



LVF Check valve Type: 1804 Steel Flange Class 150

Forged steel check valve, piston type, with bolted cover and flanged ends, Class 150

Characteristics

Type: 1804
Norm: ASME
Construction type: Straight
Housing material: Steel
Material quality: ASTM A105N
Surface protection: Phosphated
Connection: Flange
Flange finish: Raised face
Face to Face norm: ASME B16.10, T1, Serie 15
With spring: Yes
Maximum medium temperature (continuous): 426 °C
Maximum pressure difference at 20 °C: 20 bar

Application

- Refineries and (petro-) chemical procesinstallations.
- Oil & gas industry.
- Steam and oil.
- Neutral liquids and gases.
- Recommended in: Chemical, Petrochemical and Refining

Technical Information

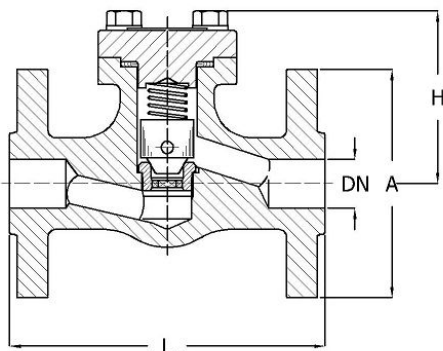
- Design: API602, ASME B16.34.
- Testing: API598.
- Emission standard: API 624.
- NACE MR01-75, MR01-03.

Options

- Available in Class 300; type 1805.
- Available in Class 600; type 1806.
- Available in Class 1500 and 2500.
- Available in other materials.
- Available with butt weld ends or RTJ flanges.
- Available for cryogenic or high temperature applications.

Size table:

DN	A	H	L	Weight
	mm	mm	mm	kg
1/2" [15]	89	70	108	2.6
3/4" [20]	98.4	80	118	3.8
1" [25]	108	92	127	5.1
1.1/2" [40]	127	100	165	8.9
2" [50]	152.4	140	203	15



Pressure and temperature table

-29/38	50	100	150	200	250	300	350	400	425	450	500	538	[°C]
19.6	19.2	17.7	15.8	13.8	12.1	10.2	8.4	6.5	5.5	4.6	2.8	1.4	[bar]

ASTM A105N is not recommended for long-term use above 425 °C.

Check the above values and any additional comments with ASME B16.34 (last version).

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Nominal inner diameter	Pressure rating	Face to Face length	Valve shape	Sealing	Material disc	Material cover	Material cover gasket	Spring material	Minimum medium temperature (continuous)	Article
		mm							°C	
1/2" [15]	Class 150	108	Flap	Trim 8	ASTM A479 410	ASTM A105N	Stainless steel 316 SW Graphite filled	ASTM A479 316	-29	13614954
3/4" [20]	Class 150	118	Flap	Trim 8	ASTM A479 410	ASTM A105N	Stainless steel 316 SW Graphite filled	ASTM A479 316	-29	13614955
1" [25]	Class 150	127	Flap	Trim 8	ASTM A479 410	ASTM A105N	Stainless steel 316 SW Graphite filled	ASTM A479 316	-29	13614956
1.1/2" [40]	Class 150	165	Flap	Trim 8	ASTM A479 410	ASTM A105N	Stainless steel 316 SW Graphite filled	ASTM A479 316	-29	13614958
2" [50]	Class 150	203	Flap	Trim 8	ASTM A479 410	ASTM A105N	Stainless steel 316 SW Graphite filled	ASTM A479 316	-29	14281747

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