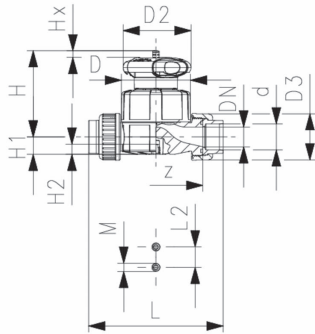
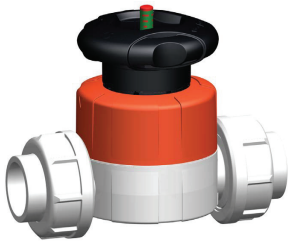


Manual Valves

Type 514 Diaphragm Valve SYGEF Standard PVDF Fusion sockets metric



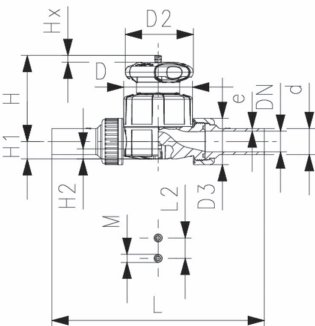
Model:

- 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:

- Self adjusting multifunctional module with integrated limit switches

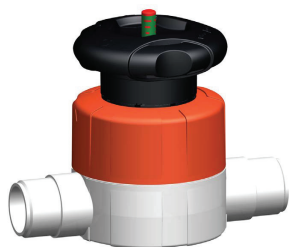
d [mm]	PTFE/EPDM code	
20	185 514 032	
25	185 514 033	
32	185 514 034	
40	185 514 035	
50	185 514 036	
63	185 514 037	



Type 514 Diaphragm Valve SYGEF Standard PVDF Butt fusion spigots metric

d [mm]	PTFE/EPDM code	weight [lb]	
20	185 514 132	0.840	
25	185 514 133	1.224	
32	185 514 134	2.310	
40	185 514 135	3.089	
50	185 514 136	4.489	
63	185 514 137	6.920	

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	closest inch [inch]	
20	65	65	43	196	25	73	14	12	M6	7	1.9	1/2	
25	80	65	53	221	25	81	18	12	M6	10	1.9	3/4	
32	88	87	60	234	25	107	22	12	M6	13	2.4	1	
40	101	87	74	260	45	115	26	15	M8	15	2.4	1 1/4	
50	117	135	82	284	45	148	32	15	M8	19	3.0	1 1/2	
63	144	135	100	321	45	166	39	15	M8	25	3.0	2	



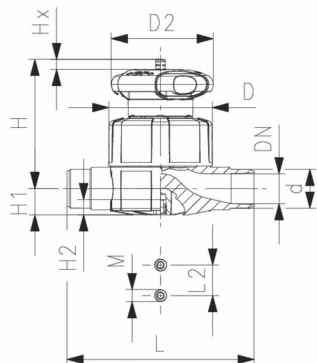
Type 515 Diaphragm Valve SYGEF Standard PVDF Socket fusion spigot metric

Model:

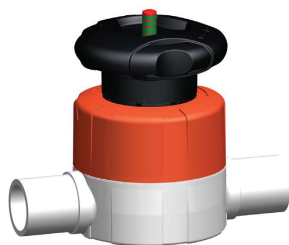
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

Option:

- Self adjusting multifunctional module with integrated limit switches

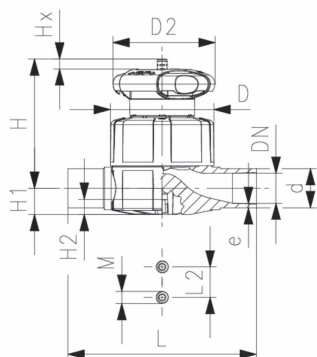


d [mm]	PTFE/EPDM code	
20	185 515 032	
25	185 515 033	
32	185 515 034	
40	185 515 035	
50	185 515 036	
63	185 515 037	

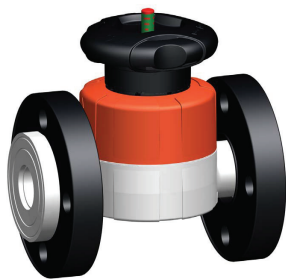


Type 515 Diaphragm Valve SYGEF Standard PVDF Butt fusion spigots metric

d [mm]	PTFE/EPDM code	weight [lb]	
20	185 515 132	0.617	
25	185 515 133	1.133	
32	185 515 134	1.493	
40	185 515 135	3.064	
50	185 515 136	5.494	
63	185 515 137	5.434	



d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	closest inch [inch]	
20	65	65	124	25	73	14	12	M6	7	1.9	1/2	
25	80	65	144	25	81	18	12	M6	10	1.9	3/4	
32	88	87	155	25	107	22	12	M6	13	2.4	1	
40	101	87	176	45	115	26	15	M8	15	2.4	1 1/4	
50	117	135	193	45	148	32	15	M8	19	3.0	1 1/2	
63	144	135	223	45	166	39	15	M8	25	3.0	2	



