



LVF Gate valve Type: 1750 Steel Internal thread (NPT) Class 800

Forged steel gate valve, OS&Y, with bolted bonnet and NPT thread ends, Class 800

Characteristics

Type: 1750
Norm: ASME
Housing material: Steel
Surface protection: Phosphated
Connection: Internal thread (NPT)
Standard thread connection: ASME B1.20.1
Full bore: No
Stem seal type: Gland seal
Primary spindle seal material: Graphite
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 process installations.
- Oil & gas industry.
- Steam and oil (for thermal oil: bellows sealed valve).
- Neutral liquids and gases.
- Recommended in: Chemical, Petrochemical and Refining

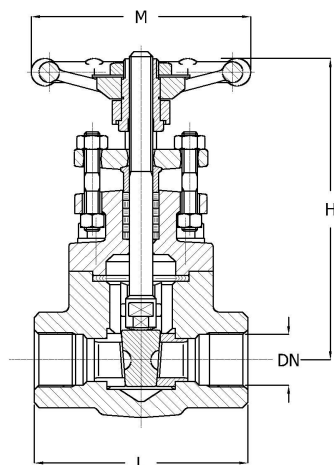
Technical Information

- Design: API 602, ASME B16.34.
- Testing: API 598.
- Emission standard: API 624.
- NACE MR01-75, MR01-03.

Options

- Available in stainless steel; type 1764.
- Available with socket weld connections; type 1755.
- Available with welded bonnet; type 1753.
- 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

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	Operation	Type of bonnet	Sealing	Wedge material	Spindle material	Article
mm										
ASTM A105N	1/2" [15]	Class 800	Manufacturer standard	80	Hand wheel, non-rising with rising stem	Bolted bonnet	Trim 8	ASTM A479 410	ASTM A479 410	13614894
ASTM A105N	3/4" [20]	Class 800	Manufacturer standard	90	Hand wheel, non-rising with rising stem	Bolted bonnet	Trim 8	ASTM A479 410	ASTM A479 410	13614897
ASTM A105N	1" [25]	Class 800	Manufacturer standard	110	Hand wheel, non-rising with rising stem	Bolted bonnet	Trim 8	ASTM A479 410	ASTM A479 410	13614898
ASTM A105N	1.1/2" [40]	Class 800	Manufacturer standard	127	Hand wheel, non-rising with rising stem	Bolted bonnet	Trim 8	ASTM A479 410	ASTM A479 410	13614899
ASTM A105N	2" [50]	Class 800	Manufacturer standard	130	Hand wheel, non-rising with rising stem	Bolted bonnet	Trim 8	ASTM A479 410	ASTM A479 410	13614900

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.