	26	103	M8

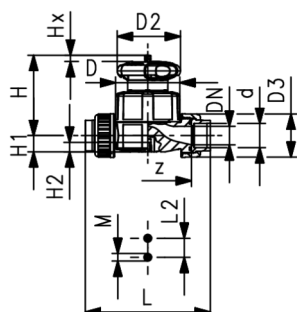
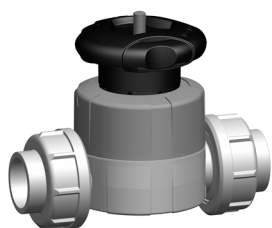
Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23

Diaphragm valves new generation

PROGEF Plus silicone free

Diaphragm valve type 514

With fusion sockets metric



Model:

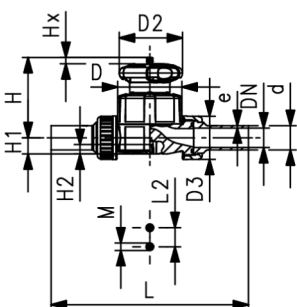
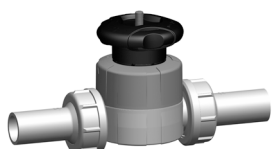
- Material: PP-H / silicone free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10	125	167 514 022	167 514 072	
25	20	10	271	167 514 023	167 514 073	
32	25	10	481	167 514 024	167 514 074	
40	32	10	759	167 514 025	167 514 075	
50	40	10	1263	167 514 026	167 514 076	
63	50	10	1728	167 514 027	167 514 077	

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
20	65	65	43	128	25	73	14	12	M6	100	7	
25	80	65	51	150	25	81	18	12	M6	118	10	
32	88	87	58	162	25	107	22	12	M6	126	13	
40	101	87	72	184	45	115	26	15	M8	144	15	
50	117	135	83	210	45	148	32	15	M8	164	19	
63	144	135	100	248	45	166	39	15	M8	194	25	



PROGEF Plus silicone free

Diaphragm valve type 514

With butt fusion spigots SDR11 metric

Model:

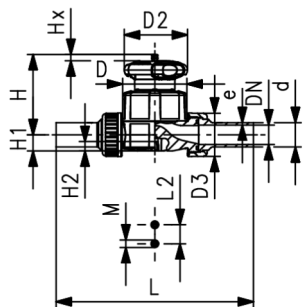
- Material: PP-H / silicone free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

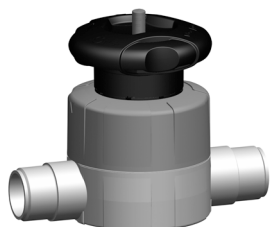
- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10	125	167 514 122	167 514 172	
25	20	10	271	167 514 123	167 514 173	
32	25	10	481	167 514 124	167 514 174	
40	32	10	759	167 514 125	167 514 175	
50	40	10	1263	167 514 126	167 514 176	
63	50	10	1728	167 514 127	167 514 177	

table continued next page



d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	43	196	25	73	14	12	M6	7	1.9	
25	80	65	51	221	25	81	18	12	M6	10	2.3	
32	88	87	58	234	25	107	22	12	M6	13	2.9	
40	101	87	72	260	45	115	26	15	M8	15	3.7	
50	117	135	83	284	45	148	32	15	M8	19	4.6	
63	144	135	100	321	45	166	39	15	M8	25	5.8	



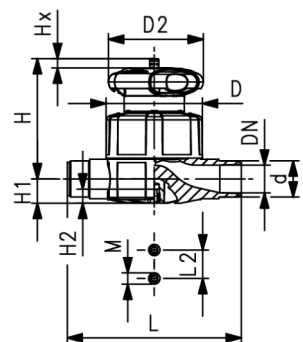
PROGEF Plus silicone free Diaphragm valve type 515 With socket fusion spigots metric

Model:

- Material: PP-H / silicone free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

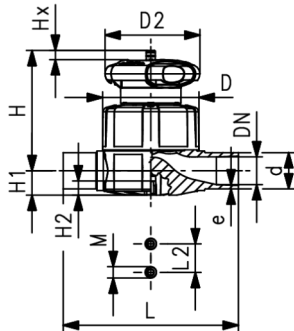
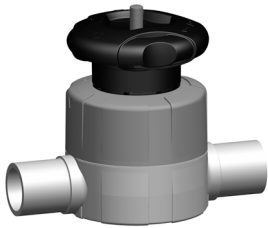
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10	125	167 515 022	167 515 072	
25	20	10	271	167 515 023	167 515 073	
32	25	10	481	167 515 024	167 515 074	
40	32	10	759	167 515 025	167 515 075	
50	40	10	1263	167 515 026	167 515 076	
63	50	10	1728	167 515 027	167 515 077	

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	124	25	73	14	12	M6	7	1.9	
25	80	65	144	25	81	18	12	M6	10	2.3	
32	88	87	154	25	107	22	12	M6	13	2.9	
40	101	87	174	45	115	26	15	M8	15	3.7	
50	117	135	194	45	148	32	15	M8	19	4.6	
63	144	135	223	45	166	39	15	M8	25	5.8	



PROGEF Plus silicone free Diaphragm valve type 515 With butt fusion spigots SDR11 metric

Model:

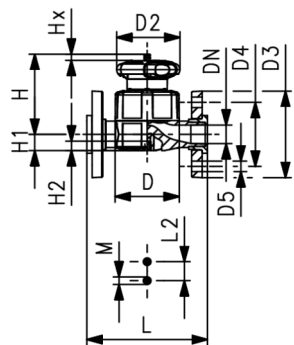
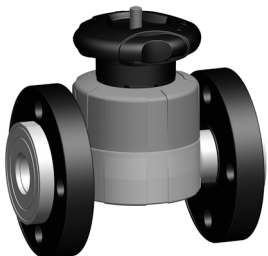
- Material: PP-H / silicone free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	167 515 122	167 515 172
25	20	10	271	167 515 123	167 515 173
32	25	10	481	167 515 124	167 515 174
40	32	10	759	167 515 125	167 515 175
50	40	10	1263	167 515 126	167 515 176
63	50	10	1728	167 515 127	167 515 177

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]
20	65	65	124	25	73	14	12	M6	7	1.9
25	80	65	144	25	81	18	12	M6	10	2.3
32	88	87	155	25	107	22	12	M6	13	2.9
40	101	87	176	45	115	26	15	M8	15	3.7
50	117	135	193	45	148	32	15	M8	19	4.6
63	144	135	223	45	166	39	15	M8	25	5.8



PROGEF Plus silicone free Diaphragm valve type 517 With backing flanges PP-V metric/BS

Model:

- Material: PP-H / silicone free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10
- Flat sealing faces/serrated

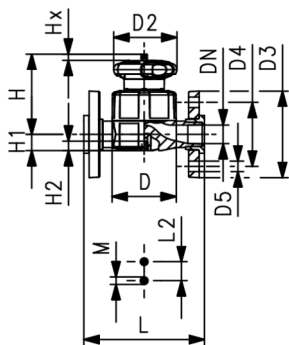
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

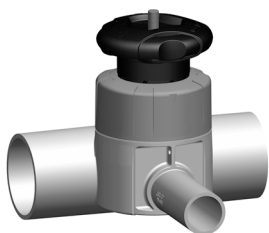
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	167 517 122	167 517 172
25	20	10	271	167 517 123	167 517 173
32	25	10	481	167 517 124	167 517 174
40	32	10	759	167 517 125	167 517 175
50	40	10	1263	167 517 126	167 517 176
63	50	10	1728	167 517 127	167 517 177

d [mm]	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
20	65	65	95	65	14	130	25	73	14	12	M6	7
25	80	65	105	75	14	150	25	81	18	12	M6	10
32	88	87	115	85	14	160	25	107	22	12	M6	13

table continued next page



d [mm]	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
40	101	87	140	100	18	180	45	115	26	15	M8	15	
50	117	135	150	110	18	200	45	148	32	15	M8	19	
63	144	135	165	125	18	230	45	166	39	15	M8	25	



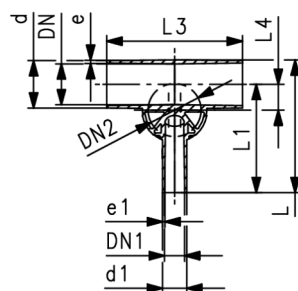
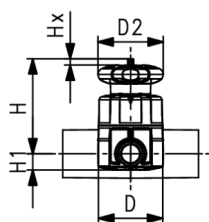
PROGEF Plus silicone free Diaphragm valve type 519 With butt fusion spigots SDR11 metric

Model:

- Material: PP-H / silicone free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Smallest possible dead space

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	d1 [mm]	Valve Size d [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	20		20	15	15	15	10	57	167 519 201	167 519 701
25	20		25	20	15	20	10	89	167 519 203	167 519 703
25	25		25	20	20	20	10	118	167 519 204	167 519 704
32	20		25	25	15	20	10	80	167 519 207	167 519 707
32	25		25	25	20	20	10	105	167 519 208	167 519 708
32	32		32	25	25	25	10	231	167 519 209	167 519 709
40	20		32	32	15	25	10	85	167 519 212	167 519 712
50	20		25	40	15	20	10	86	167 519 218	167 519 718
50	25		32	40	20	25	10	160	167 519 219	167 519 719
50	32		32	40	25	25	10	206	167 519 220	167 519 720
63	20		25	50	15	20	10	84	167 519 225	167 519 725
63	25		32	50	20	25	10	150	167 519 226	167 519 726
63	32		32	50	25	25	10	184	167 519 227	167 519 727

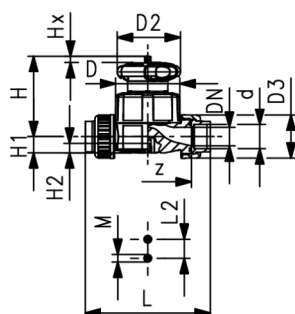
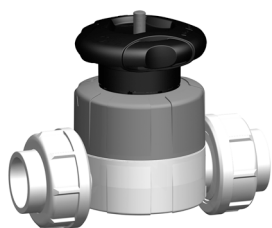
d [mm]	D [mm]	D2 [mm]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]	
20	65	65	117	96	162	12	75	7	1.9	1.9	
25	80	65	133	108	162	16	80	10	2.3	1.9	
25	80	65	133	108	162	16	80	10	2.3	2.3	
32	80	65	142	120	162	19	84	10	2.9	1.9	
32	80	65	142	120	162	19	84	10	2.9	2.3	
32	88	87	145	120	160	19	107	13	2.9	2.9	
40	88	87	149	128	180	23	115	13	3.7	1.9	
50	80	65	160	134	180	27	97	10	4.6	1.9	
50	88	87	160	134	180	28	120	13	4.6	2.3	
50	88	87	160	134	180	28	120	13	4.6	2.9	
63	80	65	177	144	180	33	104	10	5.8	1.9	
63	88	87	177	144	180	35	127	13	5.8	2.3	
63	88	87	177	144	180	35	127	13	5.8	2.9	

Diaphragm valves new generation

SYGEF Standard

Diaphragm valve type 514

With fusion sockets metric



Model:

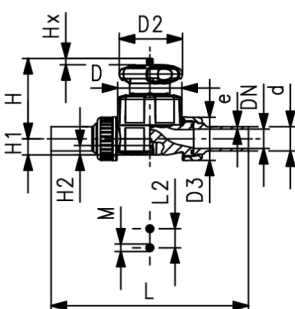
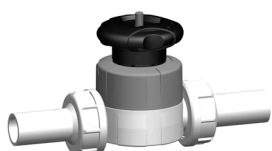
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code	
20	15	10	125	185 514 032	185 514 052	
25	20	10	271	185 514 033	185 514 053	
32	25	10	481	185 514 034	185 514 054	
40	32	10	759	185 514 035	185 514 055	
50	40	10	1263	185 514 036	185 514 056	
63	50	10	1728	185 514 037	185 514 057	

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
20	65	65	43	128	25	73	14	12	M6	100	7	
25	80	65	53	150	25	81	18	12	M6	118	10	
32	88	87	60	162	25	107	22	12	M6	126	13	
40	101	87	74	184	45	115	26	15	M8	144	15	
50	117	135	82	210	45	148	32	15	M8	164	19	
63	144	135	100	248	45	166	39	15	M8	194	25	



SYGEF Standard

Diaphragm valve type 514

With butt fusion spigots metric

Model:

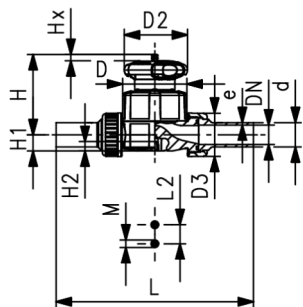
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

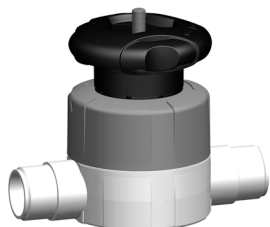
- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code	
20	15	10	125	185 514 132	185 514 152	
25	20	10	271	185 514 133	185 514 153	
32	25	10	481	185 514 134	185 514 154	
40	32	10	759	185 514 135	185 514 155	
50	40	10	1263	185 514 136	185 514 156	
63	50	10	1728	185 514 137	185 514 157	

table continued next page



d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	43	196	25	73	14	12	M6	7	1.9	
25	80	65	53	221	25	81	18	12	M6	10	1.9	
32	88	87	60	234	25	107	22	12	M6	13	2.4	
40	101	87	74	260	45	115	26	15	M8	15	2.4	
50	117	135	82	284	45	148	32	15	M8	19	3.0	
63	144	135	100	321	45	166	39	15	M8	25	3.0	



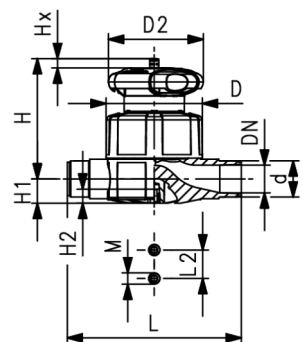
SYGEF Standard Diaphragm valve type 515 With socket fusion spigots metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

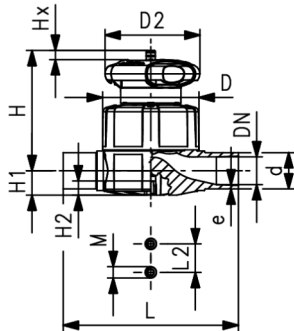
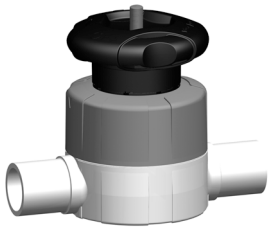
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code	
20	15	10	125	185 515 032	185 515 052	
25	20	10	271	185 515 033	185 515 053	
32	25	10	481	185 515 034	185 515 054	
40	32	10	759	185 515 035	185 515 055	
50	40	10	1263	185 515 036	185 515 056	
63	50	10	1728	185 515 037	185 515 057	

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
20	65	65	124	25	73	14	12	M6	7	
25	80	65	144	25	81	18	12	M6	10	
32	88	87	154	25	107	22	12	M6	13	
40	101	87	174	45	115	26	15	M8	15	
50	117	135	194	45	148	32	15	M8	19	
63	144	135	223	45	166	39	15	M8	25	



SYGEF Standard Diaphragm valve type 515 With butt fusion spigots metric

Model:

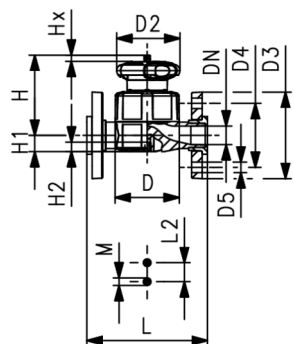
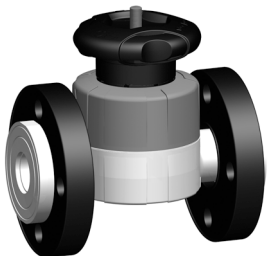
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10	125	185 515 132	185 515 152
25	20	10	271	185 515 133	185 515 153
32	25	10	481	185 515 134	185 515 154
40	32	10	759	185 515 135	185 515 155
50	40	10	1263	185 515 136	185 515 156
63	50	10	1728	185 515 137	185 515 157

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]
20	65	65	124	25	73	14	12	M6	7	1.9
25	80	65	144	25	81	18	12	M6	10	1.9
32	88	87	155	25	107	22	12	M6	13	2.4
40	101	87	176	45	115	26	15	M8	15	2.4
50	117	135	193	45	148	32	15	M8	19	3.0
63	144	135	223	45	166	39	15	M8	25	3.0



SYGEF Standard Diaphragm valve type 517 With backing flanges PP-V metric/BS

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Flat sealing faces/serrated
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

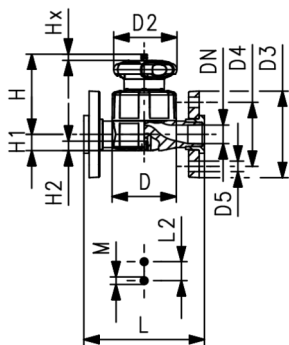
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

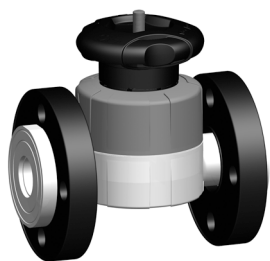
Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
1/2	15	10	125	185 517 132	185 517 152
3/4	20	10	271	185 517 133	185 517 153
1	25	10	481	185 517 134	185 517 154
1 1/4	32	10	759	185 517 135	185 517 155
1 1/2	40	10	1263	185 517 136	185 517 156
2	50	10	1728	185 517 137	185 517 157

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
1/2	65	65	95	65	14	130	25	73	14	12	M6	7
3/4	80	65	105	75	14	150	25	81	18	12	M6	10
1	88	87	115	85	14	160	25	107	22	12	M6	13

table continued next page



Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
1 ¼	101	87	140	100	18	180	45	115	26	15	M8	15
1 ½	117	135	150	110	18	200	45	148	32	15	M8	19
2	144	135	165	125	18	230	45	166	39	15	M8	25



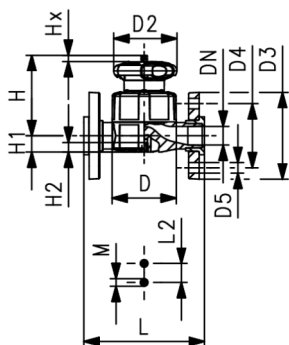
SYGEF Standard Diaphragm valve type 517 With backing flanges PP-V Inch ANSI

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Flat sealing faces/serrated
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
½	15	10	125	185 517 732	185 517 752
¾	20	10	271	185 517 733	185 517 753
1	25	10	481	185 517 734	185 517 754
1 ¼	32	10	759	185 517 735	185 517 755
1 ½	40	10	1263	185 517 736	185 517 756
2	50	10	1728	185 517 737	185 517 757

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
½	65	65	95	60	16	130	25	73	14	12	M6	7
¾	80	65	105	70	16	150	25	81	18	12	M6	10
1	88	87	115	79	16	160	25	107	22	12	M6	13
1 ¼	101	87	140	89	16	180	45	115	26	15	M8	15
1 ½	117	135	150	98	16	200	45	148	32	15	M8	19
2	144	135	165	121	19	230	45	166	39	15	M8	25

Diaphragm valves pneumatic

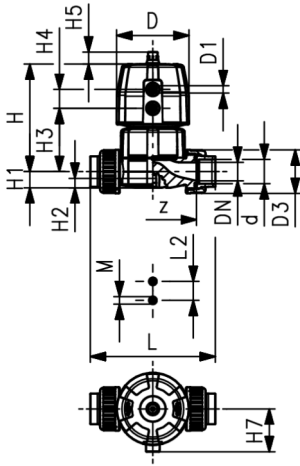
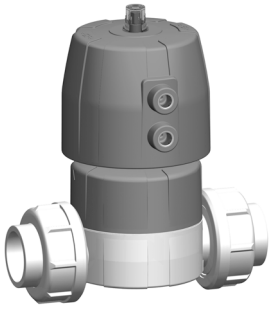
New generation

SYGEF Standard

Diaphragm valve DIASTAR Ten

FC (Fail safe to close)

Unions with fusion sockets metric



Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

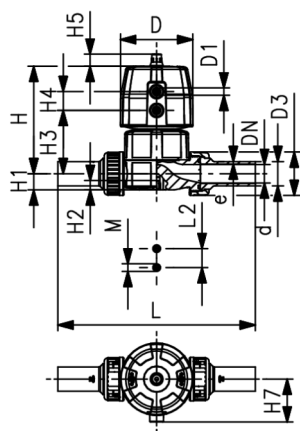
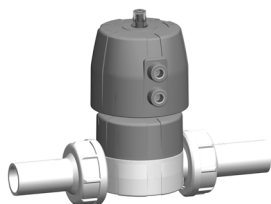
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 624 032	185 624 052
25	20	10/10*	271	185 624 033	185 624 053
32	25	10/10*	481	185 624 034	185 624 054
40	32	10/10*	759	185 624 035	185 624 055
50	40	10/10*	1263	185 624 036	185 624 056
63	50	10/6*	1728	185 624 037	185 624 057

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	100	7
25	96	1/8	150	25	132	18	12	73	25	16	57	M6	118	10
32	96	1/8	162	25	143	22	12	84	25	16	57	M6	126	13
40	120	1/8	184	45	173	26	15	99	26	26	69	M8	144	15
50	150	1/4	210	45	214	32	15	119	36	26	88	M8	164	19
63	150	1/4	248	45	226	39	15	132	36	26	88	M8	194	23



SYGEF Standard

Diaphragm valve DIASTAR Ten

FC (Fail safe to close)

Unions with butt fusion spigots metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

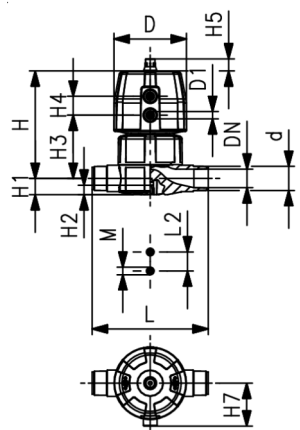
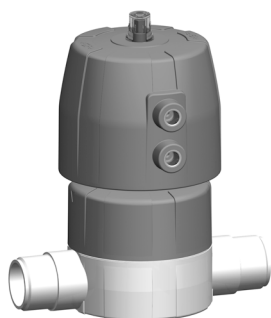
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 624 132	185 624 152
25	20	10/10*	271	185 624 133	185 624 153
32	25	10/10*	481	185 624 134	185 624 154
40	32	10/10*	759	185 624 135	185 624 155
50	40	10/10*	1263	185 624 136	185 624 156
63	50	10/6*	1728	185 624 137	185 624 157

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	284	45	214	32	15	119	36	26	88	M8	19	3.0
63	150	1/4	321	45	226	39	15	132	36	26	88	M8	23	3.0



SYGEF Standard

Diaphragm valve DIASTAR Ten

FC (Fail safe to close)

With socket fusion spigots metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

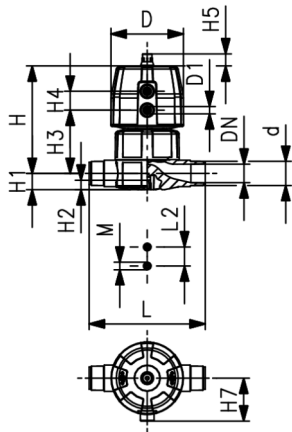
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

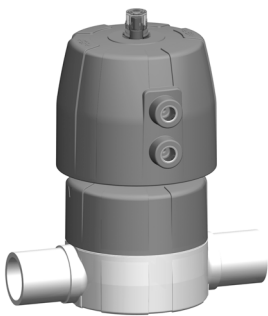
Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 625 032	185 625 052
25	20	10/10*	271	185 625 033	185 625 053
32	25	10/10*	481	185 625 034	185 625 054
40	32	10/10*	759	185 625 035	185 625 055
50	40	10/10*	1263	185 625 036	185 625 056
63	50	10/6*	1728	185 625 037	185 625 057

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	



SYGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) With butt fusion spigots metric

Model:

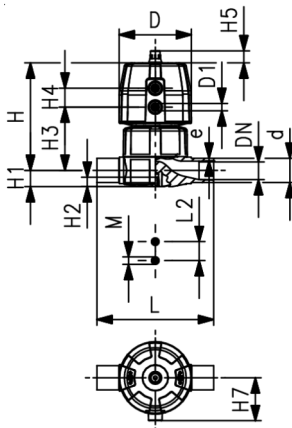
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

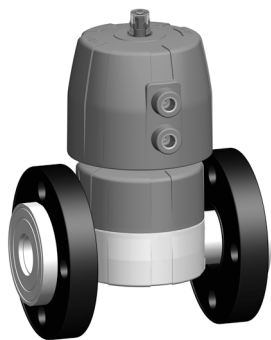
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code	
20	15	10/10*	125	185 625 132	185 625 152	
25	20	10/10*	271	185 625 133	185 625 153	
32	25	10/10*	481	185 625 134	185 625 154	
40	32	10/10*	759	185 625 135	185 625 155	
50	40	10/10*	1263	185 625 136	185 625 156	
63	50	10/6*	1728	185 625 137	185 625 157	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]	
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9	
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9	
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.4	
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	2.4	
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	3.0	
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	3.0	



