



DESCRIPTION

VALMATIC™ Cast Iron Swing Check Valve is designed to prevent backflow with minimum resistance to flow because of the full flow passage. With flow in one direction, the disc hinges upwards to permit flow through the valve. The Disc is held closed when flow is reversed.

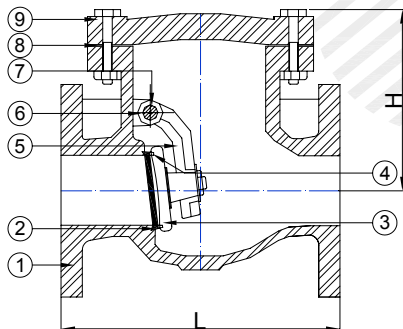
VALMATIC™ Cast Iron Swing Check Valve is designed with compact construction and is maintenance free. They can be installed in horizontal and vertical positions (upward flow direction) in the pipelines system. It is widely used in process industries such as Palm Oil and Refinery Plant, Petrochemical, Fire Protection System, Power Plant, Water Treatment Plant and Cooling System.

APPLICATION

Suitable for crude oil, water, steam, gases and others non-aggressive media (Refer to corrosion resistance table for valve materials selection).

SPECIFICATION

Face to Face Dimension	- ANSI B16.10
Standard Compliance	- Conform to MSS SP-71
End Connection	- Flanged End to B16.5 ANSI 150
Pressure Rating	- Class 125, maximum 175 PSI
Working Temperature	- Up to 200°C
Test Pressure (Hydrostatic)	- Body - 300 PSI Seat - 200 PSI



MATERIALS

No.	Parts	Material
1.	Body	Cast Iron ASTM A126B
2.	Seat Ring	Stainless Steel 13%Cr.
3.	Disc	Cast Iron ASTM A126B
4.	Disc Ring	Stainless Steel 13%Cr.
5.	Hinge	Cast Steel ASTM A216 WCB
6.	Hinge Pin	Stainless Steel 13% Cr.
7.	Plug	Ductile Iron ASTM A536
8.	Bonnet Gasket	Graphite with Steel
9.	Bonnet	Cast Iron ASTM A126B

PRESSURE-TEMPERATURE RATINGS ACC. MSS STANDARD PRACTICE SP-70, SP-71 AND SP-85

Pressure Rating And Material	Temperature				
	60°C	120°C	160°C	200°C	230°C
Valve Size 2" - 12"	14 Bar	12 Bar	10 Bar	9 Bar	8 Bar
Valve Size 14" & 16"	10 Bar	8 Bar	7 Bar	—	—

DIMENSIONS (mm)

Size (inch)	2	2½	3	4	5	6	8	10	12	14	16
L	203.2	215.9	241.3	292.1	330.2	355.6	495.3	622.3	698.5	787.4	914.4
H	153	162	176	220	226	256	298	376	410	444	501
Weight (Kg)	17.6	20.5	28	45	60	77	128	199	308	500	680

The specification is subject to change without further notice



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