

FEATURES	BENEFITS
<ul style="list-style-type: none"> Light weight, versatile design — 80% to 90% less than conventional full-body swing check valves <p>All materials available!</p>	<ul style="list-style-type: none"> Simplifies piping Reduces thermal and seismic considerations Optimizes space utilization Lowers installation costs Reduces pipe supports Requires less number of man-hours
<ul style="list-style-type: none"> Single Disc opening 	<ul style="list-style-type: none"> Unobstructed flow Stable disc at lower flow velocities
<ul style="list-style-type: none"> Full swing arm/disc assembly 	<ul style="list-style-type: none"> No shearing of disc from arm Non-rotating disc for longer life No nut to back-off disc stem
<ul style="list-style-type: none"> Spring-loaded disc calculated to increase the responsiveness of the disc 	<ul style="list-style-type: none"> Alleviates water hammer and resultant damaging effects
<ul style="list-style-type: none"> Optional: O-ring seat secured in body with dove-tail groove 	<ul style="list-style-type: none"> Field replaceable seat Seat is out of the direct flow stream
<ul style="list-style-type: none"> Integrated body seat 	<ul style="list-style-type: none"> Seat is integral in valve
<ul style="list-style-type: none"> Non-blow out shaft design 	<ul style="list-style-type: none"> 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"
<ul style="list-style-type: none"> Outside mounted accessories externally supported 	<ul style="list-style-type: none"> Increased control of valve performance Long body seal life Enhanced fugitive emissions control

GENERAL APPLICATION

<ul style="list-style-type: none"> General service piping systems Water, oil, gasoline 	<ul style="list-style-type: none"> Gas (compressible gases) Air (compressed air & blower)
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INSTALLATION

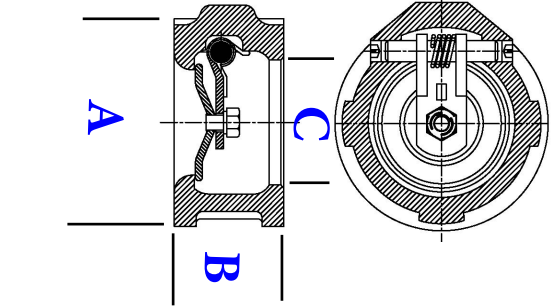
intMPE wafer check valves are designed for installation in flanged piping systems, between two flanges. Valves may be installed in vertical or horizontal piping. Vertical up flow is always a good installation. Consult factory for vertical down flow.

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

Approximate weights and dimensions – apply for certified drawings. Dimensions for valves with accessories and cracking pressures are available upon request.