SYGEF Standard

Diaphragm valve DIASTAR Ten

FC (Fail safe to close)

With backing flanges PP-V metric/BS

Model:

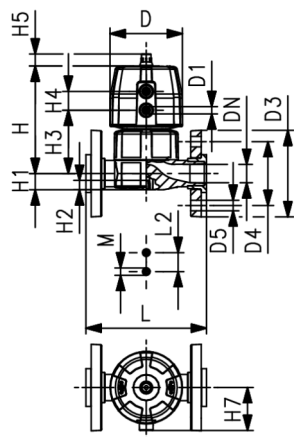
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

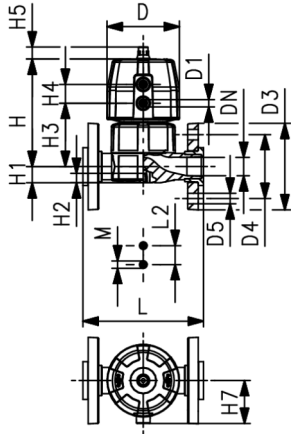
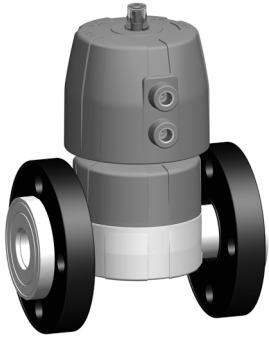
Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 627 132	185 627 152
25	20	10/10*	271	185 627 133	185 627 153
32	25	10/10*	481	185 627 134	185 627 154
40	32	10/10*	759	185 627 135	185 627 155
50	40	10/10*	1263	185 627 136	185 627 156
63	50	10/6*	1728	185 627 137	185 627 157

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	69	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	193	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	205	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



SYGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) With backing flanges PP-V Inch ANSI

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

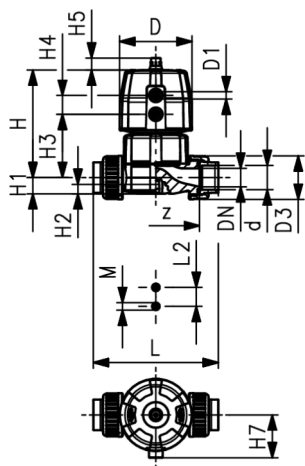
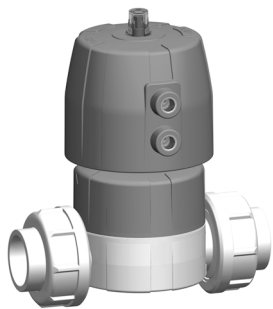
* PN: PTFE

Working Pressure: **one side**

Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
1/2	15	10/10*	125	185 627 732	185 627 752
3/4	20	10/10*	271	185 627 733	185 627 753
1	25	10/10*	481	185 627 734	185 627 754
1 1/4	32	10/10*	759	185 627 735	185 627 755
1 1/2	40	10/10*	1263	185 627 736	185 627 756
2	50	10/6*	1728	185 627 737	185 627 757

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	60	16	130	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	1/8	115	79	16	160	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	140	89	16	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	150	98	16	200	45	193	32	15	119	36	26	88	M8
2	150	1/4	165	121	19	230	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



SYGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) Unions with fusion sockets metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

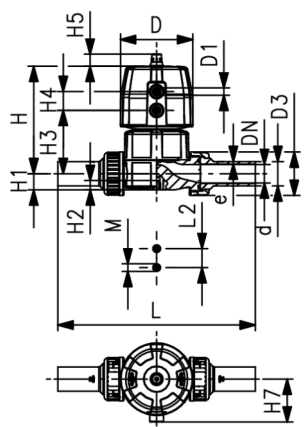
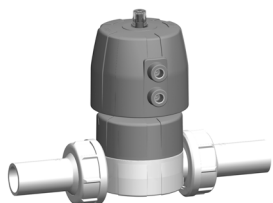
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 644 032	185 644 052
25	20	10/10*	271	185 644 033	185 644 053
32	25	10/10*	481	185 644 034	185 644 054
40	32	10/10*	759	185 644 035	185 644 055
50	40	10/10*	1263	185 644 036	185 644 056
63	50	10/10*	1728	185 644 037	185 644 057

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	100	7
25	96	1/8	150	25	132	18	12	73	25	16	57	M6	118	10
32	96	1/8	162	25	143	22	12	84	25	16	57	M6	126	13
40	120	1/8	184	45	173	26	15	99	26	26	69	M8	144	15
50	150	1/4	210	45	214	32	15	119	36	26	88	M8	164	19
63	150	1/4	248	45	226	39	15	132	36	26	88	M8	194	23



SYGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) Unions with butt fusion spigots metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

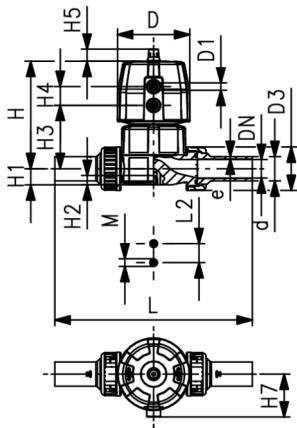
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

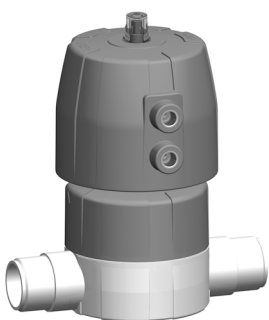
Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 644 132	185 644 152
25	20	10/10*	271	185 644 133	185 644 153
32	25	10/10*	481	185 644 134	185 644 154
40	32	10/10*	759	185 644 135	185 644 155
50	40	10/10*	1263	185 644 136	185 644 156
63	50	10/10*	1728	185 644 137	185 644 157

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	284	45	214	32	15	119	36	26	69	M8	19	3.0
63	150	1/4	321	45	226	39	15	132	36	26	69	M8	23	3.0



SYGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) With socket fusion spigots metric

Model:

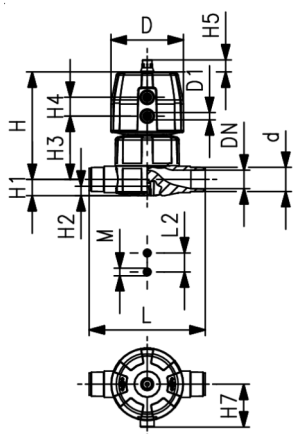
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

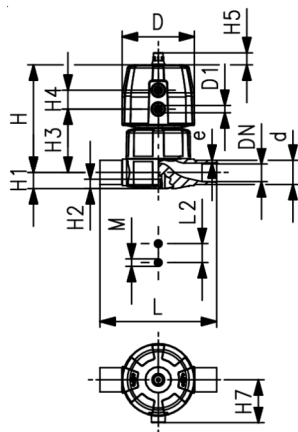
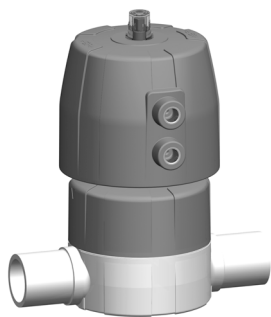
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 645 032	185 645 052
25	20	10/10*	271	185 645 033	185 645 053
32	25	10/10*	481	185 645 034	185 645 054
40	32	10/10*	759	185 645 035	185 645 055
50	40	10/10*	1263	185 645 036	185 645 056
63	50	10/10*	1728	185 645 037	185 645 057

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



SYGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) With butt fusion spigots metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

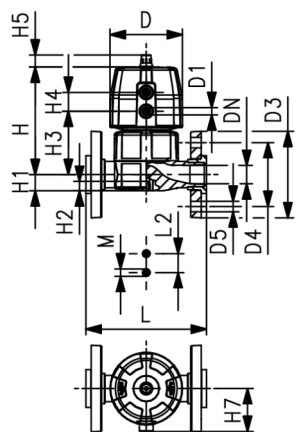
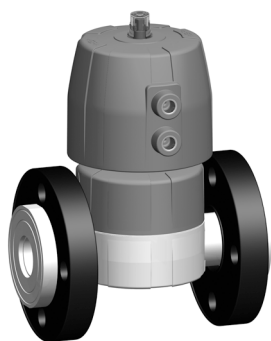
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 645 132	185 645 152
25	20	10/10*	271	185 645 133	185 645 153
32	25	10/10*	481	185 645 134	185 645 154
40	32	10/10*	759	185 645 135	185 645 155
50	40	10/10*	1263	185 645 136	185 645 156
63	50	10/10*	1728	185 645 137	185 645 157

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	3.0
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	3.0



SYGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) With backing flanges PP-V metric/BS

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

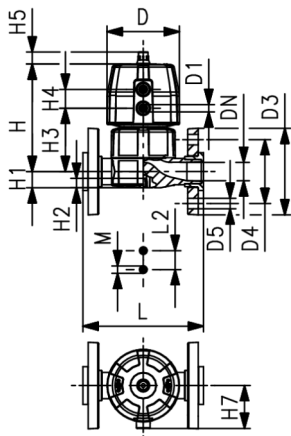
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

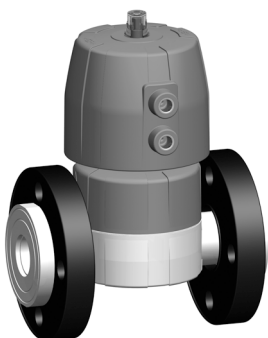
d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 647 132	185 647 152
25	20	10/10*	271	185 647 133	185 647 153
32	25	10/10*	481	185 647 134	185 647 154
40	32	10/10*	759	185 647 135	185 647 155
50	40	10/10*	1263	185 647 136	185 647 156
63	50	10/10*	1728	185 647 137	185 647 157

table continued next page



d	D	D1_G	D3	D4	D5	L	L2	H	H1	H2	H3	H4	H5	H7	M
[mm]	[mm]	[inch]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	57	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	69	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	88	M8
50	150	1/4	150	110	18	200	45	214	32	15	119	36	26	103	M8
63	150	1/4	165	125	18	230	45	226	39	15	132	36	26	103	M8

d	Lift = Hx	
[mm]	[mm]	
20	7	
25	10	
32	13	
40	15	
50	19	
63	23	



SYGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) With backing flanges PP-V Inch ANSI

Model:

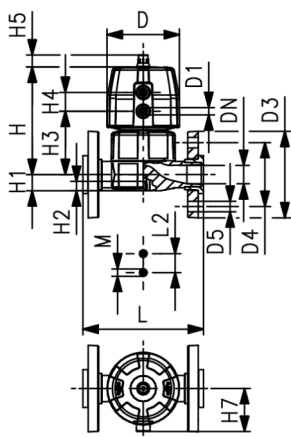
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

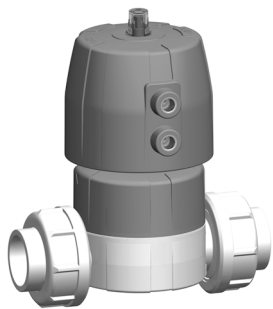
Working Pressure: **one side**



Inch	DN	PN*	kv-value	PTFE/EPDM	PTFE/FPM	
	[mm]	[bar]	(Δp=1 bar)	Code	Code	
			[l/min]			
1/2	15	10/10*	125	185 647 732	185 647 752	
3/4	20	10/10*	271	185 647 733	185 647 753	
1	25	10/10*	481	185 647 734	185 647 754	
1 1/4	32	10/10*	759	185 647 735	185 647 755	
1 1/2	40	10/10*	1263	185 647 736	185 647 756	
2	50	10/10*	1728	185 647 737	185 647 757	

Inch	D	D1_G	D3	D4	D5	L	L2	H	H1	H2	H3	H4	H5	H7	M
	[mm]	[inch]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
1/2	68	1/8	95	60	16	130	25	101	14	12	60	24	16	57	M6
3/4	96	1/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	1/8	115	79	16	160	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	140	89	16	180	45	173	26	15	99	26	26	88	M8
1 1/2	150	1/4	150	98	16	200	45	214	32	15	119	36	26	103	M8
2	150	1/4	165	121	19	230	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx	
	[mm]	
1/2	7	
3/4	10	
1	13	
1 1/4	15	
1 1/2	19	
2	23	



SYGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) Unions with fusion sockets metric

Model:

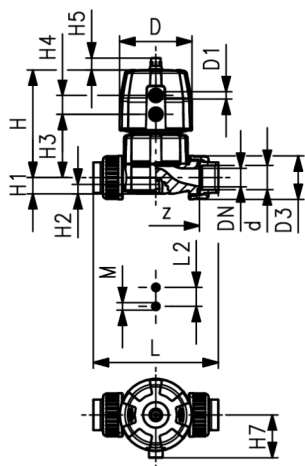
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

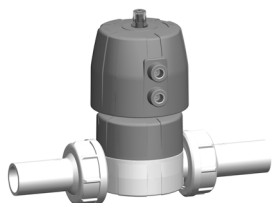
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 654 032	185 654 052
25	20	10/10*	271	185 654 033	185 654 053
32	25	10/10*	481	185 654 034	185 654 054
40	32	10/10*	759	185 654 035	185 654 055
50	40	10/10*	1263	185 654 036	185 654 056
63	50	10/10*	1728	185 654 037	185 654 057

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	100	7
25	96	1/8	150	25	132	18	12	73	25	16	57	M6	118	10
32	96	1/8	162	25	143	22	12	84	25	16	57	M6	126	13
40	120	1/8	184	45	173	26	15	99	26	26	69	M8	144	15
50	150	1/4	210	45	214	32	15	119	36	26	88	M8	164	19
63	150	1/4	248	45	226	39	15	132	36	26	88	M8	194	23



SYGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) Unions with butt fusion spigots metric

Model:

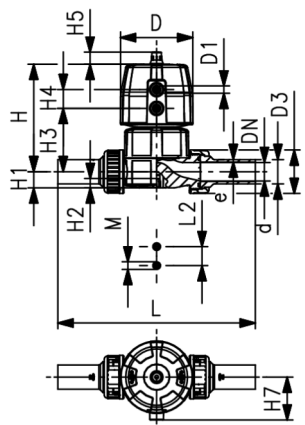
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

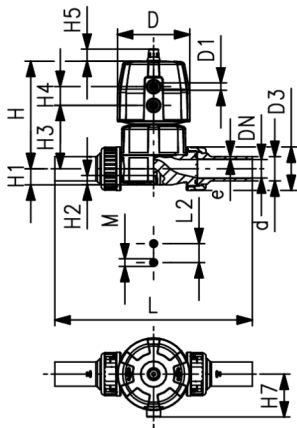
* PN: PTFE

Working Pressure: **one side**

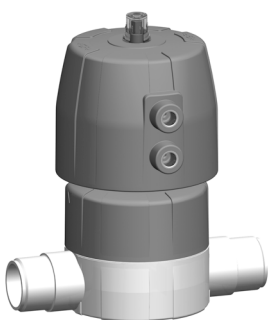


d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 654 132	185 654 152
25	20	10/10*	271	185 654 133	185 654 153
32	25	10/10*	481	185 654 134	185 654 154
40	32	10/10*	759	185 654 135	185 654 155
50	40	10/10*	1263	185 654 136	185 654 156
63	50	10/10*	1728	185 654 137	185 654 157

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	284	45	214	32	15	119	36	26	69	M8	19	3.0
63	150	1/4	321	45	226	39	15	132	36	26	69	M8	23	3.0



SYGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) With socket fusion spigots metric

Model:

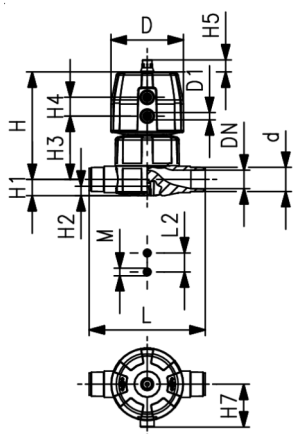
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

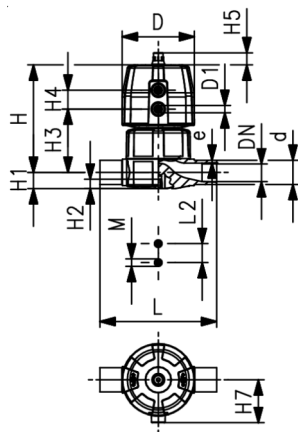
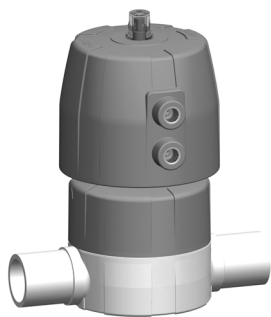
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 655 032	185 655 052
25	20	10/10*	271	185 655 033	185 655 053
32	25	10/10*	481	185 655 034	185 655 054
40	32	10/10*	759	185 655 035	185 655 055
50	40	10/10*	1263	185 655 036	185 655 056
63	50	10/10*	1728	185 655 037	185 655 057

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



SYGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) With butt fusion spigots metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

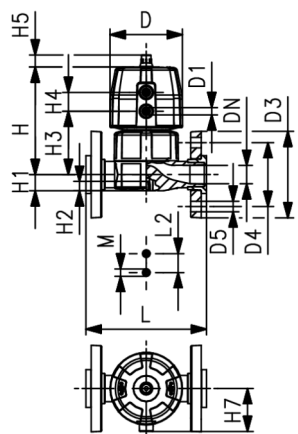
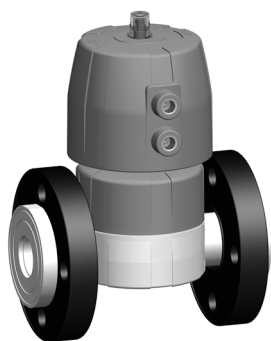
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 655 132	185 655 152
25	20	10/10*	271	185 655 133	185 655 153
32	25	10/10*	481	185 655 134	185 655 154
40	32	10/10*	759	185 655 135	185 655 155
50	40	10/10*	1263	185 655 136	185 655 156
63	50	10/10*	1728	185 655 137	185 655 157

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	3.0
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	3.0



SYGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) With backing flanges PP-V metric/BS

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

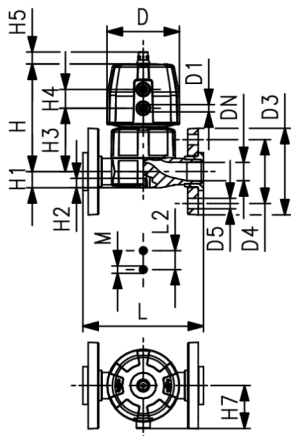
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

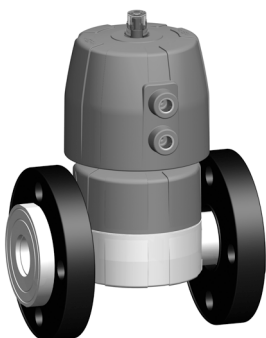
Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 657 132	185 657 152
25	20	10/10*	271	185 657 133	185 657 153
32	25	10/10*	481	185 657 134	185 657 154
40	32	10/10*	759	185 657 135	185 657 155
50	40	10/10*	1263	185 657 136	185 657 156
63	50	10/10*	1728	185 657 137	185 657 157

table continued next page



d [mm]	Lift = Hx [mm]	
20	7	
25	10	
32	13	
40	15	
50	19	
63	23	



Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

Inch	D	D1_G	D3	D4	D5	L	L2	H	H1	H2	H3	H4	H5	H7	M
	[mm]	[inch]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
½	68	⅞	95	60	16	130	25	101	14	12	60	24	16	57	M6
¾	96	⅞	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	⅞	115	79	16	160	25	143	22	12	84	25	16	69	M6
1 ¼	120	⅞	140	89	16	180	45	173	26	15	99	26	26	88	M8
1 ½	150	⅞	150	98	16	200	45	214	32	15	119	36	26	103	M8
2	150	⅞	165	121	19	230	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]	
½	7	
¾	10	
1	13	
1 ¼	15	
1 ½	19	
2	23	



SYGEF Standard Diaphragm valve DIASTAR TenPlus FC (Fail safe to close) Unions with fusion sockets metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

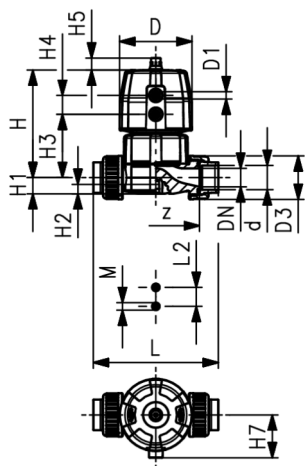
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

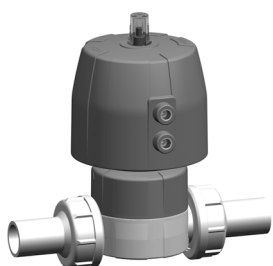
Working Pressure: **both sides**

* PN: PTFE



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 684 032	185 684 052
25	20	10/10*	271	185 684 033	185 684 053
32	25	10/10*	481	185 684 034	185 684 054
40	32	10/10*	759	185 684 035	185 684 055
50	40	10/10*	1263	185 684 036	185 684 056
63	50	10/10*	1728	185 684 037	185 684 057

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	96	1/8	128	25	127	14	12	68	25	16	57	M6	100	7
25	96	1/8	150	25	132	18	12	73	25	16	57	M6	118	10
32	120	1/8	162	25	167	22	12	93	26	26	69	M6	126	13
40	150	1/4	184	45	196	26	15	101	36	26	88	M8	144	15
50	180	1/4	210	45	239	32	15	124	37	26	103	M8	164	19
63	180	1/4	248	45	251	39	15	137	37	26	103	M8	194	23



SYGEF Standard Diaphragm valve DIASTAR TenPlus FC (Fail safe to close) Unions with butt fusion spigots metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

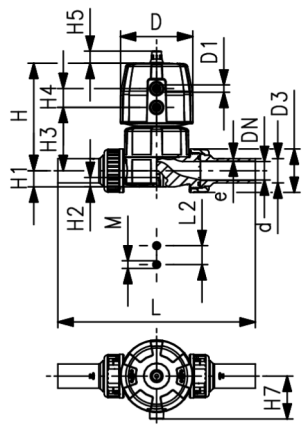
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

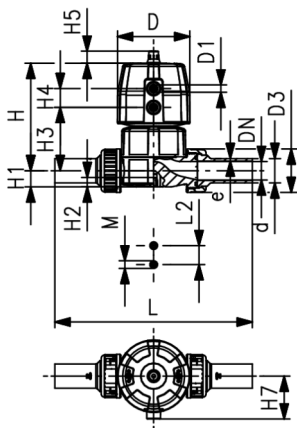
Working Pressure: **both sides**

* PN: PTFE



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 684 132	185 684 152
25	20	10/10*	271	185 684 133	185 684 153
32	25	10/10*	481	185 684 134	185 684 154

table continued next page



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code	
40	32	10/10*	759	185 684 135	185 684 155	
50	40	10/10*	1263	185 684 136	185 684 156	
63	50	10/10*	1728	185 684 137	185 684 157	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	96	1/8	196	25	127	14	12	68	25	16	57	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	1.9
32	120	1/8	234	25	167	22	12	93	26	26	69	M6	13	2.4
40	150	1/4	260	45	196	26	15	101	36	26	88	M8	15	2.4
50	180	1/4	284	45	239	32	15	124	37	26	103	M8	19	3.0
63	180	1/4	321	45	251	39	15	137	37	26	103	M8	23	3.0



SYGEF Standard Diaphragm valve DIASTAR TenPlus FC (Fail safe to close) With socket fusion spigots metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

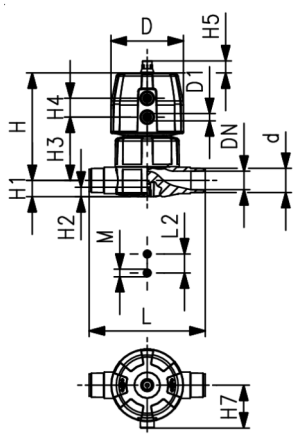
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

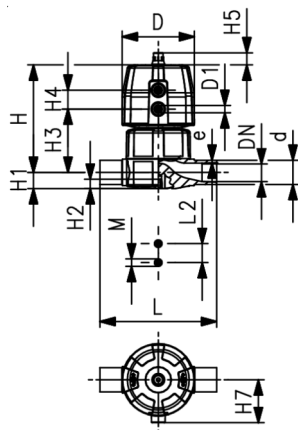
Working Pressure: **both sides**

* PN: PTFE



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code	
20	15	10/10*	125	185 685 032	185 685 052	
25	20	10/10*	271	185 685 033	185 685 053	
32	25	10/10*	481	185 685 034	185 685 054	
40	32	10/10*	759	185 685 035	185 685 055	
50	40	10/10*	1263	185 685 036	185 685 056	
63	50	10/10*	1728	185 685 037	185 685 057	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23



SYGEF Standard

Diaphragm valve DIASTAR TenPlus

FC (Fail safe to close)

With butt fusion spigots metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

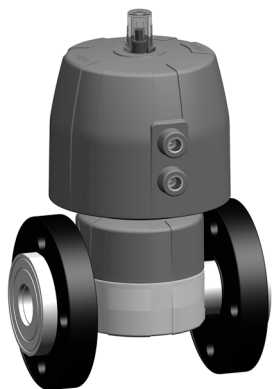
* PN: PTFE

Working Pressure: **both sides**

* PN: PTFE

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 685 132	185 685 152
25	20	10/10*	271	185 685 133	185 685 153
32	25	10/10*	481	185 685 134	185 685 154
40	32	10/10*	759	185 685 135	185 685 155
50	40	10/10*	1263	185 685 136	185 685 156
63	50	10/10*	1728	185 685 137	185 685 157

