



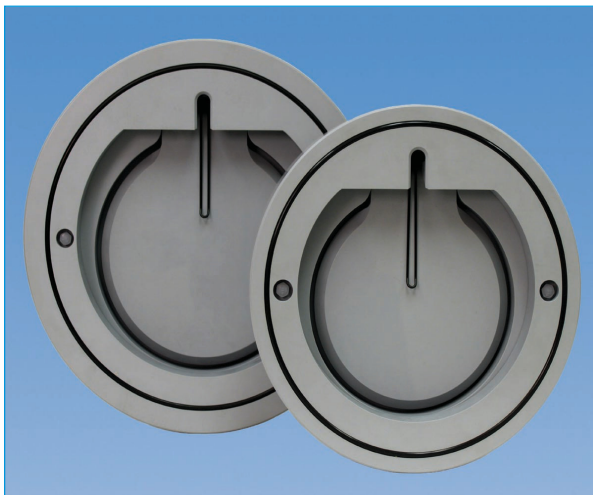
Wafer Check Valve

Standard Features (Sizes 4" - 12")

- PVC body with EPDM or FKM seals
- Slim profile permits easy installation
- Wafer style fits between 2-mating flanges
- Face to Face meets ASME/ANSI B16.10
- No spacer required
- No pipe interference with disc
- Vertical or horizontal installation
- No external shaft
- Excellent chemical resistance
- Max Pressure: 150 PSI 4"-8"
85 PSI 10" & 12"
- Max Temperature 120°F

Options

- SWP-B (SS) Spring ETFE coated
- DIN or JIS bolt pattern



Specifications

Size Range: 4" - 12"

Models: Wafer Style ANSI

Bodies: PVC

Seals: EPDM or FKM

Parts List (Sizes 4" - 12")

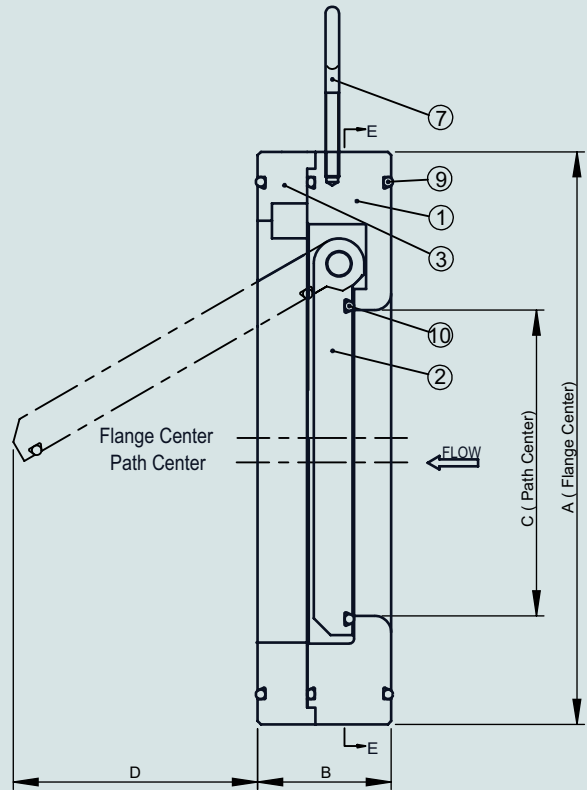
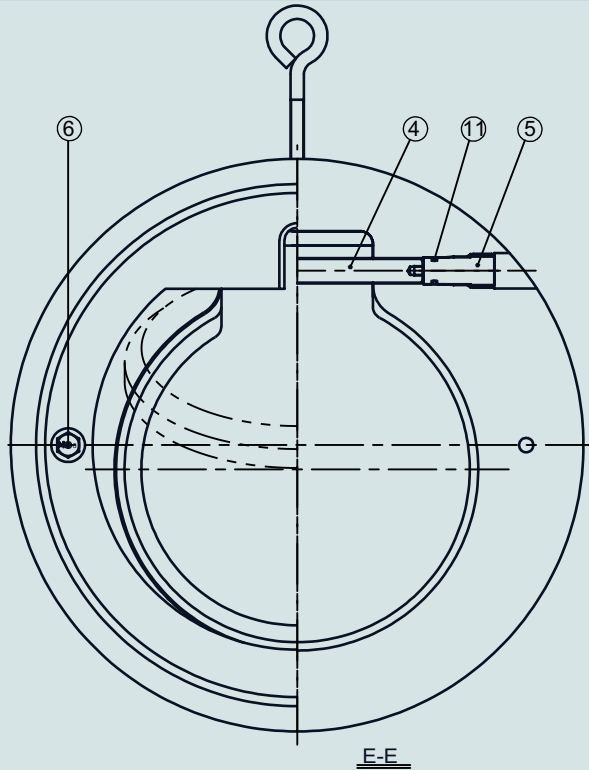
PARTS			
NO.	DESCRIPTION	PCS.	MATERIAL
1	Body	1	PVC
2	Disc	1	PVC
3	Stopper	1	PVC
4	Shaft	1	PVC
5	Shaft Plug	1	PVC
6	Bolt	2	PVC
7	I Bolt	1	SS400
8*	Spring	1	SWP-B W/ETFE Coating
9	O-Ring (A)	3	EPDM/FKM
10	O-Ring (B)	1	EPDM/FKM
11	O-Ring (C)	1	EPDM/FKM

