



VALVES

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Swing Check Valves

Check Valve Design

Swing Check Valves are manufactured in sizes from DN50 to DN400 with the options of bronze trim or all iron versions and for working pressures of up to 25 bar. They are suitable for either horizontal or vertical mounting with the angle of the door being such as to ensure that in either position, that closure starts at the point where forward flow declines.

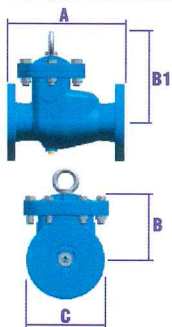
Features and Benefits

Body Configuration: Allows for full flow area during normal operation.
Seat: Hydraulically pressed into body
Door/Hinge: Designed to adjust itself accurately to the plane of the seating under load.

Pressure Ratings and Valve Fig. Numbers

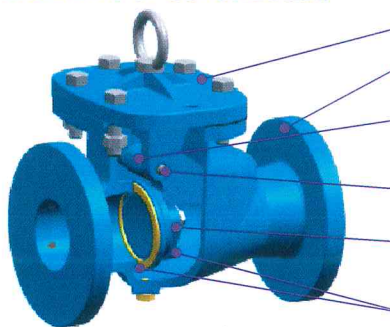
Press. Class	Valve Size mm	Seat Press. Rating	Body Press. Rating	Flange PN	Fig. No. Bronze Trim	Fig. No. All Iron
10	50 - 400	10 bar	20 bar	16	6154	6254
16	50 - 400	16 bar	32 bar	16	6154	6254
25	50 - 400	25 bar	50 bar	25	6354	6454

Overall Dimensions and Weights



	50	80	100	150	200	250	300	350	400
A	230	305	355	445	535	635	760	865	865
B	135	176	198	246	310	366	402	485	560
B1	190	231	253	301	365	429	465	548	623
C	181	229	267	333	413	502	584	610	673
WEIGHT (kg) PN10,16	16	29	42	84	132	228	320	550	670
WEIGHT (kg) PN25	20	34	48	95	146	250	350	590	730

Materials of Construction



- Cover**
Cast iron Grade 250
- Body**
Cast iron Grade 250
- Hinge**
Cast iron Grade 250
- Hinge Pin**
S/steel Gr. 304
- Door**
Cast Iron Gr. 250
- Seat Ring & Door Ring**
Gunmetal BS Gr. LG2-C
Alternatively Cast Iron Gr. 250
- Seat**
Alternatively Nitrile

Valve Head loss Values