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13	2.4
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15	2.4
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19	3.0
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23	3.0



SYGEF Standard

Diaphragm valve DIASTAR TenPlus

FC (Fail safe to close)

With backing flanges PP-V metric/BS

Model:

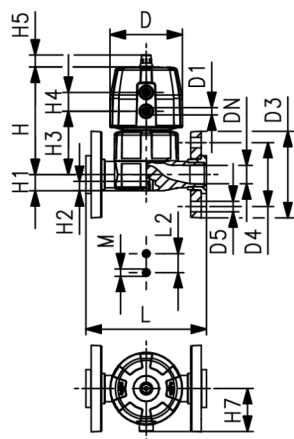
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

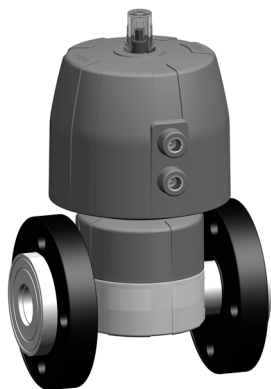
Working Pressure: **both sides**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 687 132	185 687 152
25	20	10/10*	271	185 687 133	185 687 153
32	25	10/10*	481	185 687 134	185 687 154
40	32	10/10*	759	185 687 135	185 687 155
50	40	10/10*	1263	185 687 136	185 687 156
63	50	10/10*	1728	185 687 137	185 687 157

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	96	1/8	95	65	14	130	25	127	14	12	68	25	16	57	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	120	1/8	115	85	14	160	25	167	22	12	93	26	26	69	M6
40	150	1/4	140	100	18	180	45	196	26	15	101	36	26	88	M8
50	180	1/4	150	110	18	200	45	239	32	15	124	37	26	103	M8
63	180	1/4	165	125	18	230	45	251	39	15	137	37	26	103	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



SYGEF Standard

Diaphragm valve DIASTAR TenPlus

FC (Fail safe to close)

With backing flanges PP-V Inch ANSI

Model:

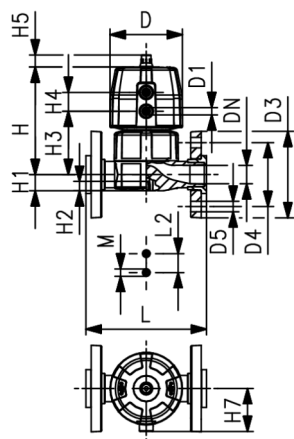
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
1/2	15	10/10*	125	185 687 732	185 687 752
3/4	20	10/10*	271	185 687 733	185 687 753
1	25	10/10*	481	185 687 734	185 687 754
1 1/4	32	10/10*	759	185 687 735	185 687 755
1 1/2	40	10/10*	1263	185 687 736	185 687 756
2	50	10/10*	1728	185 687 737	185 687 757

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	96	1/8	95	60	16	130	25	127	14	12	68	25	16	57	M6
3/4	96	1/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	120	1/8	115	79	16	160	25	167	22	12	93	26	26	69	M6
1 1/4	150	1/4	140	89	16	180	45	196	26	15	101	36	26	88	M8
1 1/2	180	1/4	150	98	16	200	45	239	32	15	124	37	26	103	M8
2	180	1/4	165	121	19	230	45	251	39	15	137	37	26	103	M8

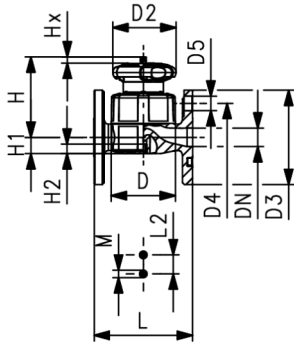
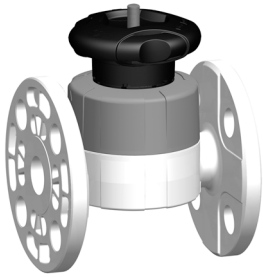
Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23

Diaphragm valves new generation

SYGEF Standard

Diaphragm valve type 517

With fixed flanges PVDF JIS



Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
1/2	15	10	125	185 517 932
3/4	20	10	271	185 517 933
1	25	10	481	185 517 934
1 1/4	32	10	759	185 517 935
1 1/2	40	10	1263	185 517 936
2	50	10	1728	185 517 937

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
1/2	65	65	95	70	15	110	25	73	14	12	M6	7
3/4	80	65	100	75	15	120	25	81	18	12	M6	10
1	88	87	125	90	19	130	25	107	22	12	M6	13
1 1/4	101	87	135	100	19	180	45	115	26	15	M8	15
1 1/2	117	135	140	105	19	180	45	148	32	15	M8	19
2	144	135	155	120	19	210	45	166	39	15	M8	25

Diaphragm valves pneumatic

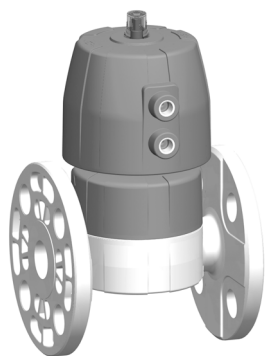
New generation

SYGEF Standard

Diaphragm valve DIASTAR Ten

FC (Fail safe to close)

With fixed flanges PVDF JIS



Model:

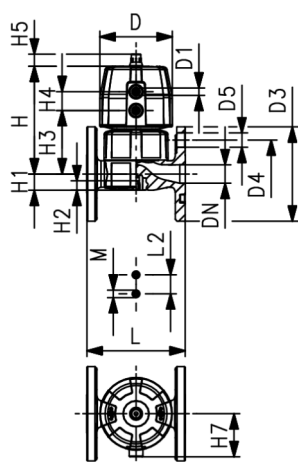
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

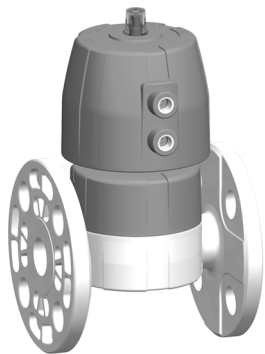
Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
1/2	15	10/10*	125	185 627 932
3/4	20	10/10*	271	185 627 933
1	25	10/10*	481	185 627 934
1 1/4	32	10/10*	759	185 627 935
1 1/2	40	10/10*	1263	185 627 936
2	50	10/6*	1728	185 627 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	140	105	19	180	45	193	32	15	119	36	26	88	M8
2	150	1/4	155	120	19	210	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



SYGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) With fixed flanges PVDF JIS

Model:

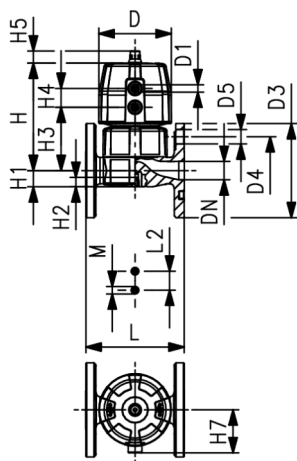
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

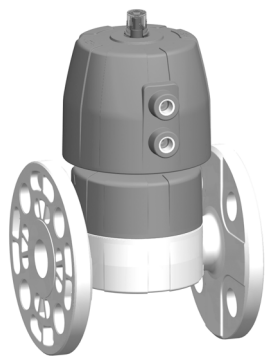
Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
1/2	15	10/10*	125	185 647 932
3/4	20	10/10*	271	185 647 933
1	25	10/10*	481	185 647 934
1 1/4	32	10/10*	759	185 647 935
1 1/2	40	10/10*	1263	185 647 936
2	50	10/10*	1728	185 647 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	88	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	103	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



SYGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) With fixed flanges PVDF JIS

Model:

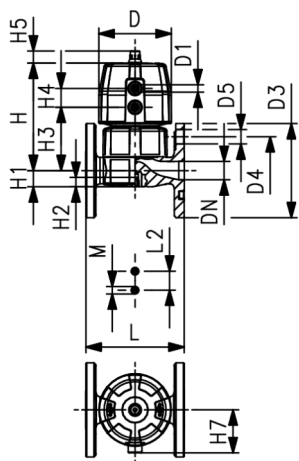
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

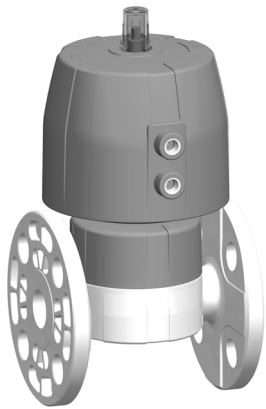
Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
1/2	15	10/10*	125	185 657 932
3/4	20	10/10*	271	185 657 933
1	25	10/10*	481	185 657 934
1 1/4	32	10/10*	759	185 657 935
1 1/2	40	10/10*	1263	185 657 936
2	50	10/10*	1728	185 657 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	88	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	103	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



SYGEF Standard

Diaphragm valve DIASTAR TenPlus

FC (Fail safe to close) low pressure

With fixed flanges PVDF JIS

Model:

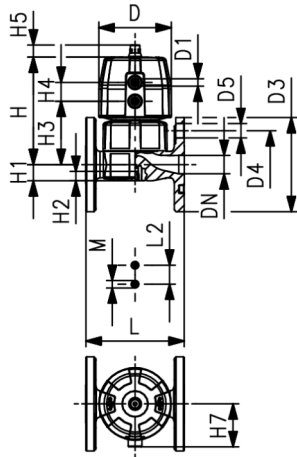
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/8*	125	185 687 912	185 687 932
3/4	20	10/8*	271	185 687 913	185 687 933
1	25	10/8*	481	185 687 914	185 687 934
1 1/4	32	10/8*	759	185 687 915	185 687 935
1 1/2	40	10/8*	1263	185 687 916	185 687 936
2	50	10/6*	1728	185 687 917	185 687 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	96	1/8	95	70	15	110	25	127	14	12	68	25	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	120	1/8	125	90	19	130	25	167	22	12	93	26	26	69	M6
1 1/4	150	1/4	135	100	19	180	45	196	26	15	101	36	26	88	M8
1 1/2	180	1/4	140	105	19	180	45	239	32	15	124	37	26	103	M8
2	180	1/4	155	120	19	210	45	251	39	15	137	37	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23

Diaphragm valves new generation

SYGEF Plus

Diaphragm valve type 514

With butt fusion spigots metric

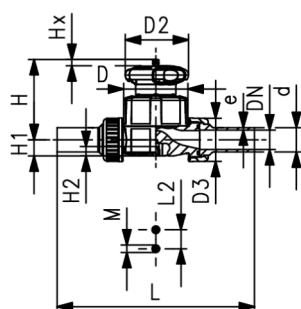


Model:

- Material: PVDF-HP
- Ideally suited for High Purity applications, not recommended for oxidizing acids
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



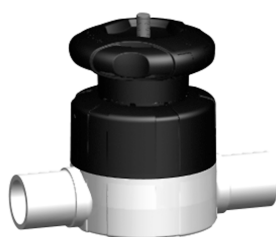
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	16	125	180 514 132
25	20	16	271	180 514 133
32	25	16	481	180 514 134
40	32	16	759	180 514 135
50	40	16	1263	180 514 136
63	50	16	1728	180 514 137

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]
20	65	65	43	196	25	73	14	12	M6	7	1.9
25	80	65	53	221	25	81	18	12	M6	10	1.9
32	88	87	60	234	25	107	22	12	M6	13	2.4
40	101	87	74	260	45	115	26	15	M8	15	2.4
50	117	135	82	284	45	148	32	15	M8	19	3.0
63	144	135	100	321	45	166	39	15	M8	25	3.0

SYGEF Plus

Diaphragm valve type 515

With butt fusion spigots metric

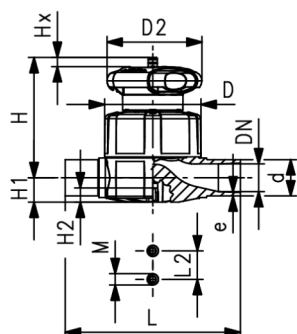


Model:

- Material: PVDF-HP
- Ideally suited for High Purity applications, not recommended for oxidizing acids
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

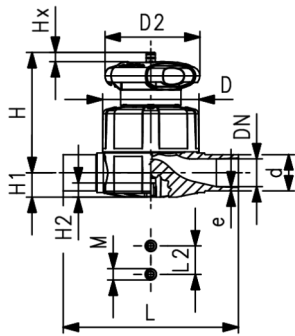
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

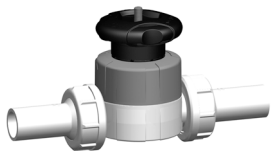


d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	16	125	180 515 132
25	20	16	271	180 515 133
32	25	16	481	180 515 134
40	32	16	759	180 515 135
50	40	16	1263	180 515 136
63	50	16	1728	180 515 137

table continued next page



d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	124	25	73	14	12	M6	7	1.9	
25	80	65	144	25	81	18	12	M6	10	1.9	
32	88	87	155	25	107	22	12	M6	13	2.4	
40	101	87	176	45	115	26	15	M8	15	2.4	
50	117	135	193	45	148	32	15	M8	19	3.0	
63	144	135	223	45	166	39	15	M8	25	3.0	



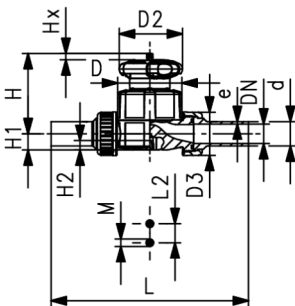
SYGEF Plus Diaphragm valve type 514 With butt fusion spigots metric

Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

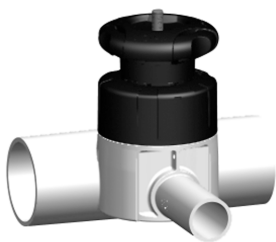
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code	
20	15	10	125	181 514 132	181 514 152	
25	20	10	271	181 514 133	181 514 153	
32	25	10	481	181 514 134	181 514 154	
40	32	10	759	181 514 135	181 514 155	
50	40	10	1263	181 514 136	181 514 156	
63	50	10	1728	181 514 137	181 514 157	

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	43	196	25	73	14	12	M6	7	1.9	
25	80	65	53	221	25	81	18	12	M6	10	1.9	
32	88	87	60	234	25	107	22	12	M6	13	2.4	
40	101	87	74	260	45	115	26	15	M8	15	2.4	
50	117	135	82	284	45	148	32	15	M8	19	3.0	
63	144	135	100	321	45	166	39	15	M8	25	3.0	



SYGEF Plus

Diaphragm valve type 519

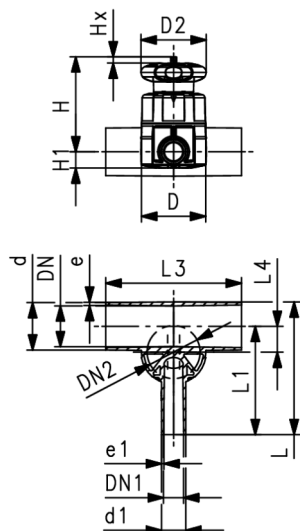
With butt fusion spigots metric

Model:

- Material: PVDF-HP
- Ideally suited for High Purity applications, not recommended for oxidizing acids
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Smallest possible dead space

Option:

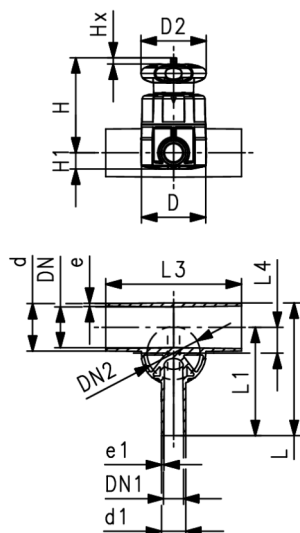
- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



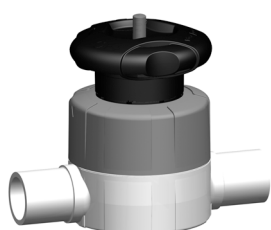
d [mm]	d1 [mm]	Valve Size d [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	20	20	15	15	15	16	57	180 519 301
25	20	25	20	15	20	16	89	180 519 303
25	25	25	20	20	20	16	118	180 519 304
32	20	25	25	15	20	16	80	180 519 307
32	25	25	25	20	20	16	105	180 519 308
32	32	32	25	25	25	16	231	180 519 309
40	20	32	32	15	25	16	85	180 519 312
40	25	32	32	20	25	16	119	180 519 313
40	32	32	32	25	25	16	153	180 519 314
40	40	32	32	32	25	16	187	180 519 315
50	20	25	40	15	20	16	86	180 519 318
50	25	32	40	20	25	16	160	180 519 319
50	32	32	40	25	25	16	206	180 519 320
50	40	63	40	32	50	16	524	180 519 321
50	50	63	40	40	50	16	667	180 519 322
63	20	25	50	15	20	16	84	180 519 325
63	25	32	50	20	25	16	150	180 519 326
63	32	32	50	25	25	16	184	180 519 327
63	40	63	50	32	50	16	471	180 519 328
63	50	63	50	40	50	16	610	180 519 329
63	63	63	50	50	50	16	747	180 519 330
90	20	32	80	15	25	16	82	180 519 341
90	25	32	80	20	25	16	103	180 519 342
90	32	32	80	25	25	16	129	180 519 343
90	50	63	80	40	50	16	623	180 519 345
90	63	63	80	50	50	16	696	180 519 346
110	20	32	100	15	25	16	78	180 519 351
110	25	32	100	20	25	16	103	180 519 352
110	32	32	100	25	25	16	131	180 519 353
110	50	63	100	40	50	16	604	180 519 355
110	63	63	100	50	50	16	661	180 519 356

d [mm]	D [mm]	D2 [mm]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]
20	65	65	117	96	162	12	75	7	1.9	1.9
25	80	65	133	108	162	16	80	10	1.9	1.9
25	80	65	133	108	162	16	80	10	1.9	1.9
32	80	65	142	120	162	19	84	10	2.4	1.9
32	80	65	142	120	162	19	84	10	2.4	1.9
32	88	87	145	120	160	19	107	13	2.4	2.4
40	88	87	149	128	180	23	115	13	2.4	1.9
40	88	87	149	128	180	23	115	13	2.4	1.9
40	88	87	149	128	180	23	115	13	2.4	2.4
40	88	87	174	153	180	23	115	13	2.4	2.4
50	80	65	160	134	180	27	97	10	3.0	1.9
50	88	87	160	134	180	28	120	13	3.0	1.9
50	88	87	160	134	180	28	120	13	3.0	2.4
50	144	135	209	169	209	33	164	25	3.0	2.4
50	144	135	209	169	209	33	164	25	3.0	3.0

table continued next page



d [mm]	D [mm]	D2 [mm]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]	
63	80	65	177	144	180	33	104	10	3.0	1.9	
63	88	87	177	144	180	35	127	13	3.0	1.9	
63	88	87	177	144	180	35	127	13	3.0	2.4	
63	144	135	225	192	220	39	170	25	3.0	2.4	
63	144	135	225	192	220	39	170	25	3.0	3.0	
63	144	135	225	192	220	39	170	25	3.0	3.0	
90	88	87	205	159	190	47	140	13	4.3	1.9	
90	88	87	205	159	190	47	140	13	4.3	1.9	
90	88	87	205	159	190	47	140	13	4.3	2.4	
90	144	135	254	207	250	51	184	25	4.3	3.0	
90	144	135	254	207	250	51	184	25	4.3	3.0	
110	88	87	227	171	190	56	149	13	5.3	1.9	
110	88	87	227	171	190	56	149	13	5.3	1.9	
110	88	87	227	171	190	56	149	13	5.3	2.4	
110	144	135	276	219	250	60	194	25	5.3	3.0	
110	144	135	276	219	250	60	194	25	5.3	3.0	



SYGEF Plus

Diaphragm valve type 515

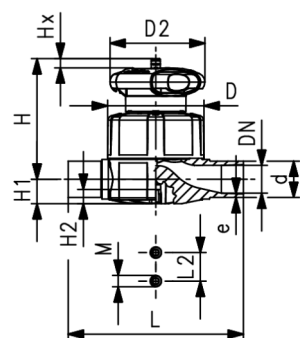
With butt fusion spigots metric

Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

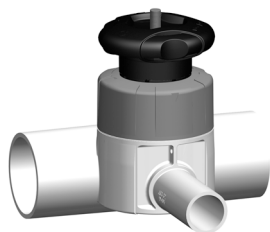
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code	
20	15	10	125	181 515 132	181 515 152	
25	20	10	271	181 515 133	181 515 153	
32	25	10	481	181 515 134	181 515 154	
40	32	10	759	181 515 135	181 515 155	
50	40	10	1263	181 515 136	181 515 156	
63	50	10	1728	181 515 137	181 515 157	

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	124	25	73	14	12	M6	7	1.9	
25	80	65	144	25	81	18	12	M6	10	1.9	
32	88	87	155	25	107	22	12	M6	13	2.4	
40	101	87	176	45	115	26	15	M8	15	2.4	
50	117	135	193	45	148	32	15	M8	19	3.0	
63	144	135	223	45	166	39	15	M8	25	3.0	



SYGEF Plus

Diaphragm valve type 519

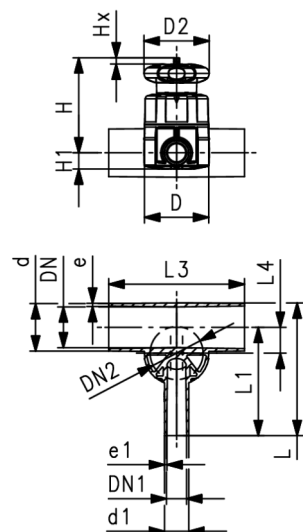
With butt fusion spigots metric

Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Smallest possible dead space

Option:

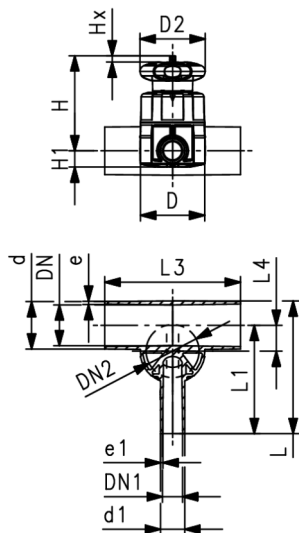
- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	d1 [mm]	Valve Size d [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	20	20	15	15	15	10	57	181 519 301	181 519 501
25	20	25	20	15	20	10	89	181 519 303	181 519 503
25	25	25	20	20	20	10	118	181 519 304	181 519 504
32	20	25	25	15	20	10	80	181 519 307	181 519 507
32	25	25	25	20	20	10	105	181 519 308	181 519 508
32	32	32	25	25	25	10	231	181 519 309	181 519 509
40	20	32	32	15	25	10	85	181 519 312	181 519 512
40	25	32	32	20	25	10	119	181 519 313	181 519 513
40	32	32	32	25	25	10	153	181 519 314	181 519 514
40	40	32	32	32	25	10	187	181 519 315	181 519 515
50	20	25	40	15	20	10	86	181 519 318	181 519 518
50	25	32	40	20	25	10	160	181 519 319	181 519 519
50	32	32	40	25	25	10	206	181 519 320	181 519 520
50	40	63	40	32	50	10	524	181 519 321	181 519 521
50	50	63	40	40	50	10	667	181 519 322	181 519 522
63	20	25	50	15	20	10	84	181 519 325	181 519 525
63	25	32	50	20	25	10	150	181 519 326	181 519 526
63	32	32	50	25	25	10	184	181 519 327	181 519 527
63	40	63	50	32	50	10	471	181 519 328	181 519 528
63	50	63	50	40	50	10	610	181 519 329	181 519 529
63	63	63	50	50	50	10	747	181 519 330	181 519 530
90	20	32	80	15	25	10	82	181 519 341	181 519 541
90	25	32	80	20	25	10	103	181 519 342	181 519 542
90	32	32	80	25	25	10	129	181 519 343	181 519 543
90	50	63	80	40	50	10	623	181 519 345	181 519 545
90	63	63	80	50	50	10	696	181 519 346	181 519 546
110	20	32	100	15	25	10	78	181 519 351	181 519 551
110	25	32	100	20	25	10	103	181 519 352	181 519 552
110	32	32	100	25	25	10	131	181 519 353	181 519 553
110	50	63	100	40	50	10	604	181 519 355	181 519 555
110	63	63	100	50	50	10	661	181 519 356	181 519 556

d [mm]	D [mm]	D2 [mm]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	H1 [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]
20	65	65	117	96	162	12	75	14.0	7	1.9	1.9
25	80	65	133	108	162	16	80	17.5	10	1.9	1.9
25	80	65	133	108	162	16	80	17.5	10	1.9	1.9
32	80	65	142	120	162	19	84	21.5	10	2.4	1.9
32	80	65	142	120	162	19	84	21.5	10	2.4	1.9
32	88	87	145	120	160	19	107	21.5	13	2.4	2.4
40	88	87	149	128	180	23	115	21.5	13	2.4	1.9
40	88	87	149	128	180	23	115	21.5	13	2.4	1.9
40	88	87	149	128	180	23	115	21.5	13	2.4	2.4
40	88	87	174	153	180	23	115	21.5	13	2.4	2.4
50	80	65	160	134	180	27	97	17.5	10	3.0	1.9
50	88	87	160	134	180	28	120	21.5	13	3.0	1.9
50	88	87	160	134	180	28	120	21.5	13	3.0	2.4
50	144	135	209	169	209	33	164	32.0	25	3.0	2.4
50	144	135	209	169	209	33	164	32.0	25	3.0	3.0
63	80	65	177	144	180	33	104	17.5	10	3.0	1.9

table continued next page



d [mm]	D [mm]	D2 [mm]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	H1 [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]	
63	88	87	177	144	180	35	127	21.5	13	3.0	1.9	
63	88	87	177	144	180	35	127	21.5	13	3.0	2.4	
63	144	135	225	192	220	39	170	39.0	25	3.0	2.4	
63	144	135	225	192	220	39	170	39.0	25	3.0	3.0	
63	144	135	225	192	220	39	170	39.0	25	3.0	3.0	
90	88	87	205	159	190	47	140	21.5	13	4.3	1.9	
90	88	87	205	159	190	47	140	21.5	13	4.3	1.9	
90	88	87	205	159	190	47	140	21.5	13	4.3	2.4	
90	144	135	254	207	250	51	184	39.0	25	4.3	3.0	
90	144	135	254	207	250	51	184	39.0	25	4.3	3.0	
110	88	87	227	171	190	56	149	21.5	13	5.3	1.9	
110	88	87	227	171	190	56	149	21.5	13	5.3	1.9	
110	88	87	227	171	190	56	149	21.5	13	5.3	2.4	
110	144	135	276	219	250	60	194	39.0	25	5.3	3.0	
110	144	135	276	219	250	60	194	39.0	25	5.3	3.0	

