

WCV Series Full Pattern Wafer Check Valves

2" TO 8" PVC AND CPVC

KEY FEATURES

- Robust Full Pattern Body
- PVC and CPVC
- No Special Spacers or Flanges Required
- High Cv Rating Equal to Metal Check Valves, Saves on Energy and Pump Wear
- FPM or EPDM Gasket and Face Seal
- One-Piece Disc and Shaft Design
- Designed for ANSI150 and PN10 Flanges
- Contoured Inlet Port for Easy Flow
- Lower Closing Pressure than Swing Check Valves
- Integral Bolt Eyes for Ease of Installation for Large Sizes
- Can be Installed in Vertical or Horizontal Position
- Pressure Rated to 150 PSI/PN10 in All Sizes

OPTIONS

- 316 Stainless Steel or Hastelloy® Disc Spring

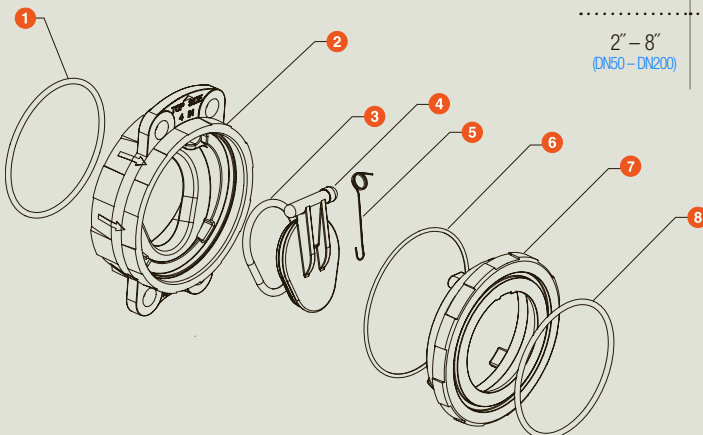
MATERIALS

- PVC per ASTM D1784 Cell Class 12454
- CPVC per ASTM D1784 Cell Class 23447
- FPM and EPDM Gasket and Disc Seals

* Patent No. 8,887,757

TECHNICAL INFORMATION

EXPLODED VIEW



SELECTION CHART

SIZE	MATERIAL	END CONNECTION	O-RING	SPRING	PRESSURE RATING
2" – 8" (DN50 – DN200)	PVC and CPVC	Wafer	FPM or EPDM	316 SS, Hastelloy®	150 PSI @ 70°F Non-Shock

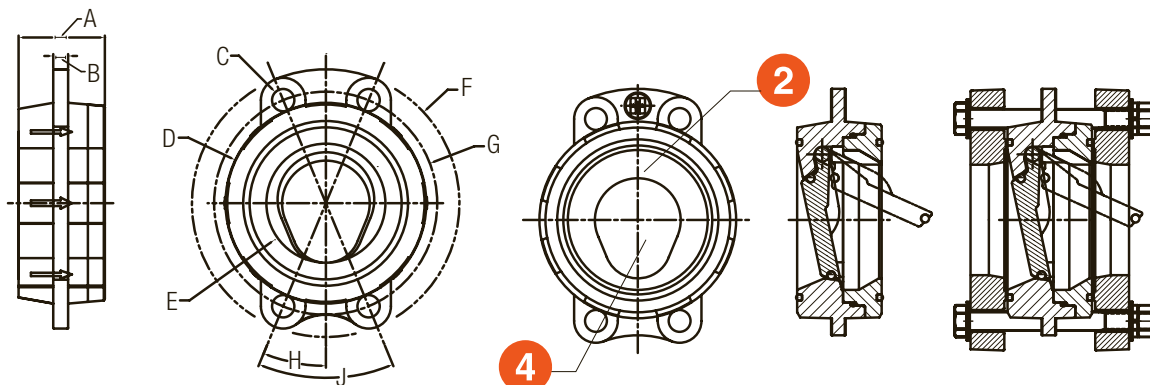
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TECHNICAL INFORMATION, CONTINUED

PARTS LIST

1. Face Seal O-Ring
2. Body
3. Wafer Disc O-Ring
4. Wafer Disc
5. Wafer Disc Spring
6. Body O-Ring
7. Body
8. Face Seal O-Ring

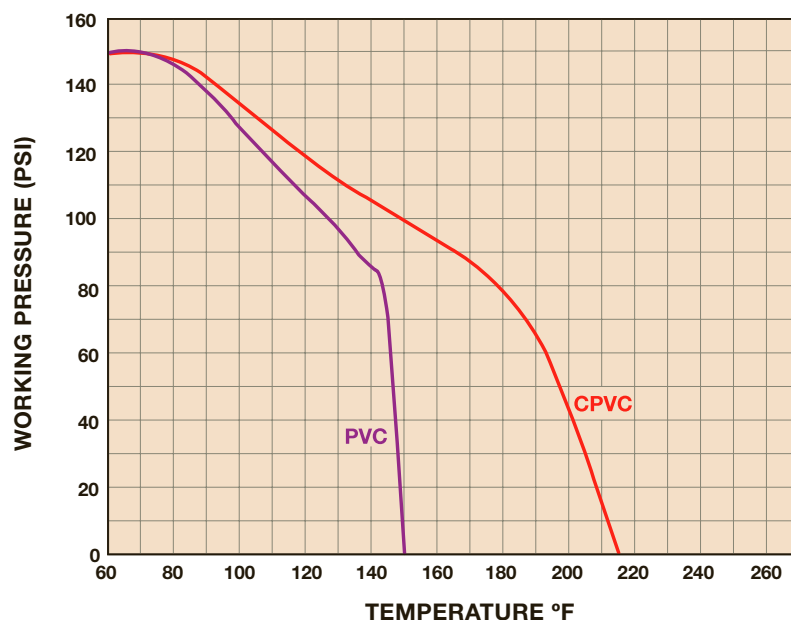


DIMENSIONS

SIZE in/DN	A in/mm	B in/mm	C in/mm	D in/mm	E in/mm	F in/mm	G in/mm	H in/mm	J in/mm
2/50	1.80/45	.25/6	—	4.00/101	2.03/51	5.25/133	—	—	—
2-1/2/65	2.30/58	.25/6	—	4.75/120	2.43/61	6.00/152	—	—	—
3/80	2.40/61	.25/6	—	5.25/133	3.00/76	6.50/165	—	—	—
4/100	2.90/73	.50/12	.75/19	6.75/171	4.00/101	9.00/228	.75/190	22.50/572	45.00/1143
6/150	3.00/76	.50/12	.88/22	8.63/219	5.77/146	11.13/282	9.50/241	22.50/572	45.00/1143
8/200	4.93/125	.75/19	.95/24	10.88/276	7.63/193	13.38/339	11.75/298	22.50/572	45.00/1143

Pressure Rating for ALL Sizes – 150 PSI @ 70°F Non-Shock
Consult Hayward for DN100 Wafer Check Dimension

OPERATING TEMPERATURE/PRESSURE



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Contact Hayward Flow Control with questions: **USA:** 1-888-429-4635 • Fax: 1-888-778-8410 • One Hayward Industrial Drive • Clemmons, NC 27012 USA
Canada: 1.888.238.7665 • Fax: 1.905.829.3636 • 2880 Plymouth Drive • Oakville, ON L6H 5R4 Canada • Email: hflowcanada@haywardnet.com
Visit us at: www.haywardflowcontrol.com • E-mail: hflow@haywardnet.com