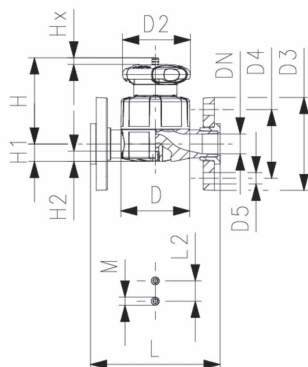
Type 517 Diaphragm Valve SYGEF Standard PVDF ANSI Flanged

Model:

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

Option:

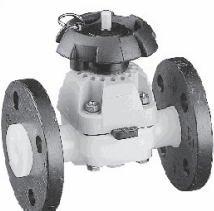
- Self adjusting multifunctional module with integrated limit switches



Size [inch]	PTFE/EPDM code	
1/2	185 517 732	
3/4	185 517 733	
1	185 517 734	
1 1/4	185 517 735	
1 1/2	185 517 736	
2	185 517 737	



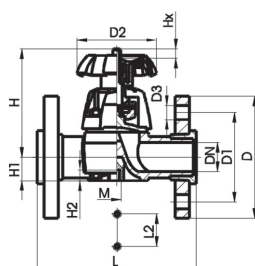
Type 317 Diaphragm Valve SYGEF Standard PVDF Flanged



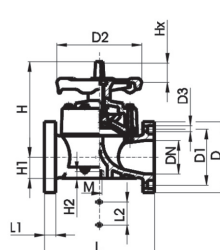
d [mm]	Size [inch]	PTFE with EPDM supp. diaphragm code	weight [lb]	
75	2 1/2	175 317 538	12.606	
90	3	175 317 009	23.722	
110	4	175 317 340	33.964	
160	6	175 317 012	69.446	

d [mm]	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	H1 [mm]	H2 [mm]	Lift = Hx [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	M	
75	185	140	152	18	201	46	15	30	290		70		M8	
90	200	160	270	18	265	57	23	40	310	35	120		M12	
110	225	191	270	18	304	69	23	50	350	35	120		M12	
160	285	240	400	22	437	108	23	70	480	26	100	200	M12	

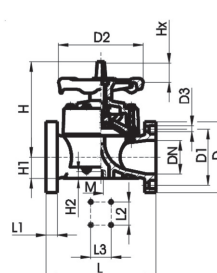
d [mm]	AL	
75	4	
90	8	
110	8	
160	8	



DN 15-65



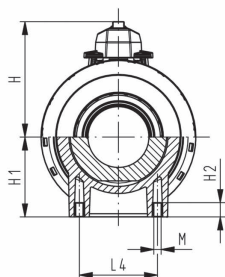
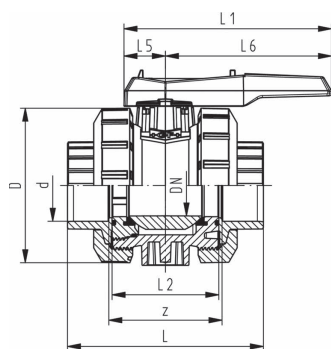
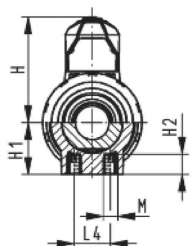
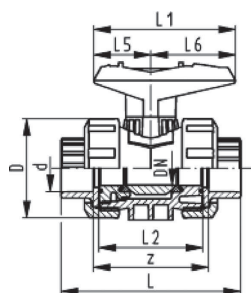
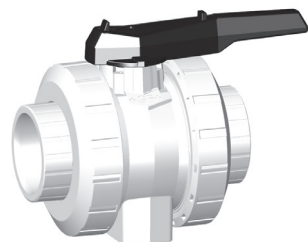
DN 80-100



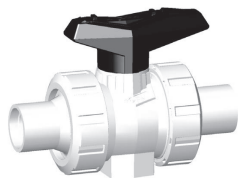
DN 150



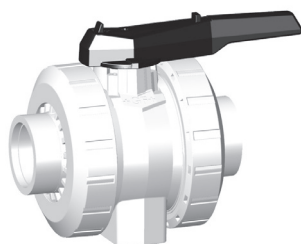
Type 546 Ball Valve SYGEF Standard **PVDF** **With mounting inserts** **With fusion sockets metric**



d [mm]	FPM code	
16	175 546 411	
20	175 546 412	
25	175 546 413	
32	175 546 414	
40	175 546 415	
50	175 546 416	
63	175 546 417	



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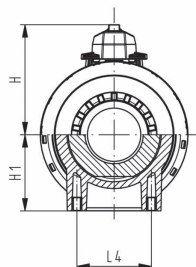
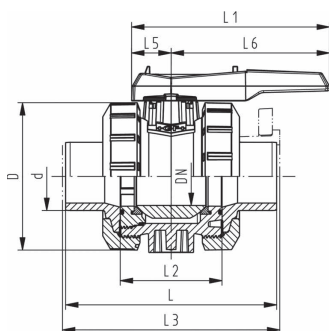
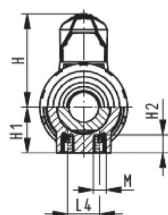
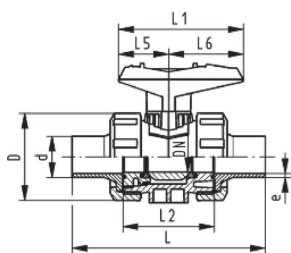