Diaphragm valves pneumatic

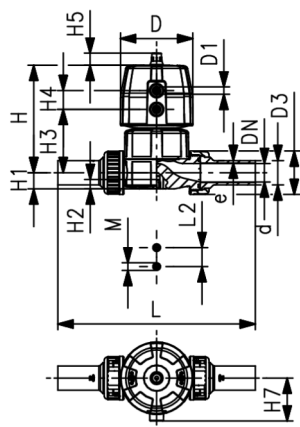
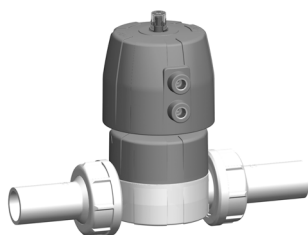
New generation

SYGEF Plus

Diaphragm valve DIASTAR Ten

FC (Fail safe to close)

Unions with butt fusion spigots metric



Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

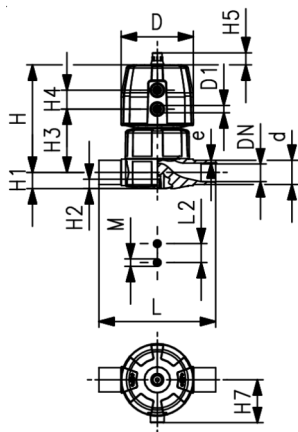
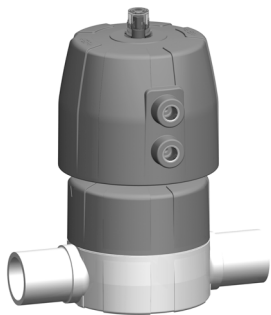
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	180 624 132	180 624 152
25	20	10/10*	271	180 624 133	180 624 153
32	25	10/10*	481	180 624 134	180 624 154
40	32	10/10*	759	180 624 135	180 624 155
50	40	10/10*	1263	180 624 136	180 624 156
63	50	10/6*	1728	180 624 137	180 624 157

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	284	45	214	32	15	119	36	26	88	M8	19	3.0
63	150	1/4	321	45	226	39	15	132	36	26	88	M8	23	3.0



SYGEF Plus

Diaphragm valve DIASTAR Ten

FC (Fail safe to close)

With butt fusion spigots metric

Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

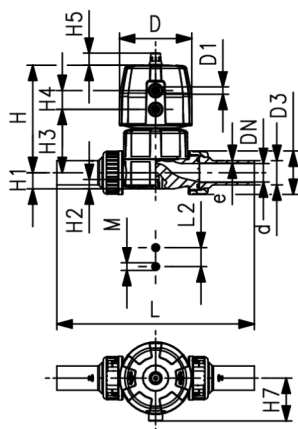
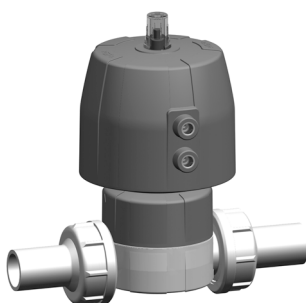
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	180 625 132	180 625 152
25	20	10/10*	271	180 625 133	180 625 153
32	25	10/10*	481	180 625 134	180 625 154
40	32	10/10*	759	180 625 135	180 625 155
50	40	10/10*	1263	180 625 136	180 625 156
63	50	10/6*	1728	180 625 137	180 625 157

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	3.0
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	3.0



SYGEF Plus

Diaphragm valve DIASTAR Ten

FO (Fail safe to open)

Unions with butt fusion spigots metric

Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

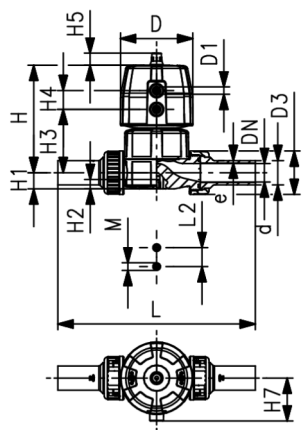
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	10/10*	125	180 644 132
25	20	10/10*	271	180 644 133
32	25	10/10*	481	180 644 134
40	32	10/10*	759	180 644 135
50	40	10/10*	1263	180 644 136
63	50	10/10*	1728	180 644 137

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	284	45	214	32	15	119	36	26	69	M8	19	3.0
63	150	1/4	321	45	226	39	15	132	36	26	69	M8	23	3.0



SYGEF Plus

Diaphragm valve DIASTAR Ten

FO (Fail safe to open)

With butt fusion spigots metric

Model:

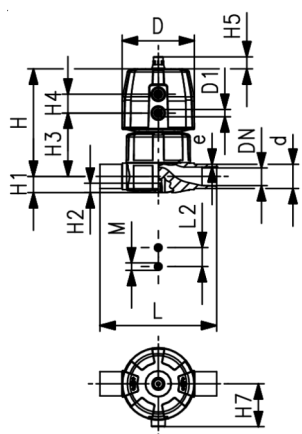
- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

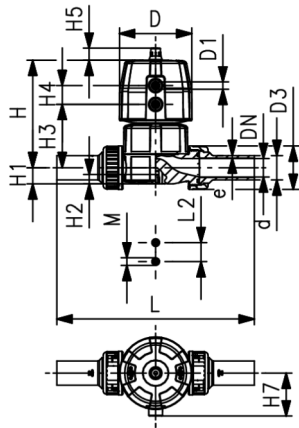
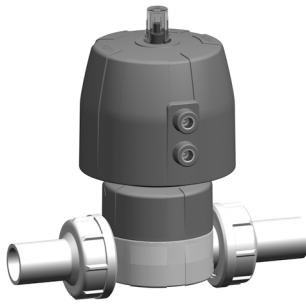
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code
20	15	10/10*	125	180 645 132
25	20	10/10*	271	180 645 133
32	25	10/10*	481	180 645 134
40	32	10/10*	759	180 645 135
50	40	10/10*	1263	180 645 136
63	50	10/10*	1728	180 645 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	3.0
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	3.0



SYGEF Plus

Diaphragm valve DIASTAR Ten

DA (Double acting)

Unions with butt fusion spigots metric

Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

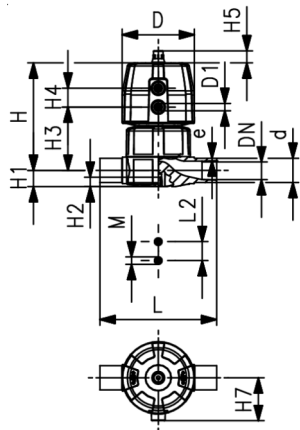
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	10/10*	125	180 654 132
25	20	10/10*	271	180 654 133
32	25	10/10*	481	180 654 134
40	32	10/10*	759	180 654 135
50	40	10/10*	1263	180 654 136
63	50	10/10*	1728	180 654 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	284	45	214	32	15	119	36	26	69	M8	19	3.0
63	150	1/4	321	45	226	39	15	132	36	26	69	M8	23	3.0



SYGEF Plus Diaphragm valve DIASTAR Ten DA (Double acting) With butt fusion spigots metric

Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	
20	15	10/10*	125	180 655 132	
25	20	10/10*	271	180 655 133	
32	25	10/10*	481	180 655 134	
40	32	10/10*	759	180 655 135	
50	40	10/10*	1263	180 655 136	
63	50	10/10*	1728	180 655 137	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]	
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9	
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9	
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.4	
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	2.4	
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	3.0	
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	3.0	



SYGEF Plus

Diaphragm valve DIASTAR Ten

DA (Double acting)

With butt fusion spigots metric

Model:

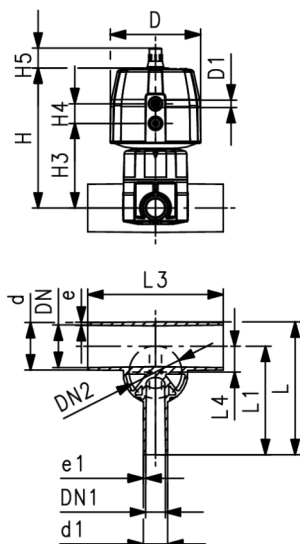
- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Smallest possible dead space

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

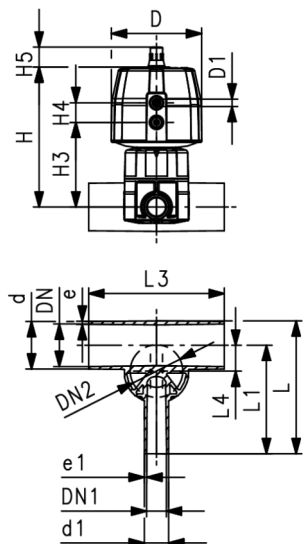
Working Pressure: **one side**



d [mm]	d1 [mm]	Valve Size d [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	
20	20	20	15	15	15	16/10*	57	180 659 301	
25	20	25	20	15	20	16/10*	89	180 659 303	
25	25	25	20	20	20	16/10*	118	180 659 304	
32	20	25	25	15	20	16/10*	80	180 659 307	
32	25	25	25	20	20	16/10*	105	180 659 308	
32	32	32	25	25	25	16/10*	231	180 659 309	
40	20	32	32	15	25	16/10*	85	180 659 312	
40	25	32	32	20	25	16/10*	119	180 659 313	
40	32	32	32	25	25	16/10*	153	180 659 314	
40	40	32	32	32	25	16/10*	187	180 659 315	
50	20	25	40	15	20	16/10*	86	180 659 318	
50	25	32	40	20	25	16/10*	160	180 659 319	
50	32	32	40	25	25	16/10*	206	180 659 320	
50	40	63	40	32	50	16/10*	524	180 659 321	
50	50	63	40	40	50	16/10*	667	180 659 322	
63	20	25	50	15	20	16/10*	84	180 659 325	
63	25	32	50	20	25	16/10*	150	180 659 326	
63	32	32	50	25	25	16/10*	184	180 659 327	
63	40	63	50	32	50	16/10*	471	180 659 328	
63	50	63	50	40	50	16/10*	610	180 659 329	
63	63	63	50	50	50	16/10*	747	180 659 330	
90	20	32	80	15	25	16/10*	82	180 659 341	
90	25	32	80	20	25	16/10*	103	180 659 342	
90	32	32	80	25	25	16/10*	129	180 659 343	
90	50	63	80	40	50	16/10*	623	180 659 345	
90	63	63	80	50	50	16/10*	696	180 659 346	
110	20	32	100	15	25	16/10*	78	180 659 351	
110	25	32	100	20	25	16/10*	103	180 659 352	
110	32	32	100	25	25	16/10*	131	180 659 353	
110	50	63	100	40	50	16/10*	604	180 659 355	
110	63	63	100	50	50	16/10*	661	180 659 356	

d [mm]	D [mm]	D1 [inch]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	H3 [mm]	H4 [mm]	H5 [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]	
20	68	1/8	117	96	162	12	104	63	24	16	7	1.9	1.9	
25	96	1/8	133	108	162	16	131	73	25	16	10	2.3	1.9	
25	96	1/8	133	108	162	16	131	73	25	16	10	2.3	2.3	
32	96	1/8	142	120	162	19	135	76	25	16	10	2.9	1.9	
32	96	1/8	142	120	162	19	135	76	25	16	10	2.9	2.3	
32	96	1/8	145	120	160	19	143	84	25	16	13	2.9	2.9	
40	96	1/8	149	128	180	23	151	92	25	16	13	3.7	1.9	
40	96	1/8	149	128	180	23	151	92	25	16	13	3.7	2.3	
40	96	1/8	149	128	180	23	151	92	25	16	13	3.7	2.9	
40	96	1/8	174	153	180	23	151	92	25	16	13	3.7	3.7	
50	96	1/8	160	134	180	27	148	90	25	16	10	4.6	1.9	
50	96	1/8	160	134	180	28	156	97	25	16	13	4.6	2.3	

table continued next page



d [mm]	D [mm]	D1 [inch]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	H3 [mm]	H4 [mm]	H5 [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]
50	96	⅜	160	134	180	28	156	97	25	16	13	4.6	2.9
50	150	⅜	209	169	209	33	224	129	36	26	23	4.6	3.7
50	150	⅜	209	169	209	33	224	129	36	26	23	4.6	4.6
63	96	⅜	177	144	180	33	155	96	25	16	10	5.8	1.9
63	96	⅜	177	144	180	35	163	104	25	16	13	5.8	2.3
63	96	⅜	177	144	180	35	163	104	25	16	13	5.8	2.9
63	150	⅜	225	192	220	39	230	136	36	26	23	5.8	3.7
63	150	⅜	225	192	220	39	230	136	36	26	23	5.8	4.6
63	150	⅜	225	192	220	39	230	136	36	26	23	5.8	5.8
90	96	⅜	205	159	190	47	176	117	25	16	13	8.2	1.9
90	96	⅜	205	159	190	47	176	117	25	16	13	8.2	2.3
90	96	⅜	205	159	190	47	176	117	25	16	13	8.2	2.9
90	150	⅜	254	207	250	51	244	150	36	26	23	8.2	4.6
90	150	⅜	254	207	250	51	244	150	36	26	23	8.2	5.8
110	96	⅜	227	171	190	56	185	126	25	16	13	10.0	1.9
110	96	⅜	227	171	190	56	185	126	25	16	13	10.0	2.3
110	96	⅜	227	171	190	56	185	126	25	16	13	10.0	2.9
110	150	⅜	276	219	250	60	254	160	36	26	23	10.0	4.6
110	150	⅜	276	219	250	60	254	160	36	26	23	10.0	5.8

SYGEF Plus

Diaphragm valve DIASTAR Sixteen

FC (Fail safe to close)

Unions with butt fusion spigots metric

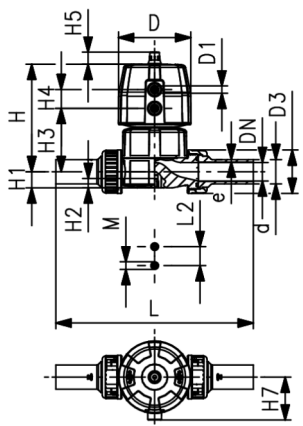
Model:

- Material: PVDF-HP
- Ideally suited for High Purity applications, not recommended for oxidizing acids
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code
20	15	16/16*	125	180 634 132
25	20	16/16*	271	180 634 133
32	25	16/16*	481	180 634 134
40	32	16/16*	759	180 634 135
50	40	16/16*	1263	180 634 136
63	50	16/10*	1728	180 634 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	96	⅜	196	25	127	14	12	68	25	16	57	M6	7	1.9
25	96	⅜	221	25	132	18	12	73	25	16	57	M6	10	1.9
32	120	⅜	234	25	167	22	12	93	26	26	69	M6	13	2.4
40	150	¼	260	45	196	26	15	101	36	26	88	M8	15	2.4
50	180	¼	284	45	239	32	15	124	37	26	103	M8	19	3.0
63	180	¼	321	45	251	39	15	137	37	26	103	M8	23	3.0



SYGEF Plus

Diaphragm valve DIASTAR Sixteen

FC (Fail safe to close)

With butt fusion spigots metric

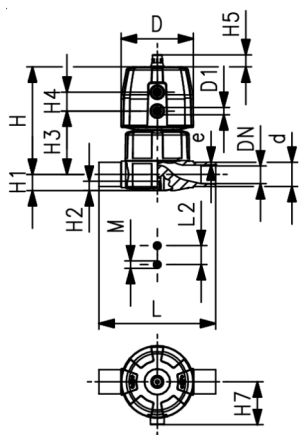
Model:

- Material: PVDF-HP
- Ideally suited for High Purity applications, not recommended for oxidizing acids
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code											
20	15	16/16*	125	180 635 132											
25	20	16/16*	271	180 635 133											
32	25	16/16*	481	180 635 134											
40	32	16/16*	759	180 635 135											
50	40	16/16*	1263	180 635 136											
63	50	16/10*	1728	180 635 137											

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]	
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7	1.9	
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9	
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13	2.4	
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15	2.4	
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19	3.0	
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23	3.0	



SYGEF Plus

Diaphragm valve DIASTAR Sixteen

FC (Fail safe to close)

With butt fusion spigots metric

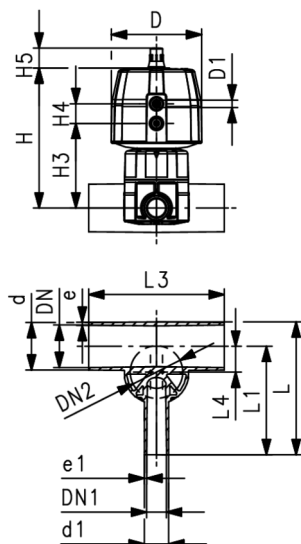
Model:

- Material: PVDF-HP
- Ideally suited for High Purity applications, not recommended for oxidizing acids
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Smallest possible dead space

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

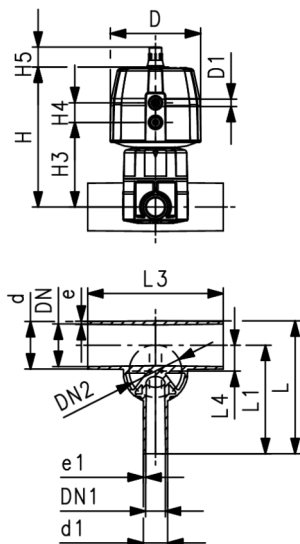
* Available on request



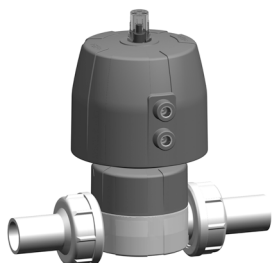
d [mm]	d1 [mm]	Valve Size d [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code
20	20	20	15	15	15	16	57	180 639 301
25	20	25	20	15	20	16	89	180 639 303
25	25	25	20	20	20	16	118	180 639 304
32	20	25	25	15	20	16	80	180 639 307
32	25	25	25	20	20	16	105	180 639 308
32	32	32	25	25	25	16	231	180 639 309
40	20	32	32	15	25	16	85	180 639 312
40	25	32	32	20	25	16	119	180 639 313
40	32	32	32	25	25	16	153	180 639 314
40	40	32	32	32	25	16	187	180 639 315
50	20	25	40	15	20	16	86	180 639 318
50	25	32	40	20	25	16	160	180 639 319
50	32	32	40	25	25	16	206	180 639 320
50	40	63	40	32	50	10	524	180 639 321
50	50	63	40	40	50	10	667	180 639 322
63	20	25	50	15	20	16	84	180 639 325
63	25	32	50	20	25	16	150	180 639 326
63	32	32	50	25	25	16	184	180 639 327
63	40	63	50	32	50	10	471	180 639 328
63	50	63	50	40	50	10	610	180 639 329
63	63	63	50	50	50	10	747	180 639 330
90	20	32	80	15	25	16	82	180 639 341
90	25	32	80	20	25	16	103	180 639 342
90	32	32	80	25	25	16	129	180 639 343
90	50	63	80	40	50	10	623	180 639 345
90	63	63	80	50	50	10	696	180 639 346
110	20	32	100	15	25	16	78	180 639 351
110	25	32	100	20	25	16	103	180 639 352
110	32	32	100	25	25	16	131	180 639 353
110	50	63	100	40	50	10	604	180 639 355
110	63	63	100	50	50	10	661	180 639 356

d [mm]	D [mm]	D1 [inch]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	H3 [mm]	H4 [mm]	H5 [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]
20	96	¾	117	96	162	12	130	71	25	16	7	1.9	1.9
25	96	¾	133	108	162	16	131	72	25	16	10	1.9	1.9
25	96	¾	133	108	162	16	131	72	25	16	10	1.9	1.9
32	96	¾	142	120	162	19	135	76	25	16	10	2.4	1.9
32	96	¾	142	120	162	19	135	76	25	16	10	2.4	1.9
32	120	¾	145	120	160	19	167	93	26	26	13	2.4	2.4
40	120	¾	149	128	180	23	175	101	26	26	13	2.4	1.9
40	120	¾	149	128	180	23	175	101	26	26	13	2.4	1.9
40	120	¾	149	128	180	23	175	101	26	26	13	2.4	2.4
40	120	¾	174	153	180	23	175	101	26	26	13	2.4	2.4
50	96	¾	160	134	180	27	148	90	25	16	10	3.0	1.9
50	120	¾	160	134	180	28	180	106	26	26	13	3.0	1.9

table continued next page



d [mm]	D [mm]	D1 [inch]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	H3 [mm]	H4 [mm]	H5 [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]
50	120	1/8	160	134	180	28	180	106	26	26	13	3.0	2.4
50	180	1/4	209	169	209	33	249	135	37	26	23	3.0	2.4
50	180	1/4	209	169	209	33	249	135	37	26	23	3.0	3.0
63	96	1/8	177	144	180	33	155	96	25	16	10	3.0	1.9
63	120	1/8	177	144	180	35	187	113	26	26	13	3.0	1.9
63	120	1/8	177	144	180	35	187	113	26	26	13	3.0	2.4
63	180	1/4	225	192	220	39	255	141	37	26	23	3.0	2.4
63	180	1/4	225	192	220	39	255	141	37	26	23	3.0	3.0
63	180	1/4	225	192	220	39	255	141	37	26	23	3.0	3.0
90	120	1/8	205	159	190	47	200	126	26	26	13	4.3	1.9
90	120	1/8	205	159	190	47	200	126	26	26	13	4.3	1.9
90	120	1/8	205	159	190	47	200	126	26	26	13	4.3	2.4
90	180	1/4	254	207	250	51	269	155	37	26	23	4.3	3.0
90	180	1/4	254	207	250	51	269	155	37	26	23	4.3	3.0
110	120	1/8	227	171	190	56	209	135	26	26	13	5.3	1.9
110	120	1/8	227	171	190	56	209	135	26	26	13	5.3	1.9
110	120	1/8	227	171	190	56	209	135	26	26	13	5.3	2.4
110	180	1/4	276	219	250	60	279	165	37	26	23	5.3	3.0
110	180	1/4	276	219	250	60	279	165	37	26	23	5.3	3.0



SYGEF Plus

Diaphragm valve DIASTAR TenPlus

FC (Fail safe to close)

Unions with butt fusion spigots metric

Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

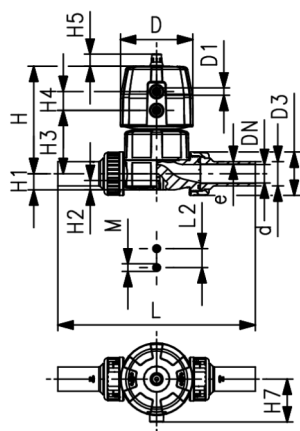
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

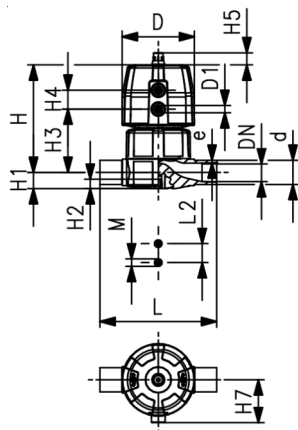
Working Pressure: **both sides**

* PN: PTFE



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	181 684 132	181 684 152
25	20	10/10*	271	181 684 133	181 684 153
32	25	10/10*	481	181 684 134	181 684 154
40	32	10/10*	759	181 684 135	181 684 155
50	40	10/10*	1263	181 684 136	181 684 156
63	50	10/10*	1728	181 684 137	181 684 157

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	96	1/8	196	25	127	14	12	68	25	16	57	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	1.9
32	120	1/8	234	25	167	22	12	93	26	26	69	M6	13	2.4
40	150	1/4	260	45	196	26	15	101	36	26	88	M8	15	2.4
50	180	1/4	284	45	239	32	15	124	37	26	103	M8	19	3.0
63	180	1/4	321	45	251	39	15	137	37	26	103	M8	23	3.0



