



LVF Gate valve Type: 1759 Steel Socket weld Class 800

Forged steel gate valve, OS&Y, with welded bonnet, bellows sealed and socket weld ends, Class 800

Characteristics

Type: 1759
Norm: ASME
Housing material: Steel
Surface protection: Phosphated
Connection: Socket weld
Standard welding connection: ASME B16.11
Full bore: No
Stem seal type: Bellows
Primary spindle seal material: Graphite
Bellows material: ASTM A182 F321
Material bonnet: ASTM A105N
Bonnet gasket material: Stainless steel 316 SW
 Graphite filled
Actuator material: Steel
Minimum medium temperature (continuous): -29 °C
Maximum medium temperature (continuous): 426 °C
Maximum pressure difference at 20 °C: 136 bar
Approvals: API 624

Application

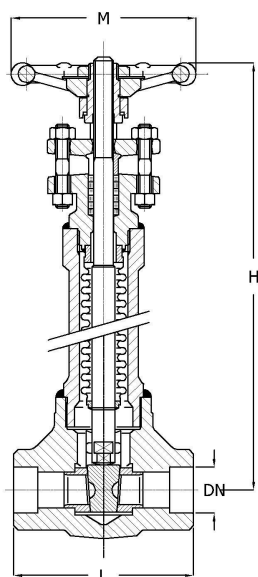
- Refineries and [petro-] chemical procesinstallations.
- Oil & gas industry.
- Steam and thermal oil.
- Neutral liquids and gases.
- Recommended in: Chemical, Petrochemical and Refining

Technical Information

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

Options

- Available with bolted bonnet and not bellows sealed; type 1755.
- Available in Class 1500.
- Available in other materials.
- Available for cryogenic or high temperature applications.
- Equipped with an electric, pneumatic or hydraulic actuator.



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

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Pressure and temperature table													
-29/38	50	100	150	200	250	300	350	400	425	450	500	538	[°C]
136.2	133.7	124.3	120.2	116.8	106.2	103.2	100.2	92.6	76.7	61.3	31.4	15.7	[bar]
ASTM A105N is not recommended for long-term use above 425 °C.													
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 mm	Operation	Type of bonnet	Sealing	Wedge material	Spindle material	Article
ASTM A105N	1/2" [15]	Class 800	Manufacturer standard	80	Hand wheel, non-rising with rising stem	Welded bonnet	Trim 5	ASTM A479 410	ASTM A479 410	13614912
ASTM A105N	3/4" [20]	Class 800	Manufacturer standard	90	Hand wheel, non-rising with rising stem	Welded bonnet	Trim 5	ASTM A479 410	ASTM A479 410	13614923
ASTM A105N	1" [25]	Class 800	Manufacturer standard	110	Hand wheel, non-rising with rising stem	Welded bonnet	Trim 5	ASTM A479 410	ASTM A479 410	13614924
ASTM A105N	1.1/2" [40]	Class 800	Manufacturer standard	127	Hand wheel, non-rising with rising stem	Welded bonnet	Trim 5	ASTM A479 410	ASTM A479 410	13614925
ASTM A105N	2" [50]	Class 800	Manufacturer standard	130	Hand wheel, non-rising with rising stem	Welded bonnet	Trim 5	ASTM A479 410	ASTM A479 410	13615013

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