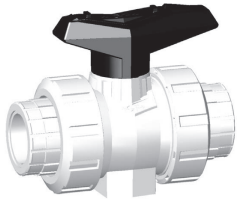
Type 546 Ball Valve Standard PVDF

With mounting inserts

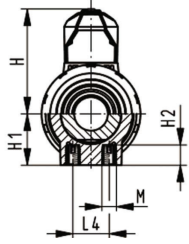
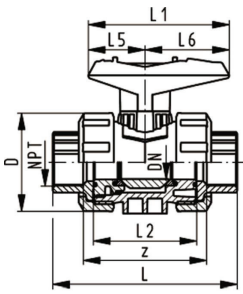
With butt fusion spigots metric

d [mm]	FPM code	
20	175 546 272	
25	175 546 273	
32	175 546 274	
40	175 546 275	
50	175 546 276	
63	175 546 277	



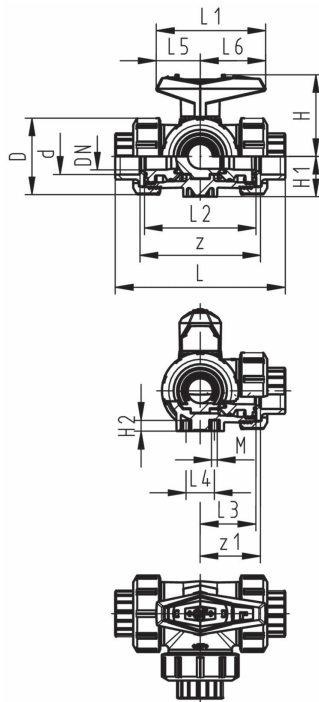
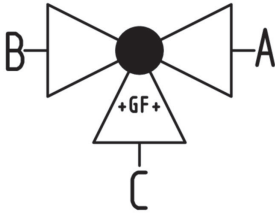
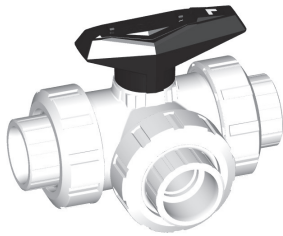


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Type 546 Ball Valve Standard PVDF
With mounting inserts
With threaded sockets NPT

NPT [inch]	FPM code	
3/8	175 546 331	
1/2	175 546 332	
3/4	175 546 333	
1	175 546 334	
1 1/4	175 546 335	
1 1/2	175 546 336	
2	175 546 337	

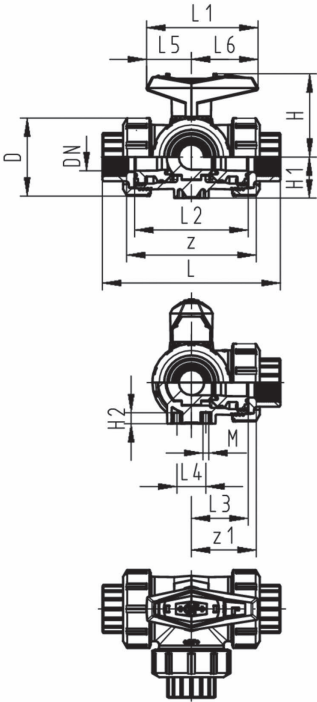
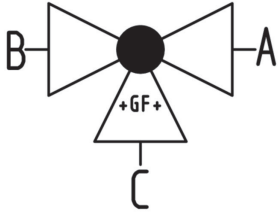


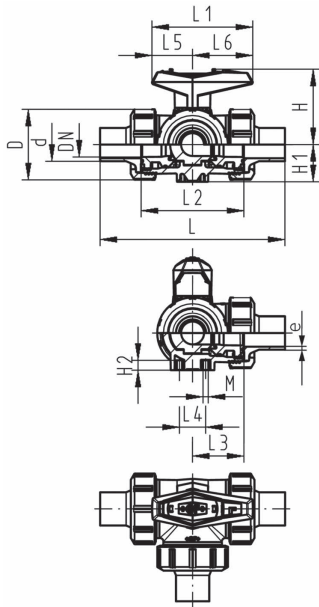
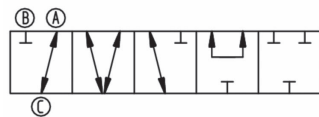
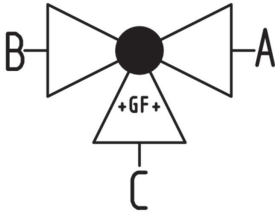
Type 543 3-Way Ball Valve Horizontal/L-port, Standard PVDF With fusion sockets metric

Model:

- Angle of operation 360° without turn limiter
- Turn limiter 90° enclosed, in different positions usable as a clip-on ring
- Material: PVDF
- For easy installation and removal (valve end and union nut are compatible with type 546)
- Ball seals PTFE
- Pneumatic or electric actuator available separately
- Integrated stainless steel mounting inserts

d [mm]	FPM code	
16	175 543 011 ^	
20	175 543 012 ^	
25	175 543 013 ^	
32	175 543 014 ^	
40	175 543 015 ^	
50	175 543 016 ^	
63	175 543 017 ^	