SYGEF Plus

Diaphragm valve DIASTAR TenPlus

FC (Fail safe to close)

With butt fusion spigots metric

Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**

* PN: PTFE

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	181 685 132	181 685 152
25	20	10/10*	271	181 685 133	181 685 153
32	25	10/10*	481	181 685 134	181 685 154
40	32	10/10*	759	181 685 135	181 685 155
50	40	10/10*	1263	181 685 136	181 685 156
63	50	10/10*	1728	181 685 137	181 685 157

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13	2.4
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15	2.4
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19	3.0
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23	3.0



SYGEF Plus

Diaphragm valve DIASTAR TenPlus

FC (Fail safe to close)

With butt fusion spigots metric

Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Smallest possible dead space

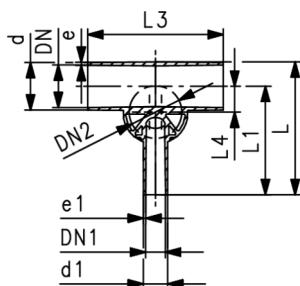
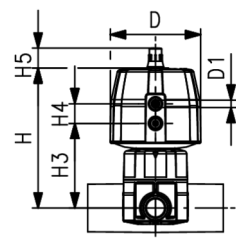
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**

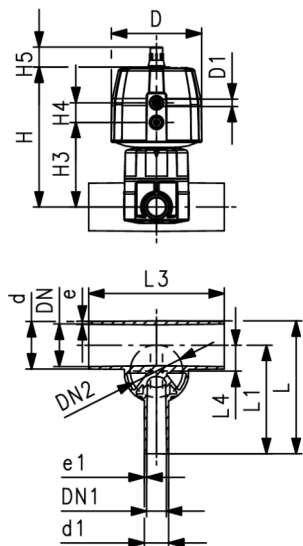
* Available on request



d [mm]	d1 [mm]	Valve Size d [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	20	20	15	15	15	10/10*	57	181 689 301	181 689 501
25	20	25	20	15	20	10/10*	89	181 689 303	181 689 503
25	25	25	20	20	20	10/10*	118	181 689 304	181 689 504
32	20	25	25	15	20	10/10*	80	181 689 307	181 689 507
32	25	25	25	20	20	10/10*	105	181 689 308	181 689 508
32	32	32	25	25	25	10/10*	231	181 689 309	181 689 509
40	20	32	32	15	25	10/10*	85	181 689 312	181 689 512
40	25	32	32	20	25	10/10*	119	181 689 313	181 689 513
40	32	32	32	25	25	10/10*	153	181 689 314	181 689 514
40	40	32	32	32	25	10/10*	187	181 689 315	181 689 515
50	20	25	40	15	20	10/10*	86	181 689 318	181 689 518
50	25	32	40	20	25	10/10*	160	181 689 319	181 689 519
50	32	32	40	25	25	10/10*	206	181 689 320	181 689 520
50	40	63	40	32	50	10/10*	524	181 689 321	181 689 521
50	50	63	40	40	50	10/10*	667	181 689 322	181 689 522
63	20	25	50	15	20	10/10*	84	181 689 325	181 689 525
63	25	32	50	20	25	10/10*	150	181 689 326	181 689 526
63	32	32	50	25	25	10/10*	184	181 689 327	181 689 527
63	40	63	50	32	50	10/10*	471	181 689 328	181 689 528
63	50	63	50	40	50	10/10*	610	181 689 329	181 689 529
63	63	63	50	50	50	10/10*	747	181 689 330	181 689 530
90	20	32	80	15	25	10/10*	82	181 689 341	181 689 541
90	25	32	80	20	25	10/10*	103	181 689 342	181 689 542
90	32	32	80	25	25	10/10*	129	181 689 343	181 689 543
90	50	63	80	40	50	10/10*	623	181 689 345	181 689 545
90	63	63	80	50	50	10/10*	696	181 689 346	181 689 546
110	20	32	100	15	25	10/10*	78	181 689 351	181 689 551
110	25	32	100	20	25	10/10*	103	181 689 352	181 689 552
110	32	32	100	25	25	10/10*	131	181 689 353	181 689 553
110	50	63	100	40	50	10/10*	604	181 689 355	181 689 555
110	63	63	100	50	50	10/10*	661	181 689 356	181 689 556

d [mm]	D [mm]	D1 [inch]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	H3 [mm]	H4 [mm]	H5 [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]
20	96	1/8	117	96	162	12	130	71	25	16	7	1.9	1.9
25	96	1/8	133	108	162	16	131	72	25	16	10	1.9	1.9
25	96	1/8	133	108	162	16	131	72	25	16	10	1.9	1.9
32	96	1/8	142	120	162	19	135	76	25	16	10	2.4	1.9
32	96	1/8	142	120	162	19	135	76	25	16	10	2.4	1.9
32	120	1/8	145	120	160	19	167	93	26	26	13	2.4	2.4
40	120	1/8	149	128	180	23	175	101	26	26	13	2.4	1.9
40	120	1/8	149	128	180	23	175	101	26	26	13	2.4	1.9
40	120	1/8	149	128	180	23	175	101	26	26	13	2.4	2.4
40	120	1/8	174	153	180	23	175	101	26	26	13	2.4	2.4
50	96	1/8	160	134	180	27	148	90	25	16	10	3.0	1.9

table continued next page



d [mm]	D [mm]	D1 [inch]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	H3 [mm]	H4 [mm]	H5 [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]	
50	120	1/4	160	134	180	28	180	106	26	26	13	3.0	1.9	
50	120	1/4	160	134	180	28	180	106	26	26	13	3.0	2.4	
50	180	1/4	209	169	209	33	249	135	37	26	23	3.0	2.4	
50	180	1/4	209	169	209	33	249	135	37	26	23	3.0	3.0	
63	96	1/8	177	144	180	33	155	96	25	16	10	3.0	1.9	
63	120	1/8	177	144	180	35	187	113	26	26	13	3.0	1.9	
63	120	1/8	177	144	180	35	187	113	26	26	13	3.0	2.4	
63	180	1/4	225	192	220	39	255	141	37	26	23	3.0	2.4	
63	180	1/4	225	192	220	39	255	141	37	26	23	3.0	3.0	
63	180	1/4	225	192	220	39	255	141	37	26	23	3.0	3.0	
90	120	1/8	205	159	190	47	200	126	26	26	13	4.3	1.9	
90	120	1/8	205	159	190	47	200	126	26	26	13	4.3	1.9	
90	120	1/8	205	159	190	47	200	126	26	26	13	4.3	2.4	
90	180	1/4	254	207	250	51	269	155	37	26	23	4.3	3.0	
90	180	1/4	254	207	250	51	269	155	37	26	23	4.3	3.0	
110	120	1/8	227	171	190	56	209	135	26	26	13	5.3	1.9	
110	120	1/8	227	171	190	56	209	135	26	26	13	5.3	1.9	
110	120	1/8	227	171	190	56	209	135	26	26	13	5.3	2.4	
110	180	1/4	276	219	250	60	279	165	37	26	23	5.3	3.0	
110	180	1/4	276	219	250	60	279	165	37	26	23	5.3	3.0	

Spare parts diaphragm valves new generation

Spare parts for hand-operated valves Type 514/515/517/519



Bonnet complete



d [mm]	Inch	DN [mm]	Standard configuration PN10 Code	For pressure tight housing PN10 Code	Standard configuration PN16 Code	
20	1/2	15	198 151 742	198 151 752	198 151 842	
25	3/4	20	198 151 743	198 151 753	198 151 843	
32	1	25	198 151 744	198 151 754	198 151 844	
40	1 1/4	32	198 151 745	198 151 755	198 151 845	
50	1 1/2	40	198 151 746	198 151 756	198 151 846	
63	2	50	198 151 747	198 151 757	198 151 847	

d [mm]	Inch	DN [mm]	For pressure tight housing PN16 Code	
20	1/2	15	198 151 852	
25	3/4	20	198 151 853	
32	1	25	198 151 854	
40	1 1/4	32	198 151 855	
50	1 1/2	40	198 151 856	
63	2	50	198 151 857	

Hand wheel

Model:

- Without position indicator



DN [mm]	Code	
15 - 20	198 204 162	
25 - 32	198 204 164	
40 - 50	198 104 166	



Position indicator

d [mm]	Inch	DN [mm]	Code	
20	¾	15	167 484 992	
25	¾	20	167 484 993	
32	1	25	167 484 994	
40	1 ¼	32	167 484 995	
50	1 ½	40	167 484 996	
63	2	50	167 484 997	



Spindle assembly

Model:

- Incl. position indicator and compressor

DN-DN [mm]	Code	
15 - 20	198 204 327	
25 - 32	198 204 328	
40 - 50	198 204 329	



Seal set

Model:

- For manual valve - pressure tight housing
- Incl. position indicator

d [mm]	Inch	DN [mm]	EPDM Code	
20	¾	15	198 000 892	
25	¾	20	198 000 893	
32	1	25	198 000 894	
40	1 ¼	32	198 000 895	
50	1 ½	40	198 000 896	
63	2	50	198 000 897	

Spare parts for automatic valves Diastar Six/Ten/Sixteen



Actuators

d [mm]	Inch	DN [mm]	Diastar Six Code	Diastar Ten Code	Diastar Ten+ FC Code	Diastar Sixteen FC Code	
20	½	15	198 151 762	198 151 772	198 153 062	198 151 782	
25	¾	20	198 151 763	198 151 773	198 153 063	198 151 783	
32	1	25	198 151 764	198 151 774	198 153 064	198 151 784	
40	1 ¼	32	198 151 765	198 151 775	198 153 065	198 151 785	
50	1 ½	40	198 151 766	198 151 776	198 153 066	198 151 786	
63	2	50	198 151 767	198 151 777	198 153 067	198 151 787	

d [mm]	Inch	DN [mm]	Diastar Ten FO Code	Diastar Ten DA Code	
20	½	15	198 151 792	198 151 802	
25	¾	20	198 151 793	198 151 803	
32	1	25	198 151 794	198 151 804	
40	1 ¼	32	198 151 795	198 151 805	
50	1 ½	40	198 151 796	198 151 806	
63	2	50	198 151 797	198 151 807	

Indicator cap



Size	Code	
1-2	198 806 639	
3-5	198 806 640	



Compressor set

Model:

- Incl. diaphragm holder

d [mm]	Inch	DN [mm]	Code	
20	1/2	15	198 000 872	
25	3/4	20	198 000 873	
32	1	25	198 000 874	
40	1 1/4	32	198 000 875	
50	1 1/2	40	198 000 876	
63	2	50	198 000 877	

Seal set

Model:

- Spindle seal and piston seal



Size	Diastar Six/Ten/ Sixteen Code	Only for Diastar Six DN40/DN50 Code	
Gr. 1	198 000 881	-	
Gr. 2	198 000 882	-	
Gr. 3	198 000 883	198 000 886	
Gr. 4	198 000 884	-	
Gr. 5	198 000 885	-	

Spare parts diaphragm

For type 514/515/517/519



d [mm]	Inch	DN [mm]	NBR Code	EPDM Code	FPM Code	PTFE/EPDM Code	PTFE/EPDM HP Code	
20	1/2	15	745 500 012	748 500 012	749 500 012	747 502 012	747 502 032	
25	3/4	20	745 500 013	748 500 013	749 500 013	747 502 013	747 502 033	
32	1	25	745 500 014	748 500 014	749 500 014	747 502 014	747 502 034	
40	1 1/4	32	745 500 015	748 500 015	749 500 015	747 502 015	747 502 035	
50	1 1/2	40	745 500 016	748 500 016	749 500 016	747 502 016	747 502 036	
63	2	50	745 500 017	748 500 017	749 500 017	747 502 017	747 502 037	

d [mm]	Inch	DN [mm]	PTFE/FPM Code	
20	1/2	15	747 503 012	
25	3/4	20	747 503 013	
32	1	25	747 503 014	
40	1 1/4	32	747 503 015	
50	1 1/2	40	747 503 016	
63	2	50	747 503 017	

Spare parts for valve body type 514

Valve body with true union

Model:

- Without connection parts



d [mm]	Inch	DN [mm]	PVC-U Code	PVC-C Code	ABS Code	PP-H Code	PVDF Code	
20	1/2	15	161 492 062	163 482 052	169 481 322	167 483 522	175 483 682	
25	3/4	20	161 492 063	163 482 053	169 481 323	167 483 523	175 483 683	
32	1	25	161 492 064	163 482 054	169 481 324	167 483 524	175 483 684	
40	1 1/4	32	161 492 065	163 482 055	169 481 325	167 483 525	175 483 685	
50	1 1/2	40	161 492 066	163 482 056	169 481 326	167 483 526	175 483 686	
63	2	50	161 492 067	163 482 057	169 481 327	167 483 527	175 483 687	

table continued next page

d [mm]	Inch	DN [mm]	PVDF HP Code	
20	½	15	180 001 002	
25	¾	20	180 001 003	
32	1	25	180 001 004	
40	1 ¼	32	180 001 005	
50	1 ½	40	180 001 006	
63	2	50	180 001 007	



Union end

d [mm]	Inch	DN [mm]	PVC-U metric Code	PVC-U JIS Code	PVC-U BS Code	PVC-U ASTM Code	PP-H metric Code	
20	½	15	721 600 106	721 605 106	721 601 106	721 602 006	727 600 106	
25	¾	20	721 600 107	721 605 107	721 601 107	721 602 007	727 600 107	
32	1	25	721 600 108	721 605 108	721 601 108	721 602 008	727 600 108	
40	1 ¼	32	721 600 109	721 605 109	721 601 109	721 602 009	727 600 109	
50	1 ½	40	721 600 110	721 605 110	721 601 110	721 602 010	727 600 110	
63	2	50	721 600 111	721 605 111	721 601 111	721 602 011	727 600 111	

d [mm]	Inch	DN [mm]	PVDF metric Code	
20	½	15	735 600 106	
25	¾	20	735 600 107	
32	1	25	735 600 108	
40	1 ¼	32	735 600 109	
50	1 ½	40	735 600 110	
63	2	50	735 600 111	



Union nut

d [mm]	Inch	DN [mm]	PVC-U Code	PVC-C Code	ABS Code	PP-H Code	PVDF Code	
20	½	15	721 690 006	723 690 006	729 690 406	727 690 406	735 690 406	
25	¾	20	721 690 007	723 690 007	729 690 407	727 690 407	735 690 407	
32	1	25	721 690 008	723 690 008	729 690 408	727 690 408	735 690 408	
40	1 ¼	32	721 690 009	723 690 009	729 690 409	727 690 409	735 690 409	
50	1 ½	40	721 690 010	723 690 010	729 690 410	727 690 410	735 690 410	
63	2	50	721 690 011	723 690 011	729 690 411	727 690 411	735 690 411	



O-ring

d [mm]	Inch	DN [mm]	EPDM Code	FPM Code	FPM for PVDF standard Code	FPM for PVDF-HP Code	
20	½	15	748 410 006	749 410 006	749 410 005	749 411 005	
25	¾	20	748 410 007	749 410 007	749 410 006	749 411 006	
32	1	25	748 410 008	749 410 008	749 410 120	749 411 120	
40	1 ¼	32	748 410 009	749 410 009	749 410 062	749 411 062	
50	1 ½	40	748 410 010	749 410 010	749 410 172	749 411 172	
63	2	50	748 410 011	749 410 011	749 410 054	749 411 054	

Spare parts for valve body type 515

Valve body with spigot ends



d [mm]	Inch	DN [mm]	PVC-U solvent cement spigot Code	PVC-C solvent cement spigot Code	ABS solvent cement spigot Code	
20	½	15	161 492 072	163 482 062	169 481 862	
25	¾	20	161 492 073	163 482 063	169 481 863	
32	1	25	161 492 074	163 482 064	169 481 864	
40	1 ¼	32	161 492 075	163 482 065	169 481 865	
50	1 ½	40	161 492 076	163 482 066	169 481 866	
63	2	50	161 492 077	163 482 067	169 481 867	



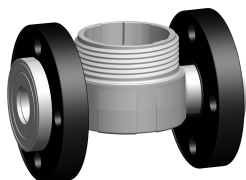
d [mm]	Inch	DN [mm]	PP-H socket fusion spigot Code	PP-H butt fusion spigot IR Code	PP-N butt fusion spigot IR Code	
20	½	15	167 483 342	167 483 882	168 480 462	
25	¾	20	167 483 343	167 483 883	168 480 463	
32	1	25	167 483 344	167 483 884	168 480 464	
40	1 ¼	32	167 483 345	167 483 885	168 480 465	
50	1 ½	40	167 483 346	167 483 886	168 480 466	
63	2	50	167 483 347	167 483 887	168 480 467	



d [mm]	Inch	DN [mm]	PVDF socket fusion spigot Code	PVDF butt fusion spigot IR Code	PVDF-HP butt fusion spigot IR Code	
20	½	15	175 483 692	175 483 742	180 001 012	
25	¾	20	175 483 693	175 483 743	180 001 013	
32	1	25	175 483 694	175 483 744	180 001 014	
40	1 ¼	32	175 483 695	175 483 745	180 001 015	
50	1 ½	40	175 483 696	175 483 746	180 001 016	
63	2	50	175 483 697	175 483 747	180 001 017	

Spare parts for valve body type 517

Valve body with flange connection



d [mm]	Inch	DN [mm]	PVC-U JIS Code	PP-H JIS Code	PVDF JIS Code	
20	½	15	161 480 282	167 484 402	175 483 532	
25	¾	20	161 480 283	167 484 403	175 483 533	
32	1	25	161 480 284	167 484 404	175 483 534	
40	1 ¼	32	161 480 285	167 484 405	175 483 535	
50	1 ½	40	161 480 286	167 484 406	175 483 536	
63	2	50	161 480 287	167 484 407	175 483 537	

Flange adaptor flat



d [mm]	Inch	DN [mm]	PVC-U metric Code	PVC-C metric Code	ABS metric Code	PP-H metric Code	
20	½	15	721 800 106	723 790 106	729 790 106	727 790 206	
25	¾	20	721 800 107	723 790 107	729 790 107	727 790 207	
32	1	25	721 800 108	723 790 108	729 790 108	727 790 208	
40	1 ¼	32	721 800 109	723 790 109	729 790 109	727 790 209	
50	1 ½	40	721 800 110	723 790 110	729 790 110	727 790 210	
63	2	50	721 790 111	723 790 111	729 790 111	727 790 211	

d [mm]	Inch	DN [mm]	PVDF metric Code	
20	½	15	735 790 206	
25	¾	20	735 790 207	
32	1	25	735 790 208	

table continued next page

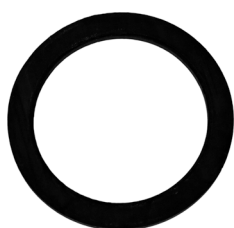
d [mm]	Inch	DN [mm]	PVDF metric Code	
40	1 ¼	32	735 790 209	
50	1 ½	40	735 790 210	
63	2	50	735 790 211	



Flange

d [mm]	Inch	DN [mm]	PVC-U metric Code	PVC-U ASTM Code	PP-V metric Code	PP-V ASTM Code	PP-ST metric Code	
20	½	15	721 700 006	721 702 206	727 700 406	727 701 406	727 700 206	
25	¾	20	721 700 007	721 702 207	727 700 407	727 701 407	727 700 207	
32	1	25	721 700 008	721 702 208	727 700 408	727 701 408	727 700 208	
40	1 ¼	32	721 700 009	721 702 209	727 700 409	727 701 409	727 700 209	
50	1 ½	40	721 700 010	721 702 210	727 700 410	727 701 410	727 700 210	
63	2	50	721 700 011	721 702 211	727 700 411	727 701 411	727 700 211	

d [mm]	Inch	DN [mm]	PP-ST ASTM Code	
20	½	15	727 701 206	
25	¾	20	727 701 207	
32	1	25	727 701 208	
40	1 ¼	32	727 701 209	
50	1 ½	40	727 701 210	
63	2	50	727 701 211	



Flat gasket

d [mm]	Inch	DN [mm]	EPDM Code	FPM Code	
20	½	15	748 400 006	749 400 006	
25	¾	20	748 400 007	749 400 007	
32	1	25	748 400 008	749 400 008	
40	1 ¼	32	748 400 009	749 400 009	
50	1 ½	40	748 400 010	749 400 010	
63	2	50	748 400 011	749 400 011	

Spare parts for valve body type 519

Valve body with butt fusion spigot



d [mm]	Inch	PP-H Code	PP-Natur Code	PVDF-HP Code	
20 - 20	½	167 485 911	168 480 601	180 001 101	
25 - 20	¾	167 485 912	168 480 602	180 001 102	
25 - 25	¾	167 485 913	168 480 603	180 001 103	
32 - 20	1	167 485 914	168 480 604	180 001 104	
32 - 25	1	167 485 915	168 480 605	180 001 105	
32 - 32	1	167 485 916	168 480 606	180 001 106	
40 - 20	1 ¼	167 485 917	168 480 607	180 001 107	
40 - 25	1 ¼	-	-	180 001 108	
40 - 32	1 ¼	-	-	180 001 109	
40 - 40	1 ¼	-	-	180 001 110	
50 - 20	1 ½	167 485 922	168 480 611	180 001 111	
50 - 25	1 ½	167 485 923	168 480 612	180 001 112	
50 - 32	1 ½	167 485 924	168 480 613	180 001 113	
50 - 40	1 ½	-	-	180 001 114	
50 - 50	1 ½	-	-	180 001 115	
63 - 20	2	167 485 927	168 480 616	180 001 116	
63 - 25	2	167 485 928	168 480 617	180 001 117	
63 - 32	2	167 485 929	168 480 618	180 001 118	
63 - 40	2	-	-	180 001 119	
63 - 50	2	-	-	180 001 120	
63 - 63	2	-	-	180 001 121	
90 - 25	3	-	-	180 001 126	
90 - 32	3	-	-	180 001 127	

table continued next page

d [mm]	Inch	PP-H Code	PP-Natur Code	PVDF-HP Code	
90 - 50	3	-	-	180 001 128	
90 - 63	3	-	-	180 001 129	
110 - 20	4	-	-	180 001 130	
110 - 25	4	-	-	180 001 131	
110 - 32	4	-	-	180 001 132	
110 - 50	4	-	-	180 001 133	
110 - 63	4	-	-	180 001 134	

Index

Code	Page
-	16
161 480 282	220
161 480 283	220
161 480 284	220
161 480 285	220
161 480 286	220
161 480 287	220
161 492 062	218
161 492 063	218
161 492 064	218
161 492 065	218
161 492 066	218
161 492 067	218
161 492 072	220
161 492 073	220
161 492 074	220
161 492 075	220
161 492 076	220
161 492 077	220
161 514 001	12
161 514 002	12
161 514 003	12
161 514 004	12
161 514 005	12
161 514 006	12
161 514 007	12
161 514 011	12
161 514 012	12
161 514 013	12
161 514 014	12
161 514 015	12
161 514 016	12
161 514 017	12
161 514 021	28
161 514 022	28
161 514 023	28
161 514 024	28
161 514 025	28
161 514 026	28
161 514 027	28
161 514 031	12
161 514 032	12
161 514 033	12
161 514 034	12
161 514 035	12
161 514 036	12
161 514 037	12
161 514 061	12
161 514 062	12
161 514 063	12
161 514 064	12
161 514 065	12
161 514 066	12
161 514 067	12
161 514 071	28
161 514 072	28
161 514 073	28
161 514 074	28
161 514 075	28
161 514 076	28
161 514 077	28
161 514 212	14
161 514 213	14
161 514 214	14
161 514 215	14
161 514 216	14
161 514 217	14
161 514 312	14

Code	Page
161 514 313	14
161 514 314	14
161 514 315	14
161 514 316	14
161 514 317	14
161 514 402	13
161 514 403	13
161 514 404	13
161 514 405	13
161 514 406	13
161 514 407	13
161 514 412	13
161 514 413	13
161 514 414	13
161 514 415	13
161 514 416	13
161 514 417	13
161 514 422	28
161 514 423	28
161 514 424	28
161 514 425	28
161 514 426	28
161 514 427	28
161 514 432	13
161 514 433	13
161 514 434	13
161 514 435	13
161 514 436	13
161 514 437	13
161 514 462	13
161 514 463	13
161 514 464	13
161 514 465	13
161 514 466	13
161 514 467	13
161 514 472	28
161 514 473	28
161 514 474	28
161 514 475	28
161 514 476	28
161 514 477	28
161 514 502	31
161 514 503	31
161 514 504	31
161 514 505	31
161 514 506	31
161 514 507	31
161 514 512	31
161 514 513	31
161 514 514	31
161 514 515	31
161 514 516	31
161 514 517	31
161 514 522	48
161 514 523	48
161 514 524	48
161 514 525	48
161 514 526	48
161 514 527	48
161 514 532	31
161 514 533	31
161 514 534	31
161 514 535	31
161 514 536	31
161 514 537	31
161 514 562	31
161 514 563	31
161 514 564	31

