



LVF Gate valve Type: 1766 Stainless steel Socket weld Class 800

Forged stainless steel gate valve, OS&Y, with bolted bonnet and socket weld ends, Class 800

Characteristics

Type: 1766

Norm: ASME

Housing material: Stainless steel

Connection: Socket weld

Standard welding connection: ASME B16.11

Full bore: No

Stem seal type: Gland seal

Primary spindle seal material: Graphite

Material bonnet: ASTM A182 F316L

Bonnet gasket material: Stainless steel 316 SW
Graphite filled

Actuator material: Steel

Minimum medium temperature (continuous): -196 °C

Maximum medium temperature (continuous): 540 °C

Maximum pressure difference at 20 °C: 136 bar

Approvals: API 624

Technical Information

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

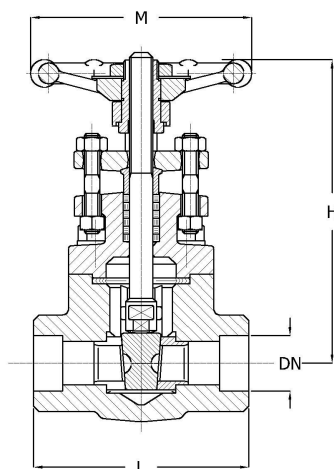
Options

- Available in carbon steel; type 1755.
- Available with NPT thread connections; type 1764.
- Available in Class 1500.
- Available in other materials.
- Available for cryogenic or high temperature applications.
- Equipped with an electric, pneumatic or hydraulic actuator.

Application

- Refineries and (petro-) chemical process installations.
- Oil & gas industry.
- Corrosive liquids and gases.
- Recommended in: Chemical, Petrochemical and Refining

Size table:



DN	H	L	M	Weight
	mm	mm	mm	kg
1/2" [15]	145	80	80	1.8
3/4" [20]	155	90	80	1.8
1" [25]	185	110	80	3.6
1.1/2" [40]	255	127	120	7.5
2" [50]	277	130	120	9.8

Pressure and temperature table

-29/38	50	100	150	200	250	300	350	400	425	450	500	538	[°C]
132.4	127.5	109	98.7	91.9	86.7	82.4	79	75.8	74.7	73.1	70.7	65.2	[bar]

Check the above values and any additional comments with API602.

Material quality	Nominal inner diameter	Pressure rating	Face to Face norm	Face to Face length	Operation	Type of bonnet	Sealing	Wedge material	Spindle material	Article
mm										
ASTM A182 F316L	1/2" [15]	Class 800	Manufacturer standard	80	Hand wheel, non-rising with rising stem	Bolted bonnet	Trim 12	ASTM A182 F316	ASTM A182 F316	13614995
ASTM A182 F316L	3/4" [20]	Class 800	Manufacturer standard	90	Hand wheel, non-rising with rising stem	Bolted bonnet	Trim 12	ASTM A182 F316	ASTM A182 F316	13614997
ASTM A182 F316L	1" [25]	Class 800	Manufacturer standard	110	Hand wheel, non-rising with rising stem	Bolted bonnet	Trim 12	ASTM A182 F316	ASTM A182 F316	13614999
ASTM A182 F316L	1.1/2" [40]	Class 800	Manufacturer standard	127	Hand wheel, non-rising with rising stem	Bolted bonnet	Trim 12	ASTM A182 F316	ASTM A182 F316	13615000
ASTM A182 F316L	2" [50]	Class 800	Manufacturer standard	130	Hand wheel, non-rising with rising stem	Bolted bonnet	Trim 12	ASTM A182 F316	ASTM A182 F316	13615003

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