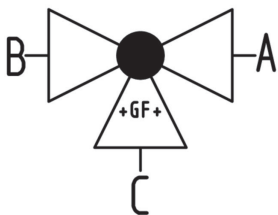


Type 543 3-Way Ball Valve Horizontal/L-port, Standard PVDF With butt fusion spigots IR-Plus metric

Model:

- Material: PVDF
- For easy installation and removal (valve end and union nut are compatible with type 546)
- Ball seals PTFE
- Pneumatic or electric actuator available separately
- Angle of operation 360° without turn limiter
- Turn limiter 90° enclosed, in different positions usable as a clip-on ring
- Integrated stainless steel mounting inserts

d [mm]	FPM code	
20	175 543 052 ^	
25	175 543 053 ^	
32	175 543 054 ^	
40	175 543 055 ^	
50	175 543 056 ^	
63	175 543 057 ^	



Model:

- Material: PVDF
- For easy installation and removal (valve end and union nut are compatible with type 546)
- Ball seals PTFE
- Pneumatic or electric actuator available separately
- Angle of operation 360° without turn limiter
- Turn limiter 90° enclosed, in different positions usable as a clip-on ring
- Integrated stainless steel mounting inserts

Technical drawing of a 3-way ball valve, showing three views: top view, side view, and front view. The drawing includes dimensions and labels for various parts.

Top View Dimensions:

- $L1$: Total length of the valve body.
- $L5$: Distance from the left end to the center of the ball.
- $L6$: Distance from the center of the ball to the right end.
- $L2$: Distance from the left end to the center of the handle.
- Z : Distance from the center of the ball to the center of the handle.
- L : Total length of the valve body.
- D : Outer diameter of the valve body.
- p : Pressure rating.
- DN : Nominal diameter.
- H : Height of the valve body.
- $H1$: Height of the handle.

Side View Dimensions:

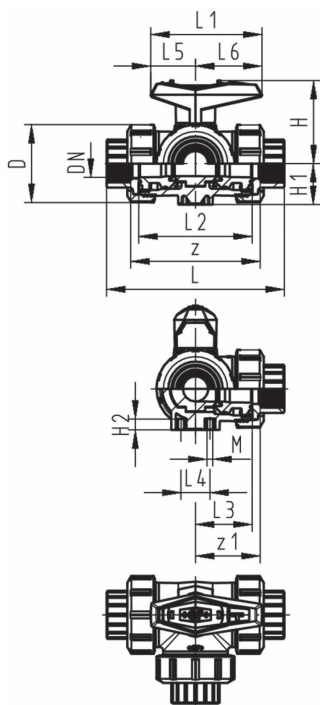
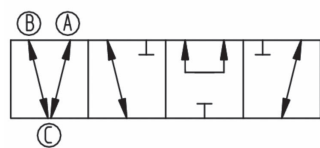
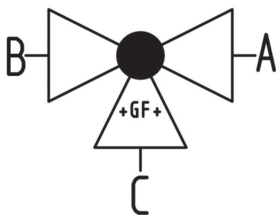
- $H2$: Height of the valve body.
- M : Distance from the center of the ball to the center of the handle.
- $L4$: Distance from the left end to the center of the ball.
- $L3$: Distance from the center of the ball to the right end.
- $Z1$: Distance from the center of the ball to the center of the handle.

Front View:

- Shows the handle and ball mechanism.

Labels:

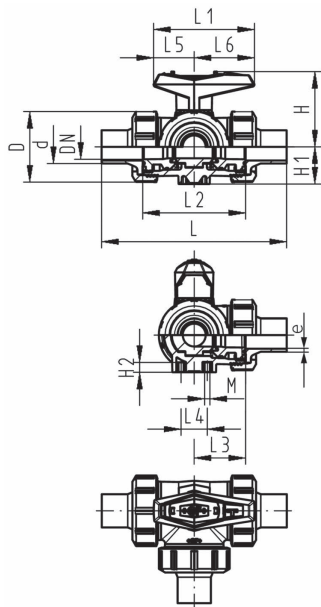
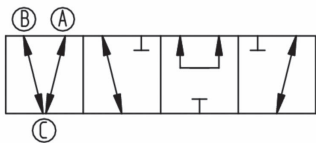
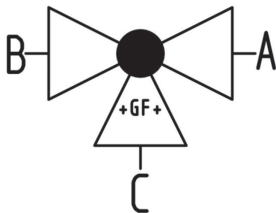
- $\textcircled{A}$: Label for the handle.
- $\textcircled{B}$: Label for the ball.
- $\textcircled{C}$: Label for the valve body.



