



Enriching Lives



**KIRLOSKAR**  
**CAST IRON SWING CHECK**  
**TYPE REFLUX (NON RETURN) VALVES**

As per IS : 5312, Part - 1



**KIRLOSKAR BROTHERS LIMITED**

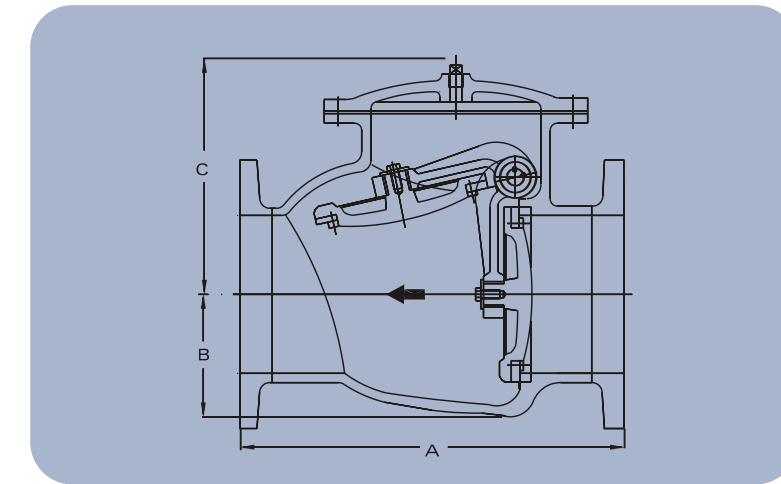
### Applications

1. Check valves are used in pipe lines to reduce water hammer and to prevent back flow of water to the pumps from rising mains.
2. These valves are suitable for handling clear water having turbidity of 3000 ppm maximum within the limits of the pressure ratings mentioned overleaf and for temperature upto 50 Deg.°C.

### Salient constructional features

1. Swing check type double flanged design.
2. Rigid and sturdy design with minimum loss of head across the valve.
3. Perfect interchangeability of components.
4. Assured parallelism between side flanges.
5. Long service life and leak-tightness of high order.

### Typical cross sectional view



### Material of construction

	Body, Disc, Cover	Hinge	Hinge Pin	Body Ring	Disc Face
Standard Supply	Cast Iron	Cast Iron (upto 300mm NB size) Carbon steel (Fab) above 350 mm NB size	SS AISI 410	Leaded Gun Metal	Natural Rubber
Optional	Ductile Iron, Cast steel	Ductile Iron, Cast steel	SS AISI 304 SS AISI 316 High Tensile Brass	SS AISI 316 SS AISI 304 SS AISI 410	Leaded Gun Metal SS AISI 304 SS AISI 410 SS AISI 316

For special material of construction please contact us.

### General dimensions

Normal Size (DN)	A	A (Alternate)	B Approx.	C Approx.
50	203	200	60	120
65	216	240	70	150
80	241	260	85	170
100	292	300	100	205
125	330	350	110	210
150	356	400	135	250
200	495	500	170	300
250	622	600	205	345
300	698	700	215	395
350	787	800	255	430
400	914	900	285	510
450	978	1000	320	570
500	978	1100	380	625
600	1295	1300	400	685

### Hydraulic test pressure

Pressure Rating	Body Test Pressure	Seat Test Pressure
PN 0.6	9 kg/cm <sup>2</sup>	6 kg/cm <sup>2</sup>
PN 1.0	15 kg/cm <sup>2</sup>	10 kg/cm <sup>2</sup>
PN 1.6	24 kg/cm <sup>2</sup>	16 kg/cm <sup>2</sup>

### End connection

Standard Supply	IS : 1538, Table 4 & 6
Optional	BSEN 1092-2 PN 10 BSEN 1092-2 PN 16 ANSI B16.1 CI125 ANSI B16.5 CL150 BS 10 TABLE- D / E / F

### Accessories (optional)

1. By pass arrangement
2. Dashpot Arrangement (350mm NB & above sizes)
3. Support foot
4. Drain plug
5. Strainer



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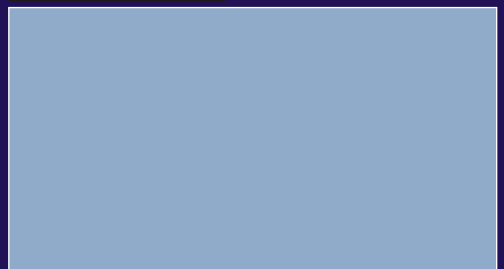
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