

WC Series Wafer Check Valves

10" TO 14" PVC AND PP

KEY FEATURES

- PVC and PP Body and Disc
- FPM, EPDM or PTFE O-Ring Seats
- Compact and Lightweight
- Easy Installation
- Vertical or Horizontal Operation

OPTIONS

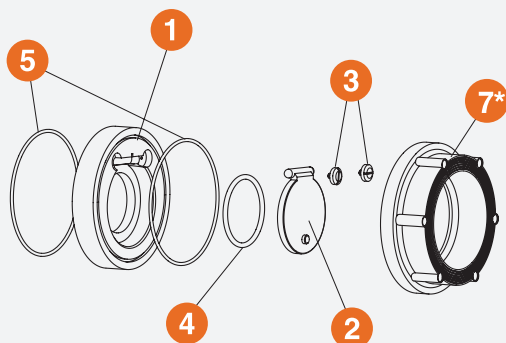
- Stainless Steel or Hastelloy® Disc Springs*



* Valve shown with spring option

TECHNICAL INFORMATION

EXPLODED VIEW



SELECTION CHART

SIZE	MATERIAL	END CONNECTION	O-RING	SPRING	PRESSURE RATING
10" – 14" (DN250 – DN350)	PVC or PP	Wafer	FPM, EPDM or PTFE*	316 SS, Hastelloy®	90 PSI @ 6 Bar @ 21°C 70°F Non-Shock

* PTFE encapsulated FPM

** Spacer Required All Sizes

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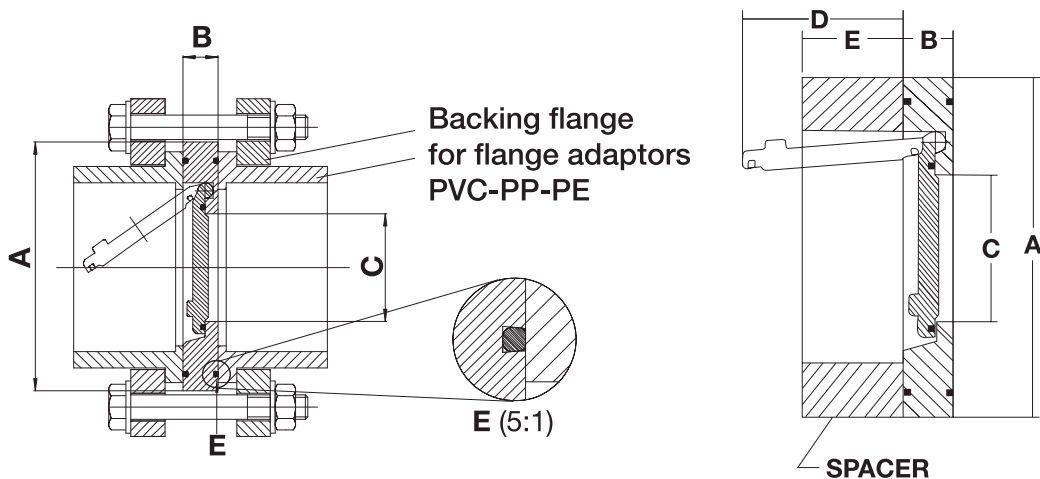
www.monarchindustrial.com.au

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TECHNICAL INFORMATION, CONTINUED

PARTS LIST

1. Body
2. Valve Flapper
3. Mounting Screw
4. Seat O-Ring
5. Body O-Ring
6. Support Ring
7. Spring (Optional)

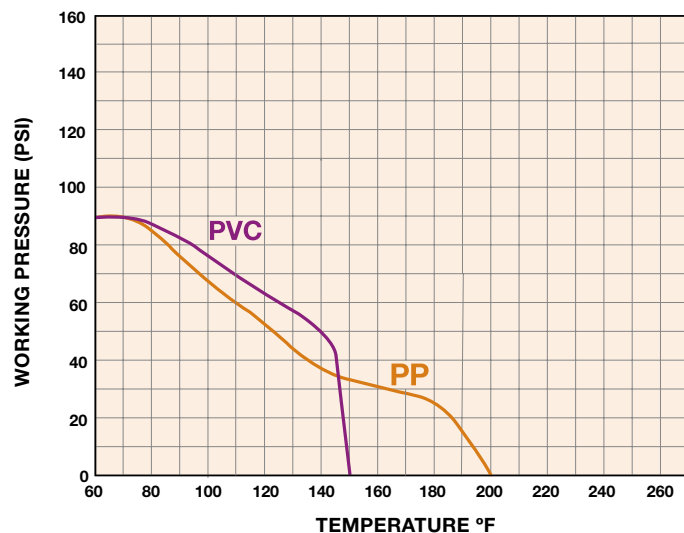


DIMENSIONS

SIZE in / DN	A in / mm	B in / mm	C in / mm	D (WITH SPRING) in / mm	E in / mm
10 / 250	13.00 / 330	1.60 / 41	7.50 / 191	9.00 / 229	4.00 / 102
12 / 300	15.00 / 381	1.80 / 46	8.94 / 227	10.20 / 259	5.90 / 150
14 / 350	17.32 / 440	1.93 / 49	10.47 / 266	9.64 / 245	6.30 / 160

Dimensions are subject to change without notice – consult factory for installation information

OPERATING TEMPERATURE/PRESSURE



Cv VALUES

SIZE in / DN	SCH 40	SCH 80
10 / 250	1880	2050
12 / 300	2520	2940
14 / 350		

PRESSURE LOSS CALCULATION FORMULA

$$\Delta P = \left[\frac{Q}{C_v} \right]^2$$

ΔP = Pressure Drop

Q = Flow in GPM

C_v = Flow Coefficient

– Hastelloy is a registered trademark of Haynes International Inc.



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