Type 543 3-Way Ball Valve Horizontal/T-port, SYGEF Standard With threaded sockets NPT

NPT [inch]	code	weight [lb]	
3/8	175 543 171 ^	0.686	
1/2	175 543 172 ^	0.703	
3/4	175 543 173 ^	1.010	
1	175 543 174 ^	1.532	
1 1/4	175 543 175 ^	2.612	
1 1/2	175 543 176 ^	3.860	
2	175 543 177 ^	7.507	

NPT [inch]	L3 [mm]	L6 [mm]	z [mm]	z1 [mm]	D [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	
3/8	36	45	86	43	50	112	77	72	25	32	57	28	8	6	
1/2	36	45	80	40	50	114	77	72	25	32	57	28	8	6	
3/4	43	58	95	48	58	131	97	85	25	39	67	32	8	6	
1	49	58	110	55	68	154	97	98	25	39	73	36	8	6	
1 1/4	59	74	132	66	84	180	128	118	45	54	90	45	9	6	
1 1/2	68	74	157	79	97	203	128	135	45	54	97	51	9	6	
2	88	87	210	105	124	258	152	176	45	66	116	65	9	6	



Type 543 3-Way Ball Valve Horizontal/T-port, Standard PVDF With butt fusion spigots IR-Plus metric

Model:

- Material: PVDF
- For easy installation and removal (valve end and union nut are compatible with type 546)
- Ball seals PTFE
- Turn limiter 90° enclosed, in different positions usable as a clip-on ring
- Integrated stainless steel mounting inserts
- Pneumatic or electric actuator available separately
- Angle of operation 360° without turn limiter

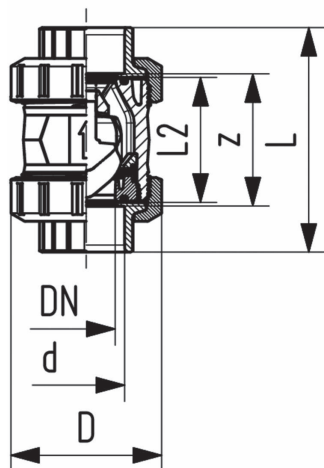
d [mm]	FPM code	
20	175 543 152 ^	
25	175 543 153 ^	
32	175 543 154 ^	
40	175 543 155 ^	
50	175 543 156 ^	
63	175 543 157 ^	



Check valve type 561 SYGEF Standard With fusion sockets metric

Model:

- For vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- Material: PVDF
- Flow-optimized return cone, double guided
- Vibration free even at high flow velocity
- Designed for easy installation and removal



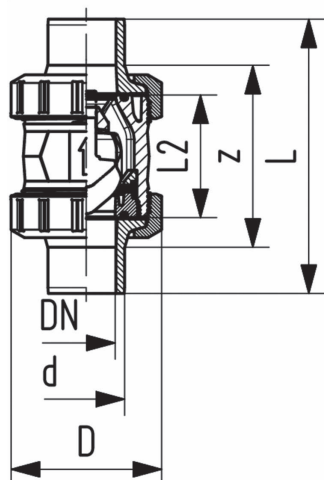
d [mm]	FPM code	
16	175 561 011	
20	175 561 012	
25	175 561 013	
32	175 561 014	
40	175 561 015	
50	175 561 016	
63	175 561 017	



Check valve type 561 SYGEF Standard With butt fusion spigots IR-Plus metric

Model:

- Flow-optimized return cone, double guided
- For vertical installation
- Compact installation length, same as ball valve type 546
- Material: PVDF
- Designed for easy installation and removal
- Vibration free even at high flow velocity
- Z-length, end connectors and union nuts **not** compatible with type 360

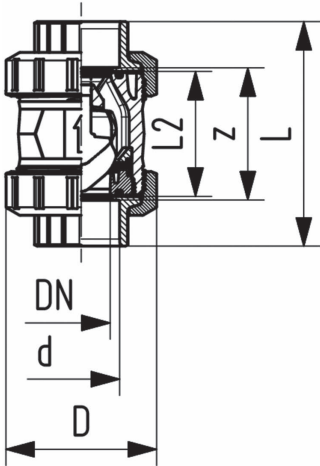


d [mm]	FPM code	
20	175 561 092	
25	175 561 093	
32	175 561 094	
40	175 561 095	
50	175 561 096	
63	175 561 097	



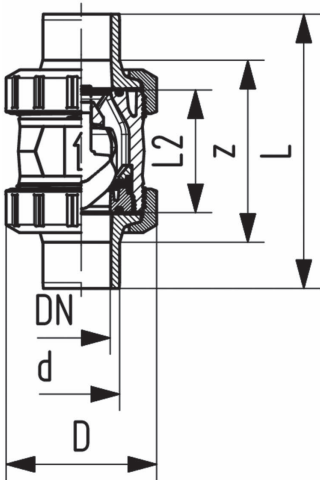
Check valve type 561 SYGEF Standard silicone free With fusion sockets metric

d [mm]	FPM code	weight [lb]	D [mm]	L [mm]	L2 [mm]	z [mm]	closest inch [inch]	
16	175 561 211	0.353	50	93	56	67	¾	
20	175 561 212	0.353	50	95	56	66	½	
25	175 561 213	0.750	58	109	65	77	¾	
32	175 561 214	0.794	68	119	71	83	1	
40	175 561 215	1.477	84	135	85	99	1 ¼	
50	175 561 216	2.183	97	147	89	105	1 ½	
63	175 561 217	3.902	124	168	101	117	2	
75	175 561 218	8.003	166	235	136	167	2 ½	
90	175 561 219	12.787	200	255	141	180	3	
110	175 561 220	20.834	238	305	164	215	4	



