



PK Gate valve Type: 1871 Stainless steel Flange Class 300

Cast stainless steel gate valve, OS&Y, with bolted bonnet and flanged ends, Class 300.

Characteristics

Type: 1871

Norm: ASME

Housing material: Stainless steel

Connection: Flange

Type of bonnet: Bolted bonnet

Stem seal type: Gland seal

Wedge material: ASTM A351 CF8M

Spindle material: ASTM A479 316

Material bonnet: ASTM A351 CF8M

Actuator material: Malleable cast iron

Minimum medium temperature (continuous): -50 °C

Maximum pressure difference at 20 °C: 50 bar

Application

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

Technical Information

- Design: API 603, ASME B16.34 ["light wall"].
- Testing: API598.
- Emission standard: ISO 15848 class B.

Options

- Available in Class 150 type 1851.
- Available in API 600 design ["heavy wall"].
- Available in other materials.
- Available with butt weld ends.
- Available for cryogenic or high temperature applications.
- Equipped with an electric, pneumatic or hydraulic actuator.

DN ["]	L mm	H open mm	M mm	Weight [kg]
1/2"	140	153	100	3
3/4"	152	153	100	3,5
1"	165	185	120	5,5
1 1/2"	191	381	200	16
2	216	405	200	22
3	283	500	224	41
4	305	592	250	59
6	403	816	355	118
8	419	1042	400	190
10	457	1227	450	274
12	502	1442	500	398

-29/38 °C	100 °C	150 °C	200 °C	250 °C	300 °C	350 °C	375 °C	400 °C	425 °C	450 °C	475 °C	500 °C
bar	bar	bar	bar	bar	bar	bar	bar	bar	bar	bar	bar	bar
49.6	42.2	38.5	35.7	33.4	31.6	30.3	29.9	29.4	29.1	28.8	28.7	28.2

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-29/38 °C	100 °C	150 °C	200 °C	250 °C	300 °C	350 °C	375 °C	400 °C	425 °C	450 °C	475 °C	500 °C
bar	bar	bar	bar	bar	bar	bar	bar	bar	bar	bar	bar	bar

Check the values above and any additional remarks against ASME B16.34 (latest edition)

Material quality	Nominal inner diameter	Pressure rating	Face to Face norm	Face to Face length	Operation	Sealing	Primary spindle seal material	Bonnet gasket material	Maximum medium temperature (continuous)	Article
				mm					°C	
ASTM A351 CF8M	1/2" [15]	Class 300	ASME B16.10, T2, Serie 10	140	Hand wheel, non-rising with rising stem	Trim 12	Graphite	Stainless steel 316 SW Graphite filled	500	13469672
ASTM A351 CF8M	3/4" [20]	Class 300	ASME B16.10, T2, Serie 10	152	Hand wheel, non-rising with rising stem	Trim 12	Graphite	Stainless steel 316 SW Graphite filled	500	13469673
ASTM A351 CF8M	1.1/2" [40]	Class 300	ASME B16.10, T2, Serie 10	191	Hand wheel, non-rising with rising stem	Trim 10	PTFE	Stainless steel 316 SW PTFE filled	200	12726109
ASTM A351 CF8M	3" [80]	Class 300	ASME B16.10, T2, Serie 10	282	Hand wheel, non-rising with rising stem	Trim 12	PTFE	Stainless steel 316 SW PTFE filled	200	12588751
ASTM A351 CF8M	8" [200]	Class 300	ASME B16.10, T2, Serie 10	419	Hand wheel, non-rising with rising stem	Trim 12	Graphite	Stainless steel 316 SW Graphite filled	500	13469671

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