

FEATURES

- Light weight, versatile design — 80% to 90% less than conventional full-body swing check valves

All materials available!

BENEFITS

- Simplifies piping
- Reduces thermal and seismic considerations
- Optimizes space utilization
- Lowers installation costs
- Reduces pipe supports
- Requires less number of man-hours

- Single Disc opening

- Unobstructed flow
- Stable disc at lower flow velocities

- Full swing arm/disc assembly

- No shearing of disc from arm
- Non-rotating disc for longer life
- No nut to back-off disc stem

- Spring-loaded disc calculated to increase the responsiveness of the disc

- Alleviates water hammer and resultant damaging effects

- Optional: O-ring seat secured in body with dove-tail groove

- Field replaceable seat
- Seat is out of the direct flow stream

- Integrated body seat

- Seat is integral in valve

- Non-blow out shaft design

- Improved safety to personnel and surrounding equipment
- Complies with OSHA/EPA No. 550-97-002F Alert, "Shaft Blow-Out Hazard of Check and Butterfly Valves"

- Outside mounted accessories externally supported

- Increased control of valve performance
- Long body seal life
- Enhanced fugitive emissions control

GENERAL APPLICATION

- General service piping systems
- Water, oil, gasoline
- Gas (compressible gases)
- Air (compressed air & blower)

INSTALLATION

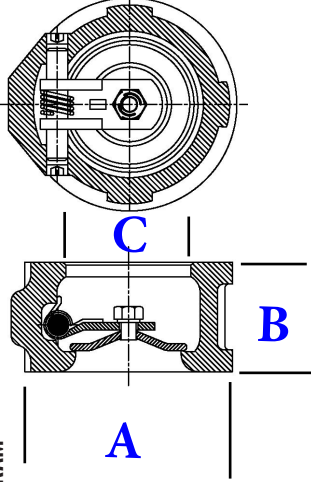
intMPE wafer check valves are designed for installation in flanged piping systems, between two flanges. Valves may be installed in vertical or horizontal piping. Vertical up flow is always a good installation. Consult factory for vertical down flow.

To insure maximum service life it is recommended to have 5 pipe diameters of straight pipe in front of the valve and installed as shown on the following page.

INDUSTRY STANDARDS

- ASME B16.1, B16.5, B16.34, B16.42, B16.47 and B31.1
- API 594 and 598
- MSS-SP-25, MSS-SP-55
- API 6A and 6D (as applicable)
- MSS-SP-61 (standard for metal seated)

DIAGRAM



Size		A		B		C		Cv	
in	mm	in	mm	in	mm	in	mm	lbs	GPM
2	50	4 1⁄8	104.8	2 3⁄8	60.3	2 1⁄16	52.4	4	70
3	80	5 3⁄8	136.5	2 7⁄8	73	3 1⁄16	77.8	10	225
4	100	6 7⁄8	174.6	2 7⁄8	73	4 1⁄32	102.4	13	295
6	150	8 3⁄4	222.3	3 7⁄8	98.4	6 1⁄16	154	31	700
8	200	11	279.4	5	127	7 31⁄32	202.4	49	1270
10	250	13 3⁄8	339.7	5 3⁄4	146	10	254	82	2350
12	300	16 1⁄8	409.6	7 1⁄8	181	12	304.8	124	3850
14	350	17 3⁄4	450.9	7 1⁄4	184.2	13 1⁄4	336.6	176	4250
16	400	20 1⁄4	514.4	7 1⁄2	190.5	15 1⁄4	387.4	220	7000
18	450	21 5⁄8	549.3	8	203.2	17 1⁄4	438.2	242	9550
20	500	23 7⁄8	606.4	8 5⁄8	219.1	19 1⁄4	489	372	13000
24	600	28 1⁄4	717.6	8 3⁄4	222.3	23 1⁄4	590.6	584	25000