Check valve type 561 SYGEF Standard silicone free With butt fusion spigots IR-Plus metric

d [mm]	FPM code	weight [lb]	D [mm]	L [mm]	L2 [mm]	e [mm]	closest inch [inch]	
20	175 561 272	0.353	50	130	56	1.9	½	
25	175 561 273	0.772	58	143	65	1.9	¾	
32	175 561 274	0.809	68	150	71	2.4	1	
40	175 561 275	1.455	84	171	85	2.4	1 ¼	
50	175 561 276	2.205	97	191	89	3.0	1 ½	
63	175 561 277	3.946	124	220	101	3.0	2	
75	175 561 278	8.113	166	290	136	3.6	2 ½	
90	175 561 279	12.699	200	310	141	4.3	3	
110	175 561 280	20.437	238	350	164	5.3	4	

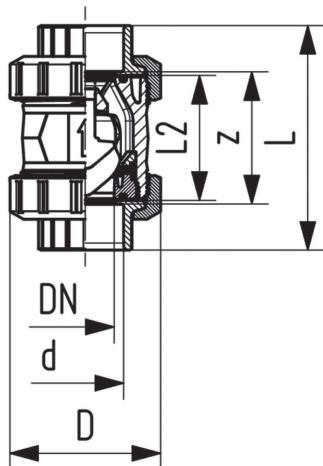




Check valve type 562 SYGEF Standard With fusion sockets metric

Model:

- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- Material: PVDF
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360



Warning: please make sure the diameter is not reduced through welding beads (Danger of turbulences)

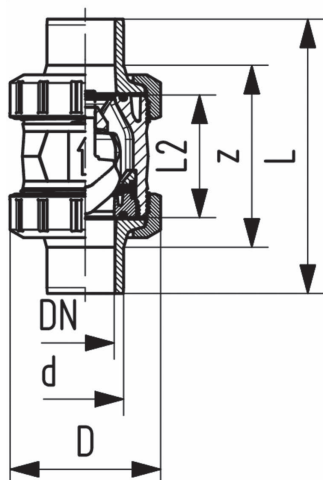
d [mm]	FPM code	
16	175 562 011	
20	175 562 012	
25	175 562 013	
32	175 562 014	
40	175 562 015	
50	175 562 016	
63	175 562 017	



Check valve type 562 SYGEF Standard With butt fusion spigots IR-Plus metric

Model:

- Designed for easy installation and removal
- Vibration free even at high flow velocity
- Material: PVDF
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Z-length, end connectors and union nuts **not** compatible with type 360
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546

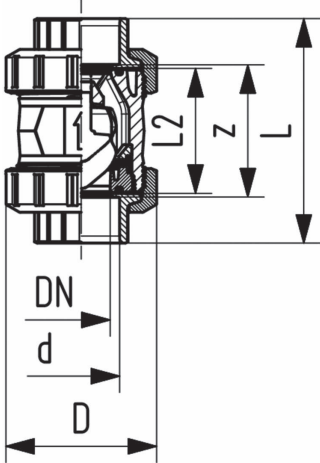


Warning: please make sure the diameter is not reduced through welding beads (Danger of turbulences)

d [mm]	FPM code	
20	175 562 092	
25	175 562 093	
32	175 562 094	
40	175 562 095	
50	175 562 096	
63	175 562 097	



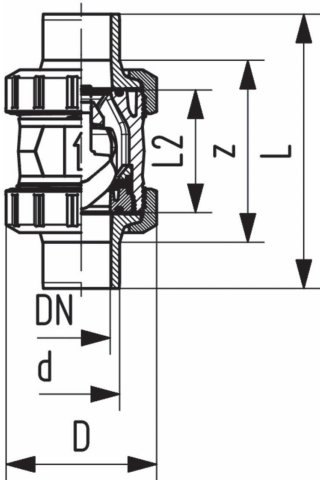
Check valve type 562 SYGEF Standard silicone free With fusion sockets metric



d [mm]	FPM code	weight [lb]	D [mm]	L [mm]	L2 [mm]	z [mm]	closest inch [inch]	
16	175 562 211	0.353	50	93	56	67	¾	
20	175 562 212	0.353	50	95	56	66	½	
25	175 562 213	0.750	58	109	65	77	¾	
32	175 562 214	0.794	68	119	71	83	1	
40	175 562 215	1.477	84	135	85	99	1 ¼	
50	175 562 216	2.183	97	147	89	105	1 ½	
63	175 562 217	3.902	124	168	101	117	2	
75	175 562 218	8.003	166	235	136	167	2 ½	
90	175 562 219	12.787	200	255	141	180	3	
110	175 562 220	20.834	238	305	164	215	4	



Check valve type 562 SYGEF Standard silicone free With butt fusion spigots IR-Plus metric

