



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

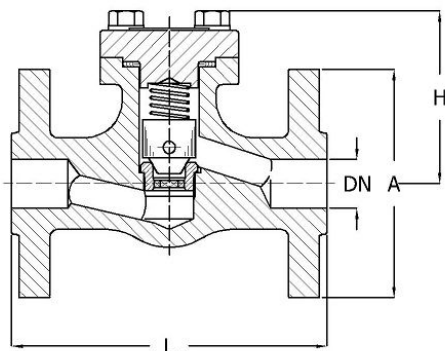
- Design: API602, ASME B16.34.
- Testing: API598.
- Emission standard: API 624.
- NACE MR01-75, MR01-03.

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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Non-return Valves | Non-return Valves with Flange Connection

Nominal inner diameter	Pressure rating	Face to Face length mm	Valve shape	Sealing	Material disc	Material cover	Material cover gasket	Spring material	Minimum medium temperature (continuous) °C	Article
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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