



ANSI 150# SS316 SWING CHECK VALVES

Literature



Introduction:



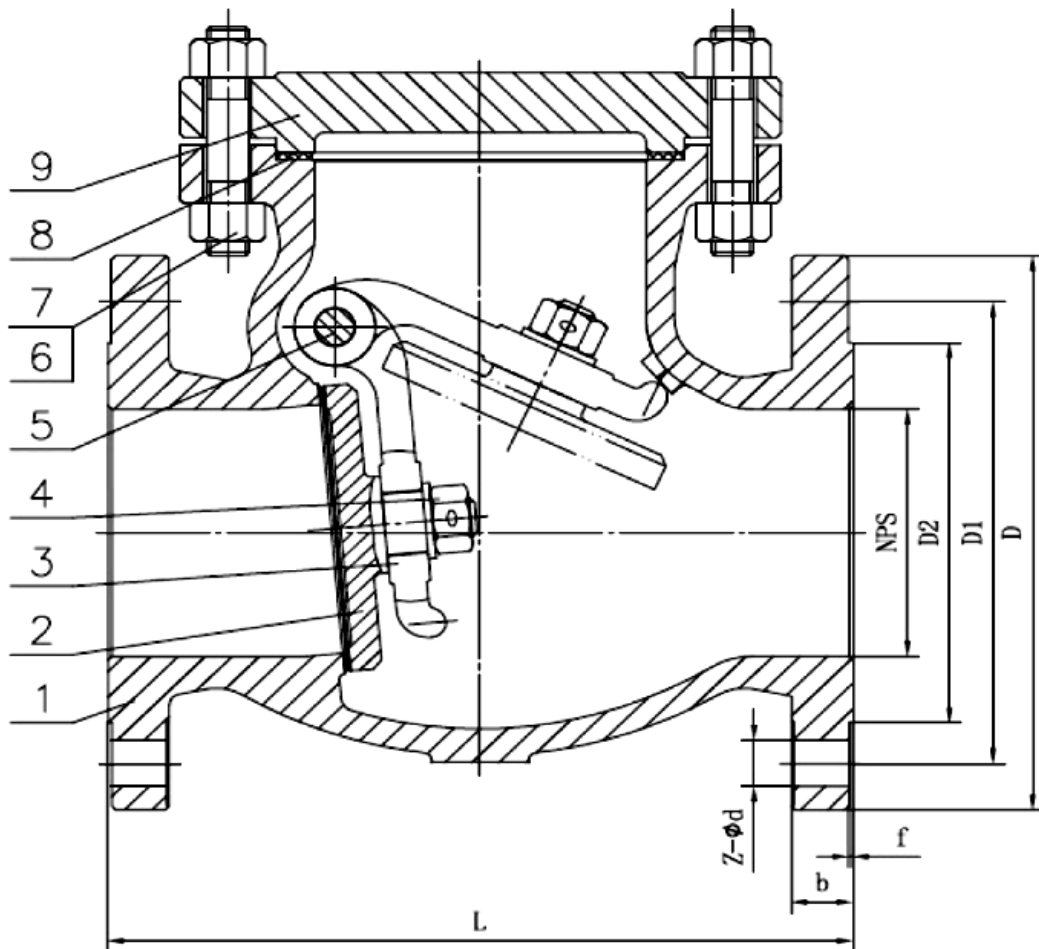
Figure 1 ANSI 150# SS316 Swing Check Valve

150# flange swing check valve is a valve that allows fluids to flow through in one direction only. It is also known as non-return valve or one way valve. It is designed and manufactured according to BS1868 & ASME B16.34. An arrow directional is marked on the valve body to show where the fluids flow to.

These valves are two-port flange end valves, meaning they have two openings in the body, one for fluid to enter (inlet port) and the other for fluid to leave (outlet port). The fluids will flow from the inlet port, pushing the disc to swing up and flow through the valve passage. If there is any back flow from the outlet port, it will push the disc towards the inlet port and block the back flow.

As check valves work automatically, it does not require any valve handle or stem to operate. ANSI 150# SS316 swing check valve is made of stainless steel SS316/CF8M material.

ANSI 150# SS316 Flange Swing Check Valve Drawing:



Material:

No	Part Name	Material
1	Body	SS316 & CF8M
2	Disc	SS316 & CF8M
3	Arm	SS316 & CF8M
4	Nut	SS316
5	Hinge Pin	SS316
6	Bolt	SS316
7	Nut	S316
8	Gasket	PTFE
9	Bonnet	SS316 & CF8M

Main Technical Parameter:

Nominal Pressure	150#
Shell Test	3.0 MPa
Seal Test	2.2 MPa
Air Seal Test	0.4 - 0.7 MPa

Technical Specifications:

1. Basic design and manufacture according to BS1868 & ASME B16.34
2. Structure length according to ASME B16.10
3. Flange ends complied with ASME B16.5
4. Inspection and tested according to API 598

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