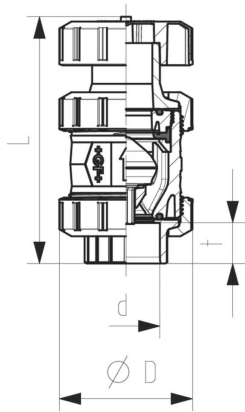


d [mm]	FPM code	weight [lb]	D [mm]	L [mm]	L2 [mm]	e [mm]	closest inch [inch]	
20	175 562 272	0.353	50	130	56	1.9	½	
25	175 562 273	0.772	58	143	65	1.9	¾	
32	175 562 274	0.838	68	150	71	2.4	1	
40	175 562 275	1.455	84	171	85	2.4	1 ¼	
50	175 562 276	2.205	97	191	89	3.0	1 ½	
63	175 562 277	3.946	124	220	101	3.0	2	
75	175 562 278	8.113	166	290	136	3.6	2 ½	
90	175 562 279	12.699	200	310	141	4.3	3	
110	175 562 280	20.437	238	350	164	5.3	4	

Type 591 SYGEF Standard Ventilating and bleed valve With fusion sockets metric

Model:

- Special floater made of PVDF
- Designed for easy installation and removal
- Compact installation length
- Material: PVDF
- With protection cap up to DN50 made from PP-GF, DN65-100 made from POM

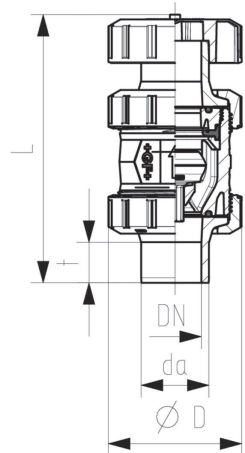


d [mm]	FPM code	
16	175 591 011	
20	175 591 012	
25	175 591 013	
32	175 591 014	
40	175 591 015	
50	175 591 016	
63	175 591 017	
75	175 591 018	
90	175 591 019	
110	175 591 020	

Type 591 SYGEF Standard Ventilating and bleed valve With socket fusion spigots metric

Model:

- Special floater made of PVDF
- Designed for easy installation and removal
- Compact installation length
- Material: PVDF
- With protection cap up to DN50 made from PP-GF, DN65-100 made from POM



d [mm]	FPM code	
16	175 591 031	
20	175 591 032	
25	175 591 033	
32	175 591 034	
40	175 591 035	
50	175 591 036	
63	175 591 037	

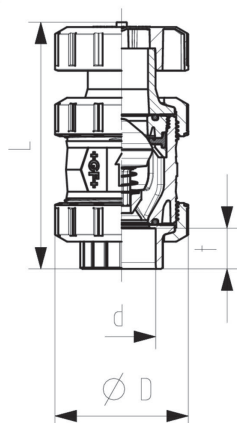


Ventilating valve type 595 SYGEF Standard With fusion sockets metric

Model:

- Material: PVDF
- With protection cap up to DN50 made from PP-GF, DN65-100 made from POM
- Spring loaded, spring made of NIMONIC 90, HALAR coated
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Compact installation length

d [mm]	FPM code
16	175 595 011
20	175 595 012
25	175 595 013
32	175 595 014
40	175 595 015
50	175 595 016
63	175 595 017
75	175 595 018
90	175 595 019
110	175 595 020

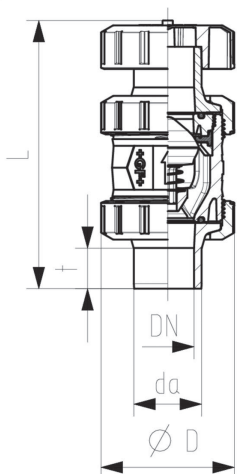


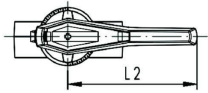
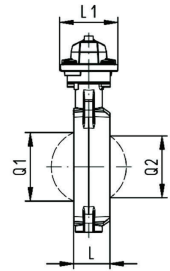
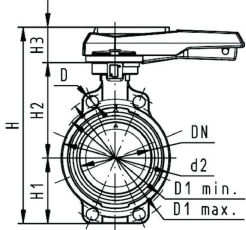
Ventilating valve type 595 SYGEF Standard With socket fusion spigots metric

Model:

- Material: PVDF
- With protection cap up to DN50 made from PP-GF, DN65-100 made from POM
- Spring loaded, spring made of NIMONIC 90, HALAR coated
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Compact installation length

d [mm]	FPM code
16	175 595 031
20	175 595 032
25	175 595 033
32	175 595 034
40	175 595 035
50	175 595 036
63	175 595 037

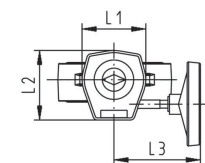
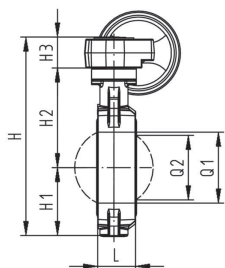
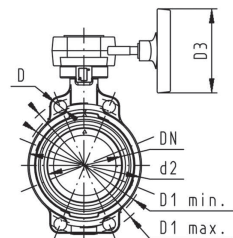




Type 567 Butterfly Valve SYGEF® Standard PVDF

Hand lever with ratchet settings

d [mm]	Size [inch]	FPM code	PTFE/FPM code	
63	2	175 567 002	175 567 202	
75	2 ½	175 567 003	175 567 203	
90	3	175 567 004	175 567 204	
110	4	175 567 005	175 567 205	
140	5	175 567 006	175 567 206	
160	6	175 567 007	175 567 207	
225	8	175 567 008	175 567 208	
280	10	175 567 009	175 567 209	
315	12	175 567 010	175 567 210	



