

NEW PRODUCT PREVIEW
**WCH Series
Wafer Check Valves**

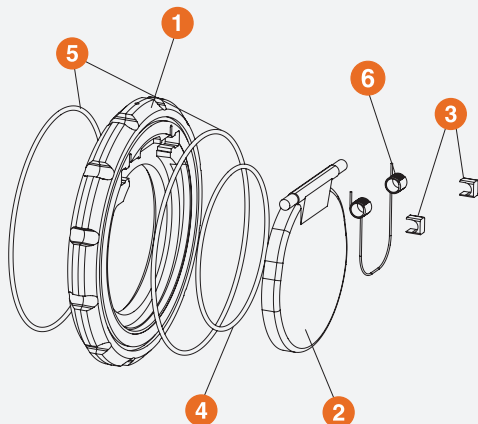
10" TO 14" PVC

KEY FEATURES

- PVC Body and Disc
- FPM or EPDM O-Ring Seats
- Compact and Lightweight
- Easy Installation
- Stainless Steel Disc Springs

OPTIONS

- Hastelloy® Disc Springs


TECHNICAL INFORMATION
EXPLODED VIEW

SELECTION CHART

SIZE	MATERIAL	END CONNECTION	O-RING	SPRING	PRESSURE RATING
10"-12" (DN250-DN300)	PVC	Wafer	FPM or EPDM	316 SS, Hastelloy®	116 PSI @ 8 Bar @ 21°C 70°F Non-Shock
14" (DN350)	PVC	Wafer	FPM or EPDM	316 SS, Hastelloy®	87 PSI @ 6 Bar @ 21°C 70°F Non-Shock

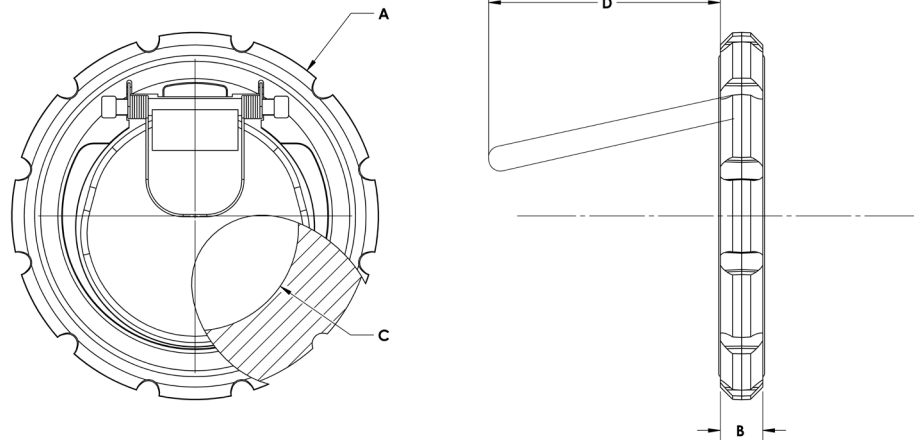
WCH Series Wafer Check Valves

10" TO 14" PVC

TECHNICAL INFORMATION, CONTINUED

PARTS LIST

1. Body
2. Valve Flapper
3. Flap-clips
4. Seat O-Ring
5. Body O-Ring
6. Spring



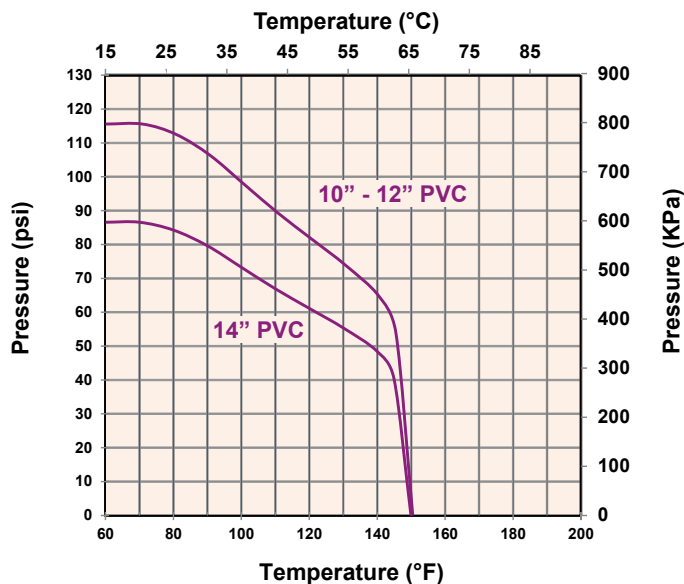
DIMENSIONS

SIZE in / DN	A in / mm	B in / mm	C in / mm	D in / mm
10 / 250	13.50 / 343	1.65 / 42	7.32 / 186	7.30 / 185
12 / 300	16.00 / 406	1.85 / 47	9.01 / 229	8.90 / 226
14 / 350	17.62 / 448	2.00 / 49	10.27 / 261*	10.6 / 269

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

*Effective Diameter

OPERATING TEMPERATURE/PRESSURE



Cv VALUES

SIZE in / DN	SCH 40
10 / 250	1790
12 / 300	2856
14 / 350	4035

PRESSURE LOSS CALCULATION FORMULA

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

ΔP = Pressure Drop

Q = Flow in GPM

Cv = Flow Coefficient



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