Code	Page
161 514 565	31
161 514 566	31
161 514 567	31
161 514 572	48
161 514 573	48
161 514 574	48
161 514 575	48
161 514 576	48
161 514 577	48
161 514 612	36
161 514 613	36
161 514 614	36
161 514 615	36
161 514 616	36
161 514 617	36
161 514 622	48
161 514 623	48
161 514 624	48
161 514 625	48
161 514 626	48
161 514 627	48
161 514 632	36
161 514 633	36
161 514 634	36
161 514 635	36
161 514 636	36
161 514 637	36
161 514 672	48
161 514 673	48
161 514 674	48
161 514 675	48
161 514 676	48
161 514 677	48
161 514 712	36
161 514 713	36
161 514 714	36
161 514 715	36
161 514 716	36
161 514 717	36
161 514 732	36
161 514 733	36
161 514 734	36
161 514 735	36
161 514 736	36
161 514 737	36
161 514 812	50
161 514 813	50
161 514 814	50
161 514 815	50
161 514 816	50
161 514 817	50
161 514 822	62
161 514 823	62
161 514 824	62
161 514 825	62
161 514 826	62
161 514 827	62
161 514 832	50
161 514 833	50
161 514 834	50
161 514 835	50
161 514 836	50
161 514 837	50
161 514 872	62
161 514 873	62
161 514 874	62
161 514 875	62
161 514 876	62

Index

Code	Page	Code	Page	Code	Page
161 514 877	62	161 517 013	15	161 517 935	51
161 514 912	50	161 517 014	15	161 517 936	51
161 514 913	50	161 517 015	15	161 517 937	51
161 514 914	50	161 517 016	15	161 517 972	63
161 514 915	50	161 517 017	15	161 517 973	63
161 514 916	50	161 517 022	30	161 517 974	63
161 514 917	50	161 517 023	30	161 517 975	63
161 514 922	62	161 517 024	30	161 517 976	63
161 514 923	62	161 517 025	30	161 517 977	63
161 514 924	62	161 517 026	30	161 614 011	16
161 514 925	62	161 517 027	30	161 614 012	16
161 514 926	62	161 517 032	15	161 614 013	16
161 514 927	62	161 517 033	15	161 614 014	16
161 514 932	50	161 517 034	15	161 614 015	16
161 514 933	50	161 517 035	15	161 614 016	16
161 514 934	50	161 517 036	15	161 614 017	16
161 514 935	50	161 517 037	15	161 614 412	17
161 514 936	50	161 517 062	15	161 614 413	17
161 514 937	50	161 517 063	15	161 614 414	17
161 514 972	62	161 517 064	15	161 614 415	17
161 514 973	62	161 517 065	15	161 614 416	17
161 514 974	62	161 517 066	15	161 614 417	17
161 514 975	62	161 517 067	15	161 614 512	32
161 514 976	62	161 517 072	30	161 614 513	32
161 514 977	62	161 517 073	30	161 614 514	32
161 515 002	15	161 517 074	30	161 614 515	32
161 515 003	15	161 517 075	30	161 614 516	32
161 515 004	15	161 517 076	30	161 614 517	32
161 515 005	15	161 517 077	30	161 614 612	38
161 515 006	15	161 517 612	37	161 614 613	38
161 515 007	15	161 517 613	37	161 614 614	38
161 515 012	15	161 517 614	37	161 614 615	38
161 515 013	15	161 517 615	37	161 614 616	38
161 515 014	15	161 517 616	37	161 614 617	38
161 515 015	15	161 517 617	37	161 614 712	38
161 515 016	15	161 517 622	49	161 614 713	38
161 515 017	15	161 517 623	49	161 614 714	38
161 515 022	29	161 517 624	49	161 614 715	38
161 515 023	29	161 517 625	49	161 614 716	38
161 515 024	29	161 517 626	49	161 614 717	38
161 515 025	29	161 517 627	49	161 614 812	52
161 515 026	29	161 517 632	37	161 614 813	52
161 515 027	29	161 517 633	37	161 614 814	52
161 515 032	15	161 517 634	37	161 614 815	52
161 515 033	15	161 517 635	37	161 614 816	52
161 515 034	15	161 517 636	37	161 614 817	52
161 515 035	15	161 517 637	37	161 614 912	52
161 515 036	15	161 517 672	49	161 614 913	52
161 515 037	15	161 517 673	49	161 614 914	52
161 515 062	15	161 517 674	49	161 614 915	52
161 515 063	15	161 517 675	49	161 614 916	52
161 515 064	15	161 517 676	49	161 614 917	52
161 515 065	15	161 517 677	49	161 615 012	17
161 515 066	15	161 517 912	51	161 615 013	17
161 515 067	15	161 517 913	51	161 615 014	17
161 515 072	29	161 517 914	51	161 615 015	17
161 515 073	29	161 517 915	51	161 615 016	17
161 515 074	29	161 517 916	51	161 615 017	17
161 515 075	29	161 517 917	51	161 617 012	18
161 515 076	29	161 517 922	63	161 617 013	18
161 515 077	29	161 517 923	63	161 617 014	18
161 517 002	15	161 517 924	63	161 617 015	18
161 517 003	15	161 517 925	63	161 617 016	18
161 517 004	15	161 517 926	63	161 617 017	18
161 517 005	15	161 517 927	63	161 617 612	39
161 517 006	15	161 517 932	51	161 617 613	39
161 517 007	15	161 517 933	51	161 617 614	39
161 517 012	15	161 517 934	51	161 617 615	39

Index

Code	Page
161 617 616	39
161 617 617	39
161 617 912	53
161 617 913	53
161 617 914	53
161 617 915	53
161 617 916	53
161 617 917	53
161 617 922	64
161 617 923	64
161 617 924	64
161 617 925	64
161 617 926	64
161 617 927	64
161 624 011	18
161 624 012	18
161 624 013	18
161 624 014	18
161 624 015	18
161 624 016	18
161 624 017	18
161 624 031	18
161 624 032	18
161 624 033	18
161 624 034	18
161 624 035	18
161 624 036	18
161 624 037	18
161 624 052	18
161 624 053	18
161 624 054	18
161 624 055	18
161 624 056	18
161 624 057	18
161 624 061	18
161 624 062	18
161 624 063	18
161 624 064	18
161 624 065	18
161 624 066	18
161 624 067	18
161 624 512	32
161 624 513	32
161 624 514	32
161 624 515	32
161 624 516	32
161 624 517	32
161 624 532	32
161 624 533	32
161 624 534	32
161 624 535	32
161 624 536	32
161 624 537	32
161 624 612	40
161 624 613	40
161 624 614	40
161 624 615	40
161 624 616	40
161 624 617	40
161 624 632	40
161 624 633	40
161 624 634	40
161 624 635	40
161 624 636	40
161 624 637	40
161 624 712	40
161 624 713	40
161 624 714	40

Code	Page
161 624 715	40
161 624 716	40
161 624 717	40
161 624 732	40
161 624 733	40
161 624 734	40
161 624 735	40
161 624 736	40
161 624 737	40
161 624 812	54
161 624 813	54
161 624 814	54
161 624 815	54
161 624 816	54
161 624 817	54
161 624 832	54
161 624 833	54
161 624 834	54
161 624 835	54
161 624 836	54
161 624 837	54
161 624 912	54
161 624 913	54
161 624 914	54
161 624 915	54
161 624 916	54
161 624 917	54
161 624 932	54
161 624 933	54
161 624 934	54
161 624 935	54
161 624 936	54
161 624 937	54
161 625 012	19
161 625 013	19
161 625 014	19
161 625 015	19
161 625 016	19
161 625 017	19
161 625 032	19
161 625 033	19
161 625 034	19
161 625 035	19
161 625 036	19
161 625 037	19
161 627 012	20
161 627 013	20
161 627 014	20
161 627 015	20
161 627 016	20
161 627 017	20
161 627 032	20
161 627 033	20
161 627 034	20
161 627 035	20
161 627 036	20
161 627 037	20
161 627 052	20
161 627 053	20
161 627 054	20
161 627 055	20
161 627 056	20
161 627 057	20
161 627 062	20
161 627 063	20
161 627 064	20
161 627 065	20
161 627 066	20

Code	Page
161 627 067	20
161 627 612	41
161 627 613	41
161 627 614	41
161 627 615	41
161 627 616	41
161 627 617	41
161 627 632	41
161 627 633	41
161 627 634	41
161 627 635	41
161 627 636	41
161 627 637	41
161 627 912	55
161 627 913	55
161 627 914	55
161 627 915	55
161 627 916	55
161 627 917	55
161 627 922	65
161 627 923	65
161 627 924	65
161 627 925	65
161 627 926	65
161 627 927	65
161 627 932	55
161 627 933	55
161 627 934	55
161 627 935	55
161 627 936	55
161 627 937	55
161 627 972	65
161 627 973	65
161 627 974	65
161 627 975	65
161 627 976	65
161 627 977	65
161 644 011	21
161 644 012	21
161 644 013	21
161 644 014	21
161 644 015	21
161 644 016	21
161 644 017	21
161 644 031	21
161 644 032	21
161 644 033	21
161 644 034	21
161 644 035	21
161 644 036	21
161 644 037	21
161 644 512	33
161 644 513	33
161 644 514	33
161 644 515	33
161 644 516	33
161 644 517	33
161 644 532	33
161 644 533	33
161 644 534	33
161 644 535	33
161 644 536	33
161 644 537	33
161 644 612	42
161 644 613	42
161 644 614	42
161 644 615	42
161 644 616	42

Index

Code	Page	Code	Page	Code	Page
161 644 617	42	161 647 613	43	161 654 633	44
161 644 632	42	161 647 614	43	161 654 634	44
161 644 633	42	161 647 615	43	161 654 635	44
161 644 634	42	161 647 616	43	161 654 636	44
161 644 635	42	161 647 617	43	161 654 637	44
161 644 636	42	161 647 632	43	161 654 712	44
161 644 637	42	161 647 633	43	161 654 713	44
161 644 712	42	161 647 634	43	161 654 714	44
161 644 713	42	161 647 635	43	161 654 715	44
161 644 714	42	161 647 636	43	161 654 716	44
161 644 715	42	161 647 637	43	161 654 717	44
161 644 716	42	161 647 912	57	161 654 732	44
161 644 717	42	161 647 913	57	161 654 733	44
161 644 732	42	161 647 914	57	161 654 734	44
161 644 733	42	161 647 915	57	161 654 735	44
161 644 734	42	161 647 916	57	161 654 736	44
161 644 735	42	161 647 917	57	161 654 737	44
161 644 736	42	161 647 922	66	161 654 812	58
161 644 737	42	161 647 923	66	161 654 813	58
161 644 812	56	161 647 924	66	161 654 814	58
161 644 813	56	161 647 925	66	161 654 815	58
161 644 814	56	161 647 926	66	161 654 816	58
161 644 815	56	161 647 927	66	161 654 817	58
161 644 816	56	161 647 932	57	161 654 832	58
161 644 817	56	161 647 933	57	161 654 833	58
161 644 832	56	161 647 934	57	161 654 834	58
161 644 833	56	161 647 935	57	161 654 835	58
161 644 834	56	161 647 936	57	161 654 836	58
161 644 835	56	161 647 937	57	161 654 837	58
161 644 836	56	161 647 972	66	161 654 912	58
161 644 837	56	161 647 973	66	161 654 913	58
161 644 912	56	161 647 974	66	161 654 914	58
161 644 913	56	161 647 975	66	161 654 915	58
161 644 914	56	161 647 976	66	161 654 916	58
161 644 915	56	161 647 977	66	161 654 917	58
161 644 916	56	161 654 011	23	161 654 932	58
161 644 917	56	161 654 012	23	161 654 933	58
161 644 932	56	161 654 013	23	161 654 934	58
161 644 933	56	161 654 014	23	161 654 935	58
161 644 934	56	161 654 015	23	161 654 936	58
161 644 935	56	161 654 016	23	161 654 937	58
161 644 936	56	161 654 017	23	161 655 012	24
161 644 937	56	161 654 031	23	161 655 013	24
161 645 012	22	161 654 032	23	161 655 014	24
161 645 013	22	161 654 033	23	161 655 015	24
161 645 014	22	161 654 034	23	161 655 016	24
161 645 015	22	161 654 035	23	161 655 017	24
161 645 016	22	161 654 036	23	161 655 032	24
161 645 017	22	161 654 037	23	161 655 033	24
161 645 032	22	161 654 512	34	161 655 034	24
161 645 033	22	161 654 513	34	161 655 035	24
161 645 034	22	161 654 514	34	161 655 036	24
161 645 035	22	161 654 515	34	161 655 037	24
161 645 036	22	161 654 516	34	161 657 012	24
161 645 037	22	161 654 517	34	161 657 013	24
161 647 012	22	161 654 532	34	161 657 014	24
161 647 013	22	161 654 533	34	161 657 015	24
161 647 014	22	161 654 534	34	161 657 016	24
161 647 015	22	161 654 535	34	161 657 017	24
161 647 016	22	161 654 536	34	161 657 032	24
161 647 017	22	161 654 537	34	161 657 033	24
161 647 032	22	161 654 612	44	161 657 034	24
161 647 033	22	161 654 613	44	161 657 035	24
161 647 034	22	161 654 614	44	161 657 036	24
161 647 035	22	161 654 615	44	161 657 037	24
161 647 036	22	161 654 616	44	161 657 612	45
161 647 037	22	161 654 617	44	161 657 613	45
161 647 612	43	161 654 632	44	161 657 614	45

Index

Code	Page
161 657 615	45
161 657 616	45
161 657 617	45
161 657 632	45
161 657 633	45
161 657 634	45
161 657 635	45
161 657 636	45
161 657 637	45
161 657 912	59
161 657 913	59
161 657 914	59
161 657 915	59
161 657 916	59
161 657 917	59
161 657 922	67
161 657 923	67
161 657 924	67
161 657 925	67
161 657 926	67
161 657 927	67
161 657 932	59
161 657 933	59
161 657 934	59
161 657 935	59
161 657 936	59
161 657 937	59
161 657 972	67
161 657 973	67
161 657 974	67
161 657 975	67
161 657 976	67
161 657 977	67
161 684 011	25
161 684 012	25
161 684 013	25
161 684 014	25
161 684 015	25
161 684 016	25
161 684 017	25
161 684 031	25
161 684 032	25
161 684 033	25
161 684 034	25
161 684 035	25
161 684 036	25
161 684 037	25
161 684 052	25
161 684 053	25
161 684 054	25
161 684 055	25
161 684 056	25
161 684 057	25
161 684 061	25
161 684 062	25
161 684 063	25
161 684 064	25
161 684 065	25
161 684 066	25
161 684 067	25
161 684 512	34
161 684 513	34
161 684 514	34
161 684 515	34
161 684 516	34
161 684 517	34
161 684 532	34
161 684 533	34

Code	Page
161 684 534	34
161 684 535	34
161 684 536	34
161 684 537	34
161 684 612	46
161 684 613	46
161 684 614	46
161 684 615	46
161 684 616	46
161 684 617	46
161 684 632	46
161 684 633	46
161 684 634	46
161 684 635	46
161 684 636	46
161 684 637	46
161 684 712	46
161 684 713	46
161 684 714	46
161 684 715	46
161 684 716	46
161 684 717	46
161 684 732	46
161 684 733	46
161 684 734	46
161 684 735	46
161 684 736	46
161 684 737	46
161 684 812	60
161 684 813	60
161 684 814	60
161 684 815	60
161 684 816	60
161 684 817	60
161 684 822	69
161 684 823	69
161 684 824	69
161 684 825	69
161 684 826	69
161 684 827	69
161 684 832	60
161 684 833	60
161 684 834	60
161 684 835	60
161 684 836	60
161 684 837	60
161 684 872	69
161 684 873	69
161 684 874	69
161 684 875	69
161 684 876	69
161 684 877	69
161 684 912	60
161 684 913	60
161 684 914	60
161 684 915	60
161 684 916	60
161 684 917	60
161 684 922	69
161 684 923	69
161 684 924	69
161 684 925	69
161 684 926	69
161 684 927	69
161 684 932	60
161 684 933	60
161 684 934	60
161 684 935	60

Code	Page
161 684 936	60
161 684 937	60
161 684 972	69
161 684 973	69
161 684 974	69
161 684 975	69
161 684 976	69
161 684 977	69
161 685 012	26
161 685 013	26
161 685 014	26
161 685 015	26
161 685 016	26
161 685 017	26
161 685 032	26
161 685 033	26
161 685 034	26
161 685 035	26
161 685 036	26
161 685 037	26
161 687 012	27
161 687 013	27
161 687 014	27
161 687 015	27
161 687 016	27
161 687 017	27
161 687 032	27
161 687 033	27
161 687 034	27
161 687 035	27
161 687 036	27
161 687 037	27
161 687 052	27
161 687 053	27
161 687 054	27
161 687 055	27
161 687 056	27
161 687 057	27
161 687 062	27
161 687 063	27
161 687 064	27
161 687 065	27
161 687 066	27
161 687 067	27
161 687 612	47
161 687 613	47
161 687 614	47
161 687 615	47
161 687 616	47
161 687 617	47
161 687 632	47
161 687 633	47
161 687 634	47
161 687 635	47
161 687 636	47
161 687 637	47
161 687 912	61
161 687 913	61
161 687 914	61
161 687 915	61
161 687 916	61
161 687 917	61
161 687 922	68
161 687 923	68
161 687 924	68
161 687 925	68
161 687 926	68
161 687 927	68

Index

Code	Page	Code	Page	Code	Page
161 687 932	61	163 515 034	71	163 615 016	73
161 687 933	61	163 515 035	71	163 615 017	73
161 687 934	61	163 515 036	71	163 617 112	74
161 687 935	61	163 515 037	71	163 617 113	74
161 687 936	61	163 517 112	72	163 617 114	74
161 687 937	61	163 517 113	72	163 617 115	74
161 687 972	68	163 517 114	72	163 617 116	74
161 687 973	68	163 517 115	72	163 617 117	74
161 687 974	68	163 517 116	72	163 617 712	85
161 687 975	68	163 517 117	72	163 617 713	85
161 687 976	68	163 517 132	72	163 617 714	85
161 687 977	68	163 517 133	72	163 617 715	85
163 482 052	218	163 517 134	72	163 617 716	85
163 482 053	218	163 517 135	72	163 617 717	85
163 482 054	218	163 517 136	72	163 624 012	75
163 482 055	218	163 517 137	72	163 624 013	75
163 482 056	218	163 517 712	83	163 624 014	75
163 482 057	218	163 517 713	83	163 624 015	75
163 482 062	220	163 517 714	83	163 624 016	75
163 482 063	220	163 517 715	83	163 624 017	75
163 482 064	220	163 517 716	83	163 624 032	75
163 482 065	220	163 517 717	83	163 624 033	75
163 482 066	220	163 517 722	93	163 624 034	75
163 482 067	220	163 517 723	93	163 624 035	75
163 514 012	71	163 517 724	93	163 624 036	75
163 514 013	71	163 517 725	93	163 624 037	75
163 514 014	71	163 517 726	93	163 624 612	86
163 514 015	71	163 517 727	93	163 624 613	86
163 514 016	71	163 517 732	83	163 624 614	86
163 514 017	71	163 517 733	83	163 624 615	86
163 514 032	71	163 517 734	83	163 624 616	86
163 514 033	71	163 517 735	83	163 624 617	86
163 514 034	71	163 517 736	83	163 624 632	86
163 514 035	71	163 517 737	83	163 624 633	86
163 514 036	71	163 517 772	93	163 624 634	86
163 514 037	71	163 517 773	93	163 624 635	86
163 514 612	83	163 517 774	93	163 624 636	86
163 514 613	83	163 517 775	93	163 624 637	86
163 514 614	83	163 517 776	93	163 625 012	75
163 514 615	83	163 517 777	93	163 625 013	75
163 514 616	83	163 517 812	95	163 625 014	75
163 514 617	83	163 517 813	95	163 625 015	75
163 514 622	93	163 517 814	95	163 625 016	75
163 514 623	93	163 517 815	95	163 625 017	75
163 514 624	93	163 517 816	95	163 625 032	75
163 514 625	93	163 517 817	95	163 625 033	75
163 514 626	93	163 517 832	95	163 625 034	75
163 514 627	93	163 517 833	95	163 625 035	75
163 514 632	83	163 517 834	95	163 625 036	75
163 514 633	83	163 517 835	95	163 625 037	75
163 514 634	83	163 517 836	95	163 627 112	76
163 514 635	83	163 517 837	95	163 627 113	76
163 514 636	83	163 614 012	73	163 627 114	76
163 514 637	83	163 614 013	73	163 627 115	76
163 514 672	93	163 614 014	73	163 627 116	76
163 514 673	93	163 614 015	73	163 627 117	76
163 514 674	93	163 614 016	73	163 627 132	76
163 514 675	93	163 614 017	73	163 627 133	76
163 514 676	93	163 614 612	85	163 627 134	76
163 514 677	93	163 614 613	85	163 627 135	76
163 515 012	71	163 614 614	85	163 627 136	76
163 515 013	71	163 614 615	85	163 627 137	76
163 515 014	71	163 614 616	85	163 627 712	87
163 515 015	71	163 614 617	85	163 627 713	87
163 515 016	71	163 615 012	73	163 627 714	87
163 515 017	71	163 615 013	73	163 627 715	87
163 515 032	71	163 615 014	73	163 627 716	87
163 515 033	71	163 615 015	73	163 627 717	87

Index

Code	Page
163 627 732	87
163 627 733	87
163 627 734	87
163 627 735	87
163 627 736	87
163 627 737	87
163 644 012	77
163 644 013	77
163 644 014	77
163 644 015	77
163 644 016	77
163 644 017	77
163 644 032	77
163 644 033	77
163 644 034	77
163 644 035	77
163 644 036	77
163 644 037	77
163 644 612	88
163 644 613	88
163 644 614	88
163 644 615	88
163 644 616	88
163 644 617	88
163 644 632	88
163 644 633	88
163 644 634	88
163 644 635	88
163 644 636	88
163 644 637	88
163 645 012	77
163 645 013	77
163 645 014	77
163 645 015	77
163 645 016	77
163 645 017	77
163 645 032	77
163 645 033	77
163 645 034	77
163 645 035	77
163 645 036	77
163 645 037	77
163 647 112	78
163 647 113	78
163 647 114	78
163 647 115	78
163 647 116	78
163 647 117	78
163 647 132	78
163 647 133	78
163 647 134	78
163 647 135	78
163 647 136	78
163 647 137	78
163 647 712	88
163 647 713	88
163 647 714	88
163 647 715	88
163 647 716	88
163 647 717	88
163 647 732	88
163 647 733	88
163 647 734	88
163 647 735	88
163 647 736	88
163 647 737	88
163 654 012	79
163 654 013	79

Code	Page
163 654 014	79
163 654 015	79
163 654 016	79
163 654 017	79
163 654 032	79
163 654 033	79
163 654 034	79
163 654 035	79
163 654 036	79
163 654 037	79
163 654 612	89
163 654 613	89
163 654 614	89
163 654 615	89
163 654 616	89
163 654 617	89
163 654 632	89
163 654 633	89
163 654 634	89
163 654 635	89
163 654 636	89
163 654 637	89
163 655 012	79
163 655 013	79
163 655 014	79
163 655 015	79
163 655 016	79
163 655 017	79
163 655 032	79
163 655 033	79
163 655 034	79
163 655 035	79
163 655 036	79
163 655 037	79
163 657 112	80
163 657 113	80
163 657 114	80
163 657 115	80
163 657 116	80
163 657 117	80
163 657 132	80
163 657 133	80
163 657 134	80
163 657 135	80
163 657 136	80
163 657 137	80
163 657 712	90
163 657 713	90
163 657 714	90
163 657 715	90
163 657 716	90
163 657 717	90
163 657 732	90
163 657 733	90
163 657 734	90
163 657 735	90
163 657 736	90
163 657 737	90
163 684 012	81
163 684 013	81
163 684 014	81
163 684 015	81
163 684 016	81
163 684 017	81
163 684 032	81
163 684 033	81
163 684 034	81
163 684 035	81

Code	Page
163 684 036	81
163 684 037	81
163 684 612	91
163 684 613	91
163 684 614	91
163 684 615	91
163 684 616	91
163 684 617	91
163 684 632	91
163 684 633	91
163 684 634	91
163 684 635	91
163 684 636	91
163 684 637	91
163 685 012	81
163 685 013	81
163 685 014	81
163 685 015	81
163 685 016	81
163 685 017	81
163 685 032	81
163 685 033	81
163 685 034	81
163 685 035	81
163 685 036	81
163 685 037	81
163 687 112	82
163 687 113	82
163 687 114	82
163 687 115	82
163 687 116	82
163 687 117	82
163 687 132	82
163 687 133	82
163 687 134	82
163 687 135	82
163 687 136	82
163 687 137	82
163 687 712	91
163 687 713	91
163 687 714	91
163 687 715	91
163 687 716	91
163 687 717	91
163 687 732	91
163 687 733	91
163 687 734	91
163 687 735	91
163 687 736	91
163 687 737	91
167 483 342	220
167 483 343	220
167 483 344	220
167 483 345	220
167 483 346	220
167 483 347	220
167 483 522	218
167 483 523	218
167 483 524	218
167 483 525	218
167 483 526	218
167 483 527	218
167 483 882	220
167 483 883	220
167 483 884	220
167 483 885	220
167 483 886	220
167 483 887	220