* Item # 8 used on spring type valve only

Sample Specification

All Wafer Check valves shall be of solid thermoplastic construction, having no metal that comes in contact with the media. Valves shall incorporate a single disc design suitable for either horizontal or vertical installations. Valves shall be wafer style conforming to ASME/ANSI B16.1 face to face dimensions for 150 LB flanges. Valves shall be round body design with all O-ring seals of either EPDM or FKM and accept as an option an SWP-B ETFE coated spring for use in vertical applications. PVC shall conform to ASTM D1784 Cell Classification 12454. Valves shall be rated to 150 psi (4"- 8") and 85 psi (10" & 12") at 70 degrees F, as manufactured by Asahi/America, Inc.

Wafer Check Valve



Dimensions

NOMINAL SIZE		Wafer			
		ANSI Class 150			
		A	B	C	D
4"	100mm	6.89	2.24	2.05	2.43
6"	150mm	8.74	2.76	3.62	3.89
8"	200mm	10.98	2.87	5.20	5.34
10"	250mm	13.39	3.12	6.97	5.75
12"	300mm	16.14	3.38	8.54	7.09

Note: Dimensions are identical for Spring type

Minimum Opening Pressures

NOMINAL SIZE		Minimum Opening Pressure (PSI)			
		Without Spring		With Spring	
		Horizontal	Vertical	Horizontal	Vertical
4"	100mm	0.01	0.1	0.01	0.2
6"	150mm	0.01	0.1	0.01	0.2
8"	200mm	0.01	0.1	0.01	0.2
10"	250mm	0.01	0.1	0.01	0.2
12"	300mm	0.01	0.1	0.01	0.2

Minimum Sealing Pressures

NOMINAL SIZE		Minimum Sealing Pressure (PSI)			
		Without Spring		With Spring	
		Horizontal	Vertical	Horizontal	Vertical
4"	100mm	1.0	1.0	1.0	1.0
6"	150mm	1.0	1.0	1.0	1.0
8"	200mm	1.0	1.0	1.0	1.0
10"	250mm	1.0	1.0	1.0	1.0
12"	300mm	1.0	1.0	1.0	1.0

Pressure vs. Temperature (PSI) Water Non-Shock

NOMINAL SIZE		PVC
		EPDM/FKM 30° F-120° F
4"	100mm	150
6"	150mm	150
8"	200mm	150
10"	250mm	85
12"	300mm	85

Weights (LBS)

NOMINAL SIZE		Weight (LBS)
4"	100mm	4
6"	150mm	6
8"	200mm	10
10"	250mm	16
12"	300mm	25

Cv Values

NOMINAL SIZE		CV
4"	100mm	200
6"	150mm	646
8"	200mm	1191
10"	250mm	1750
12"	300mm	2620