

PK Check valve Type: 1817 Stainless steel Flange Class 300

Cast stainless steel check valve, swing type, with bolted cover and flanged ends, Class 300.

Characteristics

Type: 1817

Norm: ASME

Construction type: Straight

Housing material: Stainless steel

Material quality: ASTM A351 CF8M

Connection: Flange

Flange finish: Raised face

Face to Face norm: ASME B16.10, T2, Serie 17

Minimum medium temperature (continuous): -50 °C

Maximum medium temperature (continuous): 500 °C

Maximum pressure difference at 20 °C: 50 bar

Application

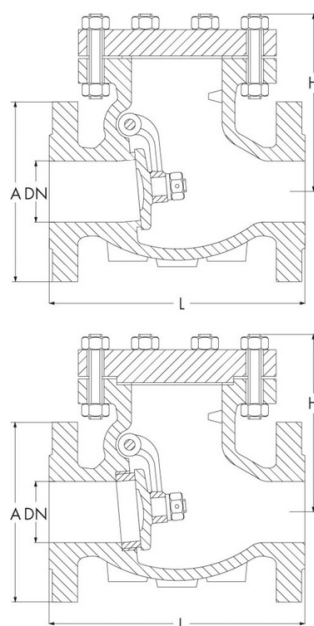
- Refineries and (petro-) chemical process installations.
- Oil & gas industry.
- Tank storage.
- Corrosive liquids and gases.
- Recommended in: Chemical, Petrochemical and Refining

Technical Information

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

Options

- Available in Class 150; type 1816.
- Available in BS 1868 design ["heavy wall"].
- Available in other materials.
- Available with butt weld ends.
- Available for cryogenic or high temperature applications.



DN ["]	A mm	L mm	H mm	Weight [kg]
1/2	95.2	152.4	93	10
3/4	117.5	177.8	96	10
1	123.8	215.9	112	10
1.1/2	155.6	241.3	126	14
2	165.1	266.7	152	19
3	209.6	317.5	176	33
4	254	355.6	186	53
6	317.5	444.5	262	109
8	381	533.4	312	199
10	444.5	622.3	355	231
12	520.7	711.2	393	308

-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)												
PTFE is limited in use above 200°C												

Nominal inner diameter	Pressure rating	Face to Face length mm	Valve shape	Sealing	Material disc	Material cover	Material cover gasket	Material shaft	Material jointed arm	Article
1/2" [15]	Class 300	152	Swing type	Trim 12	ASTM A351 CF8M	ASTM A351 CF8M	Stainless steel 316 SW Graphite filled	ASTM A479 316	ASTM A351 CF8M	13469798
3/4" [20]	Class 300	178	Swing type	Trim 12	ASTM A351 CF8M	ASTM A351 CF8M	Stainless steel 316 SW Graphite filled	ASTM A479 316	ASTM A351 CF8M	13469799

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