Index

Code	Page	Code	Page	Code	Page
167 484 402	220	167 514 113	114	167 515 025	166
167 484 403	220	167 514 114	114	167 515 026	166
167 484 404	220	167 514 115	114	167 515 027	166
167 484 405	220	167 514 116	114	167 515 032	115
167 484 406	220	167 514 117	114	167 515 033	115
167 484 407	220	167 514 122	165	167 515 034	115
167 484 992	216	167 514 123	165	167 515 035	115
167 484 993	216	167 514 124	165	167 515 036	115
167 484 994	216	167 514 125	165	167 515 037	115
167 484 995	216	167 514 126	165	167 515 062	115
167 484 996	216	167 514 127	165	167 515 063	115
167 484 997	216	167 514 132	114	167 515 064	115
167 485 911	221	167 514 133	114	167 515 065	115
167 485 912	221	167 514 134	114	167 515 066	115
167 485 913	221	167 514 135	114	167 515 067	115
167 485 914	221	167 514 136	114	167 515 072	166
167 485 915	221	167 514 137	114	167 515 073	166
167 485 916	221	167 514 162	114	167 515 074	166
167 485 917	221	167 514 163	114	167 515 075	166
167 485 922	221	167 514 164	114	167 515 076	166
167 485 923	221	167 514 165	114	167 515 077	166
167 485 924	221	167 514 166	114	167 515 102	116
167 485 927	221	167 514 167	114	167 515 103	116
167 485 928	221	167 514 172	165	167 515 104	116
167 485 929	221	167 514 173	165	167 515 105	116
167 514 002	113	167 514 174	165	167 515 106	116
167 514 003	113	167 514 175	165	167 515 107	116
167 514 004	113	167 514 176	165	167 515 112	116
167 514 005	113	167 514 177	165	167 515 113	116
167 514 006	113	167 514 212	113	167 515 114	116
167 514 007	113	167 514 213	113	167 515 115	116
167 514 012	113	167 514 214	113	167 515 116	116
167 514 013	113	167 514 215	113	167 515 117	116
167 514 014	113	167 514 216	113	167 515 122	167
167 514 015	113	167 514 217	113	167 515 123	167
167 514 016	113	167 514 232	113	167 515 124	167
167 514 017	113	167 514 233	113	167 515 125	167
167 514 022	165	167 514 234	113	167 515 126	167
167 514 023	165	167 514 235	113	167 515 127	167
167 514 024	165	167 514 236	113	167 515 132	116
167 514 025	165	167 514 237	113	167 515 133	116
167 514 026	165	167 514 312	115	167 515 134	116
167 514 027	165	167 514 313	115	167 515 135	116
167 514 032	113	167 514 314	115	167 515 136	116
167 514 033	113	167 514 315	115	167 515 137	116
167 514 034	113	167 514 316	115	167 515 162	116
167 514 035	113	167 514 317	115	167 515 163	116
167 514 036	113	167 514 332	115	167 515 164	116
167 514 037	113	167 514 333	115	167 515 165	116
167 514 062	113	167 514 334	115	167 515 166	116
167 514 063	113	167 514 335	115	167 515 167	116
167 514 064	113	167 514 336	115	167 515 172	167
167 514 065	113	167 514 337	115	167 515 173	167
167 514 066	113	167 515 002	115	167 515 174	167
167 514 067	113	167 515 003	115	167 515 175	167
167 514 072	165	167 515 004	115	167 515 176	167
167 514 073	165	167 515 005	115	167 515 177	167
167 514 074	165	167 515 006	115	167 517 102	117
167 514 075	165	167 515 007	115	167 517 103	117
167 514 076	165	167 515 012	115	167 517 104	117
167 514 077	165	167 515 013	115	167 517 105	117
167 514 102	114	167 515 014	115	167 517 106	117
167 514 103	114	167 515 015	115	167 517 107	117
167 514 104	114	167 515 016	115	167 517 112	117
167 514 105	114	167 515 017	115	167 517 113	117
167 514 106	114	167 515 022	166	167 517 114	117
167 514 107	114	167 515 023	166	167 517 115	117
167 514 112	114	167 515 024	166	167 517 116	117

Index

Code	Page
167 517 117	117
167 517 122	167
167 517 123	167
167 517 124	167
167 517 125	167
167 517 126	167
167 517 127	167
167 517 132	117
167 517 133	117
167 517 134	117
167 517 135	117
167 517 136	117
167 517 137	117
167 517 162	117
167 517 163	117
167 517 164	117
167 517 165	117
167 517 166	117
167 517 167	117
167 517 172	167
167 517 173	167
167 517 174	167
167 517 175	167
167 517 176	167
167 517 177	167
167 517 712	141
167 517 713	141
167 517 714	141
167 517 715	141
167 517 716	141
167 517 717	141
167 517 732	141
167 517 733	141
167 517 734	141
167 517 735	141
167 517 736	141
167 517 737	141
167 517 913	147
167 517 914	147
167 517 915	147
167 517 916	147
167 517 917	147
167 517 922	159
167 517 923	159
167 517 924	159
167 517 925	159
167 517 926	159
167 517 927	159
167 517 932	147
167 517 933	147
167 517 934	147
167 517 935	147
167 517 936	147
167 517 937	147
167 517 972	159
167 517 973	159
167 517 974	159
167 517 975	159
167 517 976	159
167 517 977	159
167 519 101	117
167 519 103	117
167 519 104	117
167 519 107	117
167 519 108	117
167 519 109	117
167 519 112	117
167 519 118	117

Code	Page
167 519 119	117
167 519 120	117
167 519 125	118
167 519 126	118
167 519 127	118
167 519 201	168
167 519 203	168
167 519 204	168
167 519 207	168
167 519 208	168
167 519 209	168
167 519 212	168
167 519 218	168
167 519 219	168
167 519 220	168
167 519 225	168
167 519 226	168
167 519 227	168
167 519 301	117
167 519 303	117
167 519 304	117
167 519 307	117
167 519 308	117
167 519 309	117
167 519 312	117
167 519 318	117
167 519 319	117
167 519 320	117
167 519 325	118
167 519 326	118
167 519 327	118
167 519 701	168
167 519 703	168
167 519 704	168
167 519 707	168
167 519 708	168
167 519 709	168
167 519 712	168
167 519 718	168
167 519 719	168
167 519 720	168
167 519 725	168
167 519 726	168
167 519 727	168
167 614 012	119
167 614 013	119
167 614 014	119
167 614 015	119
167 614 016	119
167 614 017	119
167 614 112	119
167 614 113	119
167 614 114	119
167 614 115	119
167 614 116	119
167 614 117	119
167 615 012	120
167 615 013	120
167 615 014	120
167 615 015	120
167 615 016	120
167 615 017	120
167 615 112	121
167 615 113	121
167 615 114	121
167 615 115	121
167 615 116	121
167 615 117	121

Code	Page
167 617 112	121
167 617 113	121
167 617 114	121
167 617 115	121
167 617 116	121
167 617 117	121
167 617 712	142
167 617 713	142
167 617 714	142
167 617 715	142
167 617 716	142
167 617 717	142
167 617 912	148
167 617 913	148
167 617 914	148
167 617 915	148
167 617 916	148
167 617 917	148
167 617 922	160
167 617 923	160
167 617 924	160
167 617 925	160
167 617 926	160
167 617 927	160
167 624 012	122
167 624 013	122
167 624 014	122
167 624 015	122
167 624 016	122
167 624 017	122
167 624 032	122
167 624 033	122
167 624 034	122
167 624 035	122
167 624 036	122
167 624 037	122
167 624 052	122
167 624 053	122
167 624 054	122
167 624 055	122
167 624 056	122
167 624 057	122
167 624 062	122
167 624 063	122
167 624 064	122
167 624 065	122
167 624 066	122
167 624 067	122
167 624 112	123
167 624 113	123
167 624 114	123
167 624 115	123
167 624 116	123
167 624 117	123
167 624 132	123
167 624 133	123
167 624 134	123
167 624 135	123
167 624 136	123
167 624 137	123
167 624 152	123
167 624 153	123
167 624 154	123
167 624 155	123
167 624 156	123
167 624 157	123
167 624 162	123
167 624 163	123

Index

Code	Page	Code	Page	Code	Page
167 624 164	123	167 627 916	149	167 647 112	129
167 624 165	123	167 627 917	149	167 647 113	129
167 624 166	123	167 627 922	161	167 647 114	129
167 624 167	123	167 627 923	161	167 647 115	129
167 625 012	123	167 627 924	161	167 647 116	129
167 625 013	123	167 627 925	161	167 647 117	129
167 625 014	123	167 627 926	161	167 647 132	129
167 625 015	123	167 627 927	161	167 647 133	129
167 625 016	123	167 627 932	149	167 647 134	129
167 625 017	123	167 627 933	149	167 647 135	129
167 625 032	123	167 627 934	149	167 647 136	129
167 625 033	123	167 627 935	149	167 647 137	129
167 625 034	123	167 627 936	149	167 647 712	144
167 625 035	123	167 627 937	149	167 647 713	144
167 625 036	123	167 627 972	161	167 647 714	144
167 625 037	123	167 627 973	161	167 647 715	144
167 625 112	124	167 627 974	161	167 647 716	144
167 625 113	124	167 627 975	161	167 647 717	144
167 625 114	124	167 627 976	161	167 647 732	144
167 625 115	124	167 627 977	161	167 647 733	144
167 625 116	124	167 644 012	126	167 647 734	144
167 625 117	124	167 644 013	126	167 647 735	144
167 625 132	124	167 644 014	126	167 647 736	144
167 625 133	124	167 644 015	126	167 647 737	144
167 625 134	124	167 644 016	126	167 647 912	150
167 625 135	124	167 644 017	126	167 647 913	150
167 625 136	124	167 644 032	126	167 647 914	150
167 625 137	124	167 644 033	126	167 647 915	150
167 627 112	125	167 644 034	126	167 647 916	150
167 627 113	125	167 644 035	126	167 647 917	150
167 627 114	125	167 644 036	126	167 647 922	162
167 627 115	125	167 644 037	126	167 647 923	162
167 627 116	125	167 644 112	126	167 647 924	162
167 627 117	125	167 644 113	126	167 647 925	162
167 627 132	125	167 644 114	126	167 647 926	162
167 627 133	125	167 644 115	126	167 647 927	162
167 627 134	125	167 644 116	126	167 647 932	150
167 627 135	125	167 644 117	126	167 647 933	150
167 627 136	125	167 644 132	126	167 647 934	150
167 627 137	125	167 644 133	126	167 647 935	150
167 627 152	125	167 644 134	126	167 647 936	150
167 627 153	125	167 644 135	126	167 647 937	150
167 627 154	125	167 644 136	126	167 647 972	162
167 627 155	125	167 644 137	126	167 647 973	162
167 627 156	125	167 645 012	127	167 647 974	162
167 627 157	125	167 645 013	127	167 647 975	162
167 627 162	125	167 645 014	127	167 647 976	162
167 627 163	125	167 645 015	127	167 647 977	162
167 627 164	125	167 645 016	127	167 654 012	130
167 627 165	125	167 645 017	127	167 654 013	130
167 627 166	125	167 645 032	127	167 654 014	130
167 627 167	125	167 645 033	127	167 654 015	130
167 627 712	143	167 645 034	127	167 654 016	130
167 627 713	143	167 645 035	127	167 654 017	130
167 627 714	143	167 645 036	127	167 654 032	130
167 627 715	143	167 645 037	127	167 654 033	130
167 627 716	143	167 645 112	128	167 654 034	130
167 627 717	143	167 645 113	128	167 654 035	130
167 627 732	143	167 645 114	128	167 654 036	130
167 627 733	143	167 645 115	128	167 654 037	130
167 627 734	143	167 645 116	128	167 654 112	130
167 627 735	143	167 645 117	128	167 654 113	130
167 627 736	143	167 645 132	128	167 654 114	130
167 627 737	143	167 645 133	128	167 654 115	130
167 627 912	149	167 645 134	128	167 654 116	130
167 627 913	149	167 645 135	128	167 654 117	130
167 627 914	149	167 645 136	128	167 654 132	130
167 627 915	149	167 645 137	128	167 654 133	130

Index

Code	Page
167 654 134	130
167 654 135	130
167 654 136	130
167 654 137	130
167 655 012	131
167 655 013	131
167 655 014	131
167 655 015	131
167 655 016	131
167 655 017	131
167 655 032	131
167 655 033	131
167 655 034	131
167 655 035	131
167 655 036	131
167 655 037	131
167 655 112	132
167 655 113	132
167 655 114	132
167 655 115	132
167 655 116	132
167 655 117	132
167 655 132	132
167 655 133	132
167 655 134	132
167 655 135	132
167 655 136	132
167 655 137	132
167 657 112	133
167 657 113	133
167 657 114	133
167 657 115	133
167 657 116	133
167 657 117	133
167 657 132	133
167 657 133	133
167 657 134	133
167 657 135	133
167 657 136	133
167 657 137	133
167 657 712	145
167 657 713	145
167 657 714	145
167 657 715	145
167 657 716	145
167 657 717	145
167 657 732	145
167 657 733	145
167 657 734	145
167 657 735	145
167 657 736	145
167 657 737	145
167 657 912	151
167 657 913	151
167 657 914	151
167 657 915	151
167 657 916	151
167 657 917	151
167 657 922	163
167 657 923	163
167 657 924	163
167 657 925	163
167 657 926	163
167 657 927	163
167 657 932	151
167 657 933	151
167 657 934	151
167 657 935	151

Code	Page
167 657 936	151
167 657 937	151
167 657 972	163
167 657 973	163
167 657 974	163
167 657 975	163
167 657 976	163
167 657 977	163
167 684 012	134
167 684 013	134
167 684 014	134
167 684 015	134
167 684 016	134
167 684 017	134
167 684 032	134
167 684 033	134
167 684 034	134
167 684 035	134
167 684 036	134
167 684 037	134
167 684 052	134
167 684 053	134
167 684 054	134
167 684 055	134
167 684 056	134
167 684 057	134
167 684 062	134
167 684 063	134
167 684 064	134
167 684 065	134
167 684 066	134
167 684 067	134
167 684 112	136
167 684 113	136
167 684 114	136
167 684 115	136
167 684 116	136
167 684 117	136
167 684 132	136
167 684 133	136
167 684 134	136
167 684 135	136
167 684 136	136
167 684 137	136
167 684 152	136
167 684 153	136
167 684 154	136
167 684 155	136
167 684 156	136
167 684 157	136
167 684 162	136
167 684 163	136
167 684 164	136
167 684 165	136
167 684 166	136
167 684 167	136
167 684 212	135
167 684 213	135
167 684 214	135
167 684 215	135
167 684 216	135
167 684 217	135
167 684 232	135
167 684 233	135
167 684 234	135
167 684 235	135
167 684 236	135
167 684 237	135

Code	Page
167 684 312	136
167 684 313	136
167 684 314	136
167 684 315	137
167 684 316	137
167 684 317	137
167 684 332	136
167 684 333	136
167 684 334	136
167 684 335	137
167 684 336	137
167 684 337	137
167 685 012	137
167 685 013	137
167 685 014	137
167 685 015	137
167 685 016	137
167 685 017	137
167 685 032	137
167 685 033	137
167 685 034	137
167 685 035	137
167 685 036	137
167 685 037	137
167 685 112	138
167 685 113	138
167 685 114	138
167 685 115	138
167 685 116	138
167 685 117	138
167 685 132	138
167 685 133	138
167 685 134	138
167 685 135	138
167 685 136	138
167 685 137	138
167 687 112	139
167 687 113	139
167 687 114	139
167 687 115	139
167 687 116	139
167 687 117	139
167 687 132	139
167 687 133	139
167 687 134	139
167 687 135	139
167 687 136	139
167 687 137	139
167 687 152	139
167 687 153	139
167 687 154	139
167 687 155	139
167 687 156	139
167 687 157	139
167 687 162	139
167 687 163	139
167 687 164	139
167 687 165	139
167 687 166	139
167 687 167	139
167 687 712	146
167 687 713	146
167 687 714	146
167 687 715	146
167 687 716	146
167 687 717	146
167 687 732	146
167 687 733	146

Index

Code	Page	Code	Page	Code	Page
167 687 734	146	168 480 612	221	168 629 118	156
167 687 735	146	168 480 613	221	168 629 119	156
167 687 736	146	168 480 616	221	168 629 120	156
167 687 737	146	168 480 617	221	168 629 125	156
167 687 912	152	168 480 618	221	168 629 126	156
167 687 913	152	168 515 112	153	168 629 127	156
167 687 914	152	168 515 113	153	168 629 301	156
167 687 915	152	168 515 114	153	168 629 303	156
167 687 916	152	168 515 115	153	168 629 304	156
167 687 917	152	168 515 116	153	168 629 307	156
167 687 922	164	168 515 117	153	168 629 308	156
167 687 923	164	168 515 132	153	168 629 309	156
167 687 924	164	168 515 133	153	168 629 312	156
167 687 925	164	168 515 134	153	168 629 318	156
167 687 926	164	168 515 135	153	168 629 319	156
167 687 927	164	168 515 136	153	168 629 320	156
167 687 932	152	168 515 137	153	168 629 325	156
167 687 933	152	168 519 101	153	168 629 326	156
167 687 934	152	168 519 103	153	168 629 327	156
167 687 935	152	168 519 104	153	168 645 112	157
167 687 936	152	168 519 107	153	168 645 113	157
167 687 937	152	168 519 108	153	168 645 114	157
167 687 972	164	168 519 109	153	168 645 115	157
167 687 973	164	168 519 112	153	168 645 116	157
167 687 974	164	168 519 118	153	168 645 117	157
167 687 975	164	168 519 119	153	168 645 132	157
167 687 976	164	168 519 120	153	168 645 133	157
167 687 977	164	168 519 125	153	168 645 134	157
167 689 101	140	168 519 126	153	168 645 135	157
167 689 103	140	168 519 127	153	168 645 136	157
167 689 104	140	168 519 301	153	168 645 137	157
167 689 107	140	168 519 303	153	168 655 112	158
167 689 108	140	168 519 304	153	168 655 113	158
167 689 109	140	168 519 307	153	168 655 114	158
167 689 112	140	168 519 308	153	168 655 115	158
167 689 118	140	168 519 309	153	168 655 116	158
167 689 119	140	168 519 312	153	168 655 117	158
167 689 120	140	168 519 318	153	168 655 132	158
167 689 125	140	168 519 319	153	168 655 133	158
167 689 126	140	168 519 320	153	168 655 134	158
167 689 127	140	168 519 325	153	168 655 135	158
167 689 301	140	168 519 326	153	168 655 136	158
167 689 303	140	168 519 327	153	168 655 137	158
167 689 304	140	168 615 112	155	169 481 862	220
167 689 307	140	168 615 113	155	169 481 863	220
167 689 308	140	168 615 114	155	169 481 864	220
167 689 309	140	168 615 115	155	169 481 865	220
167 689 312	140	168 615 116	155	169 481 866	220
167 689 318	140	168 615 117	155	169 481 867	220
167 689 319	140	168 625 112	155	169 514 012	96
167 689 320	140	168 625 113	155	169 514 013	96
167 689 325	140	168 625 114	155	169 514 014	96
167 689 326	140	168 625 115	155	169 514 015	96
167 689 327	140	168 625 116	155	169 514 016	96
168 480 462	220	168 625 117	155	169 514 017	96
168 480 463	220	168 625 132	155	169 514 032	96
168 480 464	220	168 625 133	155	169 514 033	96
168 480 465	220	168 625 134	155	169 514 034	96
168 480 466	220	168 625 135	155	169 514 035	96
168 480 467	220	168 625 136	155	169 514 036	96
168 480 601	221	168 625 137	155	169 514 037	96
168 480 602	221	168 629 101	156	169 514 512	107
168 480 603	221	168 629 103	156	169 514 513	107
168 480 604	221	168 629 104	156	169 514 514	107
168 480 605	221	168 629 107	156	169 514 515	107
168 480 606	221	168 629 108	156	169 514 516	107
168 480 607	221	168 629 109	156	169 514 517	107
168 480 611	221	168 629 112	156	169 514 532	107

Index

Code	Page
169 514 533	107
169 514 534	107
169 514 535	107
169 514 536	107
169 514 537	107
169 515 012	96
169 515 013	96
169 515 014	96
169 515 015	96
169 515 016	96
169 515 017	96
169 515 032	96
169 515 033	96
169 515 034	96
169 515 035	96
169 515 036	96
169 515 037	96
169 614 012	97
169 614 013	97
169 614 014	97
169 614 015	97
169 614 016	97
169 614 017	97
169 614 512	108
169 614 513	108
169 614 514	108
169 614 515	108
169 614 516	108
169 614 517	108
169 615 012	97
169 615 013	97
169 615 014	97
169 615 015	97
169 615 016	97
169 615 017	97
169 617 112	98
169 617 113	98
169 617 114	98
169 617 115	98
169 617 116	98
169 617 117	98
169 624 012	99
169 624 013	99
169 624 014	99
169 624 015	99
169 624 016	99
169 624 017	99
169 624 512	108
169 624 513	108
169 624 514	108
169 624 515	108
169 624 516	108
169 624 517	108
169 625 012	99
169 625 013	99
169 625 014	99
169 625 015	99
169 625 016	99
169 625 017	99
169 627 112	100
169 627 113	100
169 627 114	100
169 627 115	100
169 627 116	100
169 627 117	100
169 644 012	101
169 644 013	101
169 644 014	101

Code	Page
169 644 015	101
169 644 016	101
169 644 017	101
169 644 512	109
169 644 513	109
169 644 514	109
169 644 515	109
169 644 516	109
169 644 517	109
169 645 012	101
169 645 013	101
169 645 014	101
169 645 015	101
169 645 016	101
169 645 017	101
169 647 112	102
169 647 113	102
169 647 114	102
169 647 115	102
169 647 116	102
169 647 117	102
169 654 012	103
169 654 013	103
169 654 014	103
169 654 015	103
169 654 016	103
169 654 017	103
169 654 512	110
169 654 513	110
169 654 514	110
169 654 515	110
169 654 516	110
169 654 517	110
169 655 012	103
169 655 013	103
169 655 014	103
169 655 015	103
169 655 016	103
169 655 017	103
169 657 112	104
169 657 113	104
169 657 114	104
169 657 115	104
169 657 116	104
169 657 117	104
169 684 012	105
169 684 013	105
169 684 014	105
169 684 015	105
169 684 016	105
169 684 017	105
169 684 512	110
169 684 513	110
169 684 514	110
169 684 515	110
169 684 516	110
169 684 517	110
169 685 012	105
169 685 013	105
169 685 014	105
169 685 015	105
169 685 016	105
169 685 017	105
169 687 112	106
169 687 113	106
169 687 114	106
169 687 115	106
169 687 116	106

Code	Page
169 687 117	106
175 483 532	220
175 483 533	220
175 483 534	220
175 483 535	220
175 483 536	220
175 483 537	220
175 483 682	218
175 483 683	218
175 483 684	218
175 483 685	218
175 483 686	218
175 483 687	218
175 483 692	220
175 483 693	220
175 483 694	220
175 483 695	220
175 483 696	220
175 483 697	220
175 483 742	220
175 483 743	220
175 483 744	220
175 483 745	220
175 483 746	220
175 483 747	220
180 001 002	219
180 001 003	219
180 001 004	219
180 001 005	219
180 001 006	219
180 001 007	219
180 001 012	220
180 001 013	220
180 001 014	220
180 001 015	220
180 001 016	220
180 001 017	220
180 001 101	221
180 001 102	221
180 001 103	221
180 001 104	221
180 001 105	221
180 001 106	221
180 001 107	221
180 001 108	221
180 001 109	221
180 001 110	221
180 001 111	221
180 001 112	221
180 001 113	221
180 001 114	221
180 001 115	221
180 001 116	221
180 001 117	221
180 001 118	221
180 001 119	221
180 001 120	221
180 001 121	221
180 001 126	221
180 001 127	221
180 001 128	222
180 001 129	222
180 001 130	222
180 001 131	222
180 001 132	222
180 001 133	222
180 001 134	222
180 514 132	196

