

CLASS 800 FORGED STAINLESS

STEEL 316L SWING CHECK VALVE



A swing check valve that offers the following key features:

- Forged stainless steel 316L
- Bolted cover
- Class 800lb
- Socket weld or threaded connections
- Available in sizes 1/2" to 2"
- Temperature: -29°C to 425°C
- Maximum pressure: 138 Bar

DESCRIPTION

A forged stainless steel 316L class 800lb swing check valve with a bolted bonnet design.

Conforms to API 602 and ASME B16.34. Available in sizes 1/2" (DN15), 3/4" (DN20), 1" (DN25), 1-1/2" (DN40), and 2" (DN50).

With excellent seal capabilities installed in either vertical or horizontal orientation.

This valve is offered with various end connections including

BSPT, NPT, and socket weld and is suitable for use with steam, thermal oil, air, gas and water.

Typical applications include: process lines, condensate lines, hot and cold water systems, and thermal oil systems in boiler plants, laundries, steam plants, and process plants.

With a working temperature range of -29°C to 425°C and a maximum working pressure of 138 Bar.

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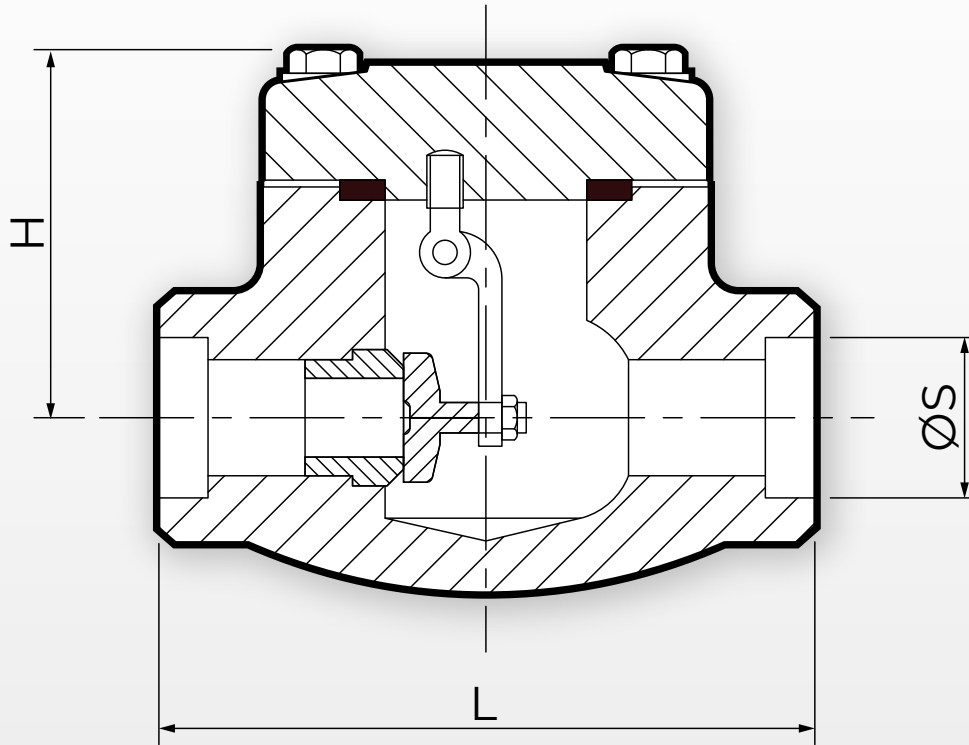


TABLE 1: DIMENSIONS IN MM

NPS	L	H	ØS	T	Weight	SKU (NPT Ends)	SKU (BSPT Ends)	SKU (Socket Weld)
1/2"	79	61	21.8	10	1.1 kg	CV5732-220665	CV5732-220670	CV5732-220675
3/4"	92	70	27.2	13	1.8 kg	CV5732-220666	CV5732-220671	CV5732-220676
1"	111	77	33.9	13	2.6 kg	CV5732-220667	CV5732-220672	CV5732-220677
1-1/2"	120	101	48.8	13	5.5 kg	CV5732-220668	CV5732-220673	CV5732-220678
2"	140	120	61.2	16	8.4 kg	CV5732-220669	CV5732-220674	CV5732-220679

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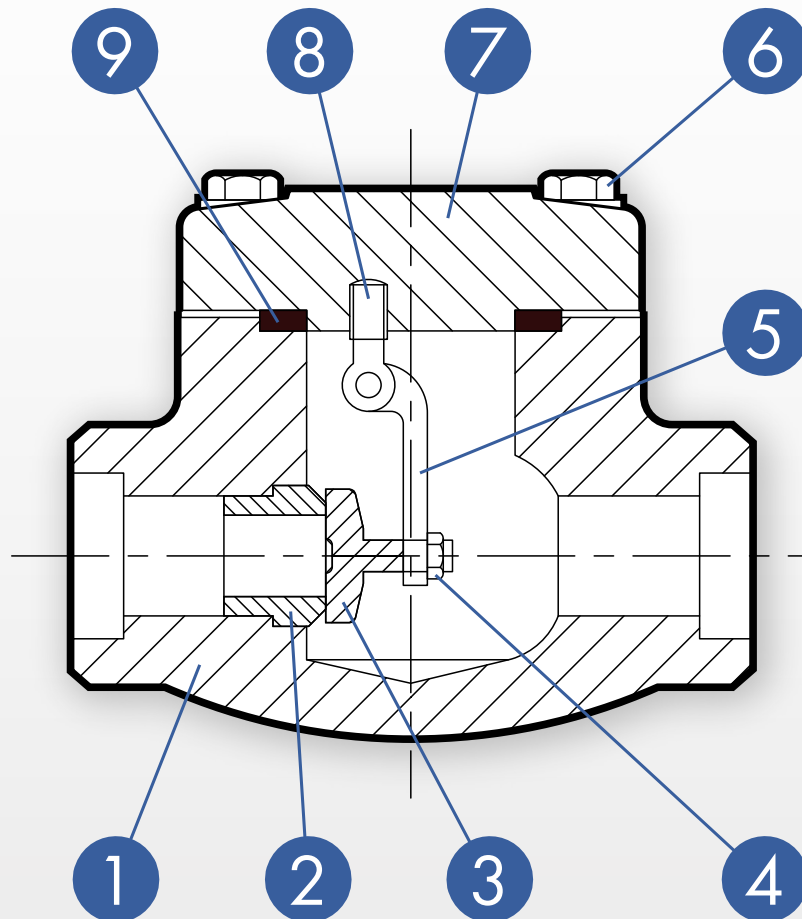


TABLE 2: MATERIALS

Item	Part Name	Material
1	Body	F316L
2	Seat	F316
3	Disc	F316+ST6
4	Nut	ASTM a194 Gr 8
5	Hinge	F316
6	Bonnet bolt	ASTM A193 B8M
7	Bonnet	F316L
8	Yoke	F316
9	Gasket	SS316+Graphite
-	Sealing face (disc/seat)	STL6/F316

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TABLE 3: STANDARDS

Standards	
Design	API 602
NPT screwed ends	ANSI B1.20.1
Socket weld ends	ANSI B16.11
Testing	API 598
P/T rating	ANSI B16.34

TABLE 4: TEST DATA

Test	Test Results in Mpa
Shell Test-Hydrostatic	20.5
Seat Test-Hydrostatic	15.0
Seat Test-Pneumatic (Air)	0.6