Type 567 Butterfly Valve SYGEF® Standard PVDF

Reduction gear with handwheel

d [mm]	Size [inch]	FPM code	PTFE/FPM code	
63	2	175 567 022	175 567 222	
75	2 ½	175 567 023	175 567 223	
90	3	175 567 024	175 567 224	
110	4	175 567 025	175 567 225	
140	5	175 567 026	175 567 226	
160	6	175 567 027	175 567 227	
225	8	175 567 028	175 567 228	
280	10	175 567 029	175 567 229	
315	12	175 567 030	175 567 230	



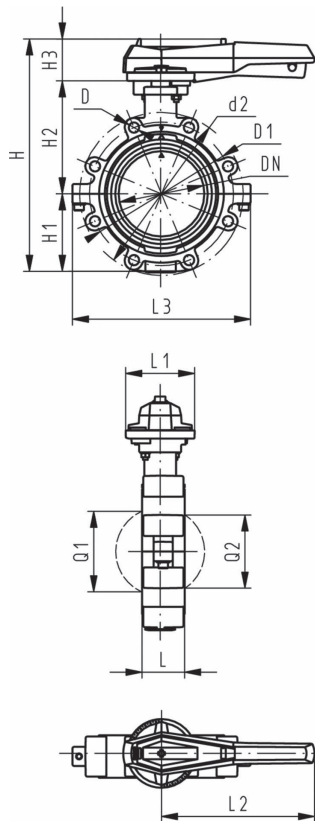
Type 568 Butterfly Valve SYGEF® Standard PVDF

Hand lever with ratchet settings

Model:

- Material: PVDF
- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI/ASME B 16.5 Class 150
- Overall length according to EN 558, ISO 5752

Model with PTFE seal in DN50 - DN80 on request



Size [inch]	FPM code	PTFE/FPM code	
2	175 568 102	175 568 302	
2 ½	175 568 103	175 568 303	
3	175 568 104	175 568 304	
4	175 568 105	175 568 305	
5	175 568 106	175 568 306	
6	175 568 107	175 568 307	
8	175 568 108	175 568 308	



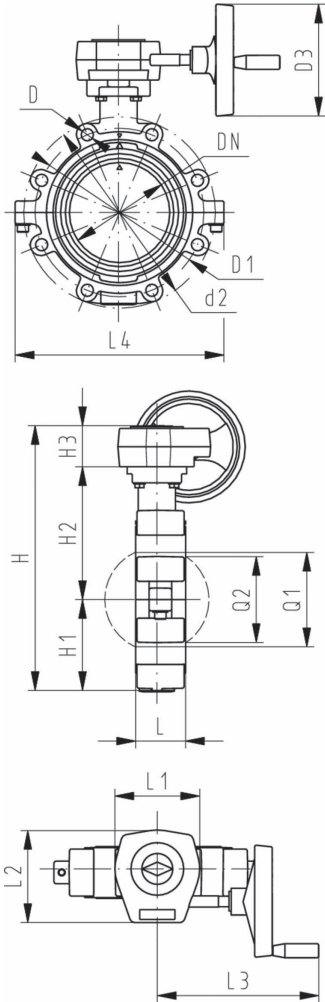
Type 568 Butterfly Valve SYGEF® Standard PVDF

Reduction gear with handwheel

Model:

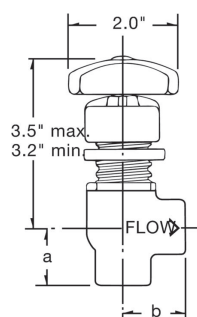
- Material: PVDF
- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI/ASME B 16.5 Class 150
- Overall length according to EN 558, ISO 5752

Model with PTFE seal in DN50 - DN80 on request



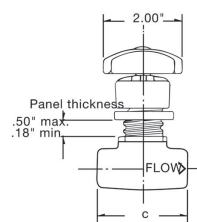
Size [inch]	FPM code	PTFE/FPM code	
2	175 568 122	175 568 322	
2 ½	175 568 123	175 568 323	
3	175 568 124	175 568 324	
4	175 568 125	175 568 325	
5	175 568 126	175 568 326	
6	175 568 127	175 568 327	
8	175 568 128	175 568 328	

Needle Valve - Type 522 Angle Body, Female NPT



Size	code	
1/4	155 522 579	
1/2	155 522 581	

Needle Valve - Type 522 Globe Body, Female NPT



Size	code	
1/4	155 522 554	
1/2	155 522 556	

Miscellaneous



T523, Low Profile Gauge Isolator Without Gauge

Size	code	weight [lb]	
1/4" x 1/4" FNPT	155 523 533	0.002	
1/4" X 1/2" FNPT	155 523 535	0.551	



T523, Low Profile Gauge Isolator With Gauge, Scale 0-160 PSI

Size	code	weight [lb]	
1/4" x 1/4" FNPT	155 523 537 *	0.002	
1/4" x 1/2" FNPT	155 523 539 *	0.002	



Pure Fluid Dispenser

Size	code	weight [lb]	
3/8" NPT	155 524 580 *	1.190	