Index

Code	Page	Code	Page	Code	Page
180 514 133	196	180 634 134	208	180 659 307	207
180 514 134	196	180 634 135	208	180 659 308	207
180 514 135	196	180 634 136	208	180 659 309	207
180 514 136	196	180 634 137	208	180 659 312	207
180 514 137	196	180 635 132	209	180 659 313	207
180 515 132	196	180 635 133	209	180 659 314	207
180 515 133	196	180 635 134	209	180 659 315	207
180 515 134	196	180 635 135	209	180 659 318	207
180 515 135	196	180 635 136	209	180 659 319	207
180 515 136	196	180 635 137	209	180 659 320	207
180 515 137	196	180 639 301	210	180 659 321	207
180 519 301	198	180 639 303	210	180 659 322	207
180 519 303	198	180 639 304	210	180 659 325	207
180 519 304	198	180 639 307	210	180 659 326	207
180 519 307	198	180 639 308	210	180 659 327	207
180 519 308	198	180 639 309	210	180 659 328	207
180 519 309	198	180 639 312	210	180 659 329	207
180 519 312	198	180 639 313	210	180 659 330	207
180 519 313	198	180 639 314	210	180 659 341	207
180 519 314	198	180 639 315	210	180 659 342	207
180 519 315	198	180 639 318	210	180 659 343	207
180 519 318	198	180 639 319	210	180 659 345	207
180 519 319	198	180 639 320	210	180 659 346	207
180 519 320	198	180 639 321	210	180 659 351	207
180 519 321	198	180 639 322	210	180 659 352	207
180 519 322	198	180 639 325	210	180 659 353	207
180 519 325	198	180 639 326	210	180 659 355	207
180 519 326	198	180 639 327	210	180 659 356	207
180 519 327	198	180 639 328	210	181 514 132	197
180 519 328	198	180 639 329	210	181 514 133	197
180 519 329	198	180 639 330	210	181 514 134	197
180 519 330	198	180 639 341	210	181 514 135	197
180 519 341	198	180 639 342	210	181 514 136	197
180 519 342	198	180 639 343	210	181 514 137	197
180 519 343	198	180 639 345	210	181 514 152	197
180 519 345	198	180 639 346	210	181 514 153	197
180 519 346	198	180 639 351	210	181 514 154	197
180 519 351	198	180 639 352	210	181 514 155	197
180 519 352	198	180 639 353	210	181 514 156	197
180 519 353	198	180 639 355	210	181 514 157	197
180 519 355	198	180 639 356	210	181 515 132	199
180 519 356	198	180 644 132	203	181 515 133	199
180 624 132	202	180 644 133	203	181 515 134	199
180 624 133	202	180 644 134	203	181 515 135	199
180 624 134	202	180 644 135	203	181 515 136	199
180 624 135	202	180 644 136	203	181 515 137	199
180 624 136	202	180 644 137	203	181 515 152	199
180 624 137	202	180 645 132	204	181 515 153	199
180 624 152	202	180 645 133	204	181 515 154	199
180 624 153	202	180 645 134	204	181 515 155	199
180 624 154	202	180 645 135	204	181 515 156	199
180 624 155	202	180 645 136	204	181 515 157	199
180 624 156	202	180 645 137	204	181 519 301	200
180 624 157	202	180 654 132	205	181 519 303	200
180 625 132	203	180 654 133	205	181 519 304	200
180 625 133	203	180 654 134	205	181 519 307	200
180 625 134	203	180 654 135	205	181 519 308	200
180 625 135	203	180 654 136	205	181 519 309	200
180 625 136	203	180 654 137	205	181 519 312	200
180 625 137	203	180 655 132	206	181 519 313	200
180 625 152	203	180 655 133	206	181 519 314	200
180 625 153	203	180 655 134	206	181 519 315	200
180 625 154	203	180 655 135	206	181 519 318	200
180 625 155	203	180 655 136	206	181 519 319	200
180 625 156	203	180 655 137	206	181 519 320	200
180 625 157	203	180 659 301	207	181 519 321	200
180 634 132	208	180 659 303	207	181 519 322	200
180 634 133	208	180 659 304	207	181 519 325	200

Index

Code	Page
181 519 326	200
181 519 327	200
181 519 328	200
181 519 329	200
181 519 330	200
181 519 341	200
181 519 342	200
181 519 343	200
181 519 345	200
181 519 346	200
181 519 351	200
181 519 352	200
181 519 353	200
181 519 355	200
181 519 356	200
181 519 501	200
181 519 503	200
181 519 504	200
181 519 507	200
181 519 508	200
181 519 509	200
181 519 512	200
181 519 513	200
181 519 514	200
181 519 515	200
181 519 518	200
181 519 519	200
181 519 520	200
181 519 521	200
181 519 522	200
181 519 525	200
181 519 526	200
181 519 527	200
181 519 528	200
181 519 529	200
181 519 530	200
181 519 541	200
181 519 542	200
181 519 543	200
181 519 545	200
181 519 546	200
181 519 551	200
181 519 552	200
181 519 553	200
181 519 555	200
181 519 556	200
181 684 132	211
181 684 133	211
181 684 134	211
181 684 135	211
181 684 136	211
181 684 137	211
181 684 152	211
181 684 153	211
181 684 154	211
181 684 155	211
181 684 156	211
181 684 157	211
181 685 132	212
181 685 133	212
181 685 134	212
181 685 135	212
181 685 136	212
181 685 137	212
181 685 152	212
181 685 153	212
181 685 154	212
181 685 155	212

Code	Page
181 685 156	212
181 685 157	212
181 689 301	213
181 689 303	213
181 689 304	213
181 689 307	213
181 689 308	213
181 689 309	213
181 689 312	213
181 689 313	213
181 689 314	213
181 689 315	213
181 689 318	213
181 689 319	213
181 689 320	213
181 689 321	213
181 689 322	213
181 689 325	213
181 689 326	213
181 689 327	213
181 689 328	213
181 689 329	213
181 689 330	213
181 689 341	213
181 689 342	213
181 689 343	213
181 689 345	213
181 689 346	213
181 689 351	213
181 689 352	213
181 689 353	213
181 689 355	213
181 689 356	213
181 689 501	213
181 689 503	213
181 689 504	213
181 689 507	213
181 689 508	213
181 689 509	213
181 689 512	213
181 689 513	213
181 689 514	213
181 689 515	213
181 689 518	213
181 689 519	213
181 689 520	213
181 689 521	213
181 689 522	213
181 689 525	213
181 689 526	213
181 689 527	213
181 689 528	213
181 689 529	213
181 689 530	213
181 689 541	213
181 689 542	213
181 689 543	213
181 689 545	213
181 689 546	213
181 689 551	213
181 689 552	213
181 689 553	213
181 689 555	213
181 689 556	213
185 514 032	169
185 514 033	169
185 514 034	169

Code	Page
185 514 036	169
185 514 037	169
185 514 052	169
185 514 053	169
185 514 054	169
185 514 055	169
185 514 056	169
185 514 057	169
185 514 132	169
185 514 133	169
185 514 134	169
185 514 135	169
185 514 136	169
185 514 137	169
185 514 152	169
185 514 153	169
185 514 154	169
185 514 155	169
185 514 156	169
185 514 157	169
185 515 032	170
185 515 033	170
185 515 034	170
185 515 035	170
185 515 036	170
185 515 037	170
185 515 052	170
185 515 053	170
185 515 054	170
185 515 055	170
185 515 056	170
185 515 057	170
185 515 132	171
185 515 133	171
185 515 134	171
185 515 135	171
185 515 136	171
185 515 137	171
185 515 152	171
185 515 153	171
185 515 154	171
185 515 155	171
185 515 156	171
185 515 157	171
185 517 132	171
185 517 133	171
185 517 134	171
185 517 135	171
185 517 136	171
185 517 137	171
185 517 152	171
185 517 153	171
185 517 154	171
185 517 155	171
185 517 156	171
185 517 157	171
185 517 732	172
185 517 733	172
185 517 734	172
185 517 735	172
185 517 736	172
185 517 737	172
185 517 752	172
185 517 753	172
185 517 754	172
185 517 755	172
185 517 756	172
185 517 757	172

Index

Code	Page	Code	Page	Code	Page
185 517 932	191	185 627 734	177	185 647 136	180
185 517 933	191	185 627 735	177	185 647 137	180
185 517 934	191	185 627 736	177	185 647 152	180
185 517 935	191	185 627 737	177	185 647 153	180
185 517 936	191	185 627 752	177	185 647 154	180
185 517 937	191	185 627 753	177	185 647 155	180
185 624 032	173	185 627 754	177	185 647 156	180
185 624 033	173	185 627 755	177	185 647 157	180
185 624 034	173	185 627 756	177	185 647 732	181
185 624 035	173	185 627 757	177	185 647 733	181
185 624 036	173	185 627 932	192	185 647 734	181
185 624 037	173	185 627 933	192	185 647 735	181
185 624 052	173	185 627 934	192	185 647 736	181
185 624 053	173	185 627 935	192	185 647 737	181
185 624 054	173	185 627 936	192	185 647 752	181
185 624 055	173	185 627 937	192	185 647 753	181
185 624 056	173	185 644 032	178	185 647 754	181
185 624 057	173	185 644 033	178	185 647 755	181
185 624 132	174	185 644 034	178	185 647 756	181
185 624 133	174	185 644 035	178	185 647 757	181
185 624 134	174	185 644 036	178	185 647 932	193
185 624 135	174	185 644 037	178	185 647 933	193
185 624 136	174	185 644 052	178	185 647 934	193
185 624 137	174	185 644 053	178	185 647 935	193
185 624 152	174	185 644 054	178	185 647 936	193
185 624 153	174	185 644 055	178	185 647 937	193
185 624 154	174	185 644 056	178	185 654 032	182
185 624 155	174	185 644 057	178	185 654 033	182
185 624 156	174	185 644 132	178	185 654 034	182
185 624 157	174	185 644 133	178	185 654 035	182
185 625 032	174	185 644 134	178	185 654 036	182
185 625 033	174	185 644 135	178	185 654 037	182
185 625 034	174	185 644 136	178	185 654 052	182
185 625 035	174	185 644 137	178	185 654 053	182
185 625 036	174	185 644 152	178	185 654 054	182
185 625 037	174	185 644 153	178	185 654 055	182
185 625 052	174	185 644 154	178	185 654 056	182
185 625 053	174	185 644 155	178	185 654 057	182
185 625 054	174	185 644 156	178	185 654 132	182
185 625 055	174	185 644 157	178	185 654 133	182
185 625 056	174	185 645 032	179	185 654 134	182
185 625 057	174	185 645 033	179	185 654 135	182
185 625 132	175	185 645 034	179	185 654 136	182
185 625 133	175	185 645 035	179	185 654 137	182
185 625 134	175	185 645 036	179	185 654 152	182
185 625 135	175	185 645 037	179	185 654 153	182
185 625 136	175	185 645 052	179	185 654 154	182
185 625 137	175	185 645 053	179	185 654 155	182
185 625 152	175	185 645 054	179	185 654 156	182
185 625 153	175	185 645 055	179	185 654 157	182
185 625 154	175	185 645 056	179	185 655 032	183
185 625 155	175	185 645 057	179	185 655 033	183
185 625 156	175	185 645 132	180	185 655 034	183
185 625 157	175	185 645 133	180	185 655 035	183
185 627 132	176	185 645 134	180	185 655 036	183
185 627 133	176	185 645 135	180	185 655 037	183
185 627 134	176	185 645 136	180	185 655 052	183
185 627 135	176	185 645 137	180	185 655 053	183
185 627 136	176	185 645 152	180	185 655 054	183
185 627 137	176	185 645 153	180	185 655 055	183
185 627 152	176	185 645 154	180	185 655 056	183
185 627 153	176	185 645 155	180	185 655 057	183
185 627 154	176	185 645 156	180	185 655 132	184
185 627 155	176	185 645 157	180	185 655 133	184
185 627 156	176	185 647 132	180	185 655 134	184
185 627 157	176	185 647 133	180	185 655 135	184
185 627 732	177	185 647 134	180	185 655 136	184
185 627 733	177	185 647 135	180	185 655 137	184

Index

Code	Page
185 655 152	184
185 655 153	184
185 655 154	184
185 655 155	184
185 655 156	184
185 655 157	184
185 657 132	184
185 657 133	184
185 657 134	184
185 657 135	184
185 657 136	184
185 657 137	184
185 657 152	184
185 657 153	184
185 657 154	184
185 657 155	184
185 657 156	184
185 657 157	184
185 657 732	185
185 657 733	185
185 657 734	185
185 657 735	185
185 657 736	185
185 657 737	185
185 657 752	185
185 657 753	185
185 657 754	185
185 657 755	185
185 657 756	185
185 657 757	185
185 657 932	194
185 657 933	194
185 657 934	194
185 657 935	194
185 657 936	194
185 657 937	194
185 684 032	186
185 684 033	186
185 684 034	186
185 684 035	186
185 684 036	186
185 684 037	186
185 684 052	186
185 684 053	186
185 684 054	186
185 684 055	186
185 684 056	186
185 684 057	186
185 684 132	186
185 684 133	186
185 684 134	186
185 684 135	187
185 684 136	187
185 684 137	187
185 684 152	186
185 684 153	186
185 684 154	186
185 684 155	187
185 684 156	187
185 684 157	187
185 685 032	187
185 685 033	187
185 685 034	187
185 685 035	187
185 685 036	187
185 685 037	187
185 685 052	187
185 685 053	187

Code	Page
185 685 054	187
185 685 055	187
185 685 056	187
185 685 057	187
185 685 132	188
185 685 133	188
185 685 134	188
185 685 135	188
185 685 136	188
185 685 137	188
185 685 152	188
185 685 153	188
185 685 154	188
185 685 155	188
185 685 156	188
185 685 157	188
185 687 132	189
185 687 133	189
185 687 134	189
185 687 135	189
185 687 136	189
185 687 137	189
185 687 152	189
185 687 153	189
185 687 154	189
185 687 155	189
185 687 156	189
185 687 157	189
185 687 732	190
185 687 733	190
185 687 734	190
185 687 735	190
185 687 736	190
185 687 737	190
185 687 752	190
185 687 753	190
185 687 754	190
185 687 755	190
185 687 756	190
185 687 757	190
185 687 912	195
185 687 913	195
185 687 914	195
185 687 915	195
185 687 916	195
185 687 917	195
185 687 932	195
185 687 933	195
185 687 934	195
185 687 935	195
185 687 936	195
185 687 937	195
198 000 872	218
198 000 873	218
198 000 874	218
198 000 875	218
198 000 876	218
198 000 877	218
198 000 881	218
198 000 882	218
198 000 883	218
198 000 884	218
198 000 885	218
198 000 886	218
198 000 892	216
198 000 893	216
198 000 894	216
198 000 895	216

Code	Page
198 000 896	216
198 000 897	216
198 104 166	215
198 151 742	215
198 151 743	215
198 151 744	215
198 151 745	215
198 151 746	215
198 151 747	215
198 151 752	215
198 151 753	215
198 151 754	215
198 151 755	215
198 151 756	215
198 151 757	215
198 151 762	217
198 151 763	217
198 151 764	217
198 151 765	217
198 151 766	217
198 151 767	217
198 151 772	217
198 151 773	217
198 151 774	217
198 151 775	217
198 151 776	217
198 151 777	217
198 151 782	217
198 151 783	217
198 151 784	217
198 151 785	217
198 151 786	217
198 151 787	217
198 151 792	217
198 151 793	217
198 151 794	217
198 151 795	217
198 151 796	217
198 151 797	217
198 151 802	217
198 151 803	217
198 151 804	217
198 151 805	217
198 151 806	217
198 151 807	217
198 151 842	215
198 151 843	215
198 151 844	215
198 151 845	215
198 151 846	215
198 151 847	215
198 151 852	215
198 151 853	215
198 151 854	215
198 151 855	215
198 151 856	215
198 151 857	215
198 153 062	217
198 153 063	217
198 153 064	217
198 153 065	217
198 153 066	217
198 153 067	217
198 204 162	215
198 204 164	215
198 204 327	216
198 204 328	216
198 204 329	216

Index

Code	Page	Code	Page	Code	Page
198 806 639	217	727 690 406	219	745 500 014	218
198 806 640	217	727 690 407	219	745 500 015	218
721 600 106	219	727 690 408	219	745 500 016	218
721 600 107	219	727 690 409	219	745 500 017	218
721 600 108	219	727 690 410	219	747 502 012	218
721 600 109	219	727 690 411	219	747 502 013	218
721 600 110	219	727 700 206	221	747 502 014	218
721 600 111	219	727 700 207	221	747 502 015	218
721 601 106	219	727 700 208	221	747 502 016	218
721 601 107	219	727 700 209	221	747 502 017	218
721 601 108	219	727 700 210	221	747 502 032	218
721 601 109	219	727 700 211	221	747 502 033	218
721 601 110	219	727 700 406	221	747 502 034	218
721 601 111	219	727 700 407	221	747 502 035	218
721 602 006	219	727 700 408	221	747 502 036	218
721 602 007	219	727 700 409	221	747 502 037	218
721 602 008	219	727 700 410	221	747 503 012	218
721 602 009	219	727 700 411	221	747 503 013	218
721 602 010	219	727 701 206	221	747 503 014	218
721 602 011	219	727 701 207	221	747 503 015	218
721 605 106	219	727 701 208	221	747 503 016	218
721 605 107	219	727 701 209	221	747 503 017	218
721 605 108	219	727 701 210	221	748 400 006	221
721 605 109	219	727 701 211	221	748 400 007	221
721 605 110	219	727 701 406	221	748 400 008	221
721 605 111	219	727 701 407	221	748 400 009	221
721 690 006	219	727 701 408	221	748 400 010	221
721 690 007	219	727 701 409	221	748 400 011	221
721 690 008	219	727 701 410	221	748 410 006	219
721 690 009	219	727 701 411	221	748 410 007	219
721 690 010	219	727 790 206	220	748 410 008	219
721 690 011	219	727 790 207	220	748 410 009	219
721 700 006	221	727 790 208	220	748 410 010	219
721 700 007	221	727 790 209	220	748 410 011	219
721 700 008	221	727 790 210	220	748 500 012	218
721 700 009	221	727 790 211	220	748 500 013	218
721 700 010	221	729 690 406	219	748 500 014	218
721 700 011	221	729 690 407	219	748 500 015	218
721 702 206	221	729 690 408	219	748 500 016	218
721 702 207	221	729 690 409	219	748 500 017	218
721 702 208	221	729 690 410	219	749 400 006	221
721 702 209	221	729 690 411	219	749 400 007	221
721 702 210	221	729 790 106	220	749 400 008	221
721 702 211	221	729 790 107	220	749 400 009	221
721 790 111	220	729 790 108	220	749 400 010	221
721 800 106	220	729 790 109	220	749 400 011	221
721 800 107	220	729 790 110	220	749 410 005	219
721 800 108	220	729 790 111	220	749 410 006	219
721 800 109	220	735 600 106	219	749 410 007	219
721 800 110	220	735 600 107	219	749 410 008	219
723 690 006	219	735 600 108	219	749 410 009	219
723 690 007	219	735 600 109	219	749 410 010	219
723 690 008	219	735 600 110	219	749 410 011	219
723 690 009	219	735 600 111	219	749 410 054	219
723 690 010	219	735 690 406	219	749 410 062	219
723 690 011	219	735 690 407	219	749 410 120	219
723 790 106	220	735 690 408	219	749 410 172	219
723 790 107	220	735 690 409	219	749 411 005	219
723 790 108	220	735 690 410	219	749 411 006	219
723 790 109	220	735 690 411	219	749 411 054	219
723 790 110	220	735 790 206	220	749 411 062	219
723 790 111	220	735 790 207	220	749 411 120	219
727 600 106	219	735 790 208	220	749 411 172	219
727 600 107	219	735 790 209	221	749 500 012	218
727 600 108	219	735 790 210	221	749 500 013	218
727 600 109	219	735 790 211	221	749 500 014	218
727 600 110	219	745 500 012	218	749 500 015	218
727 600 111	219	745 500 013	218	749 500 016	218

Index

Code	Page
749 500 017	218
800 047 160	12
800 047 161	12
800 047 162	12
800 047 163	12
800 047 164	12
800 047 165	12
800 047 166	12
800 047 167	12
800 047 168	12
800 047 169	12
800 047 170	12
800 047 171	12
800 047 259	119
800 047 261	119
800 047 262	119
800 047 263	119
800 047 264	119
800 047 265	119
800 047 300	12
800 047 301	12
800 047 303	12
800 047 304	12
800 047 306	13
800 047 308	13
800 047 309	13
800 047 314	114
800 047 316	114
800 047 317	114
800 047 318	114
800 047 319	114
800 047 320	114
800 047 327	16
800 047 328	16
800 047 329	16
800 047 330	16
800 047 331	16
800 047 332	16

Notes:

[illegible]

Notes:

[illegible]

GF Piping Systems → worldwide at home

Our sales companies and representatives ensure local customer support in over 100 countries.

www.piping.georgfischer.com



The technical data is not binding. They neither constitute expressly warranted characteristics nor guaranteed properties nor a guaranteed durability. They are subject to modification. Our General Terms of Sales apply.

Adding Quality to People's Lives

Argentina/Southern South America

Georg Fischer Central Plastics
Sudamérica S.R.L.
Buenos Aires, Argentina
Phone +5411 4512 02 90
gfccentral.ps.ar@georgfischer.com

Australia

George Fischer Pty Ltd
Riverwood NSW 2210 Australia
Phone +61(0)2 9502 8000
australia.ps@georgfischer.com
www.georgfischer.com.au

Austria

Georg Fischer
Rohrleitungssysteme GmbH
3130 Herzogenburg
Phone +43(0)2782 856 43-0
austria.ps@georgfischer.com
www.georgfischer.at

Belgium/Luxembourg

Georg Fischer NV/SA
1070 Bruxelles/Brüssel
Phone +32(0)2 556 40 20
be.ps@georgfischer.com
www.georgfischer.be

Brazil

George Fischer Ltda
04795-100 São Paulo
Phone +55(0)11 5525 1311
br.ps@georgfischer.com
www.georgfischer.com.br

Canada

Georg Fischer Piping Systems Ltd
Brampton, ON L6T 4E3
Phone +1(905)792 8005
Fax +1(905)792 6667
ca.ps@georgfischer.com
www.georgfischer.ca

China

Georg Fischer
Piping Systems Ltd Shanghai
Pudong, Shanghai 201319
Phone +86(0)21 58 13 33 33
china.ps@georgfischer.com
www.georgfischer.cn

Denmark/Iceland

Georg Fischer A/S
2630 Taastrup
Phone +45 (0)70 22 19 75
info.dk.ps@georgfischer.com
www.georgfischer.dk

France

Georg Fischer SAS
95932 Roissy Charles de Gaulle Cedex
Phone +33(0)1 41 84 68 84
fr.ps@georgfischer.com
www.georgfischer.fr

Germany

Georg Fischer GmbH
73095 Albershausen
Phone +49(0)7161 302-0
info.de.ps@georgfischer.com
www.georgfischer.de

India

Georg Fischer Piping Systems Ltd
400 076 Mumbai
Phone +91 224007 2001
in.ps@georgfischer.com
www.georgfischer.in

Italy

Georg Fischer S.p.A.
20063 Cernusco S/N (MI)
Phone +3902 921 861
it.ps@georgfischer.com
www.georgfischer.it

Japan

Georg Fischer Ltd
556-0011 Osaka,
Phone +81(0)6 6635 2691
jp.ps@georgfischer.com
www.georgfischer.jp

Korea

Georg Fischer Piping Systems
Guro-3 dong, Guro-gu, Seoul, Korea
Phone +82(0)2 2081 1450
Fax +82(0)2 2081 1453
kor.ps@georgfischer.com
www.georgfischer.kr

Malaysia

George Fischer (M) Sdn. Bhd.
40460 Shah Alam, Selangor Darul Ehsan
Phone +60 (0)3 5122 5585
my.ps@georgfischer.com
www.georgfischer.my

Mexico/Northern Latin America

Georg Fischer S.A. de C.V.
Apodaca, Nuevo Leon
CP66636 Mexico
Phone +52 (81)1340 8586
Fax +52 (81)1522 8906
mx.ps@georgfischer.com
www.georgfischer.mx

Middle East

Georg Fischer Piping Systems
Dubai, United Arab Emirates
Phone +971 4 289 49 60
info.export@georgfischer.com
www.export.georgfischer.com

Netherlands

Georg Fischer N.V.
8161 PA Epe
Phone +31(0)578 678 222
nl.ps@georgfischer.com
www.georgfischer.nl

Norway

Georg Fischer AS
1351 Rud
Phone +47(0)67 18 29 00
no.ps@georgfischer.com
www.georgfischer.no

Poland

Georg Fischer Sp. z o.o.
05-090 Sekocin Nowy
Phone +48(0)22 31 31 0 50
poland.ps@georgfischer.com
www.georgfischer.pl

Romania

Georg Fischer
Piping Systems Ltd
020257 Bucharest - Sector 2
Phone +40(0)21 230 53 80
ro.ps@georgfischer.com
www.export.georgfischer.com

Russia

Georg Fischer Piping Systems
Moscow 125047
Tel. +7 495 258 60 80
ru.ps@georgfischer.com
www.georgfischer.ru

Singapore

George Fischer Pte Ltd
528 872 Singapore
Phone +65(0)67 47 06 11
sgp.ps@georgfischer.com
www.georgfischer.sg

Spain/Portugal

Georg Fischer S.A.
28046 Madrid
Phone +34(0)91 781 98 90
es.ps@georgfischer.com
www.georgfischer.es

Sweden/Finland

Georg Fischer AB
117 43 Stockholm
Phone +46(0)8 506 775 00
info.se.ps@georgfischer.com
www.georgfischer.se
www.georgfischer.fi

Switzerland

Georg Fischer
Rohrleitungssysteme (Schweiz) AG
8201 Schaffhausen
Phone +41(0)52 631 30 26
ch.ps@georgfischer.com
www.piping.georgfischer.ch

Taiwan

Georg Fischer Piping Systems
San Chung City, Taipei Hsien
Phone +886 2 8512 2822
Fax +886 2 8512 2823
www.georgfischer.tw

United Kingdom/Ireland

Georg Fischer Sales Limited
Coventry, CV2 2ST
Phone +44(0)2476 535 535
uk.ps@georgfischer.com
www.georgfischer.co.uk

USA/Caribbean

Georg Fischer LLC
Tustin, CA 92780-7258
Phone +1(714) 731 88 00
Toll Free 800 854 40 90
us.ps@georgfischer.com
www.gfiping.com

International

Georg Fischer
Piping Systems (Switzerland) Ltd.
8201 Schaffhausen/Switzerland
Phone +41(0)52 631 30 03
Fax +41(0)52 631 28 93
info.export@georgfischer.com
www.export.georgfischer.com