

PK Check valve Type: 1816 Stainless steel Flange Class 150

Cast stainless steel check valve, swing type, with bolted cover and flanged ends, Class 150.

Characteristics

Type: 1816

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, T1, Serie 15

Minimum medium temperature (continuous): -50 °C

Maximum medium temperature (continuous): 500 °C

Maximum pressure difference at 20 °C: 20 bar

Application

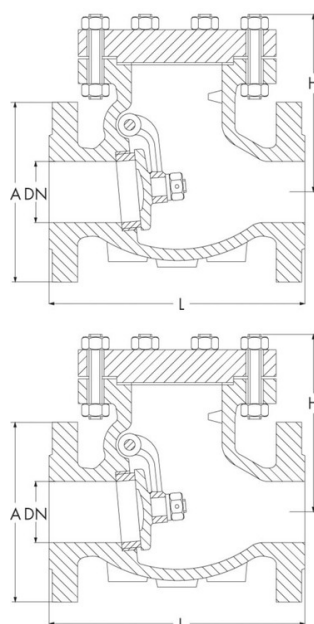
- Refineries and (petro-) chemical procesinstallations.
- Oil & gas industry.
- Tankstorage.
- Corrosive liquids and gases.
- Recommended in: Chemical, Petrochemical and Refining

Technical Information

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

Options

- Available in Class 300; type1817.
- 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	88,9	108	85	5
3/4	98,4	117,3	89	5
1	108	127	102	5
1.1/2	127	165	120	11
2	152	203	138	13
3	191	241	160	22
4	229	292	201	36
6	279	356	248	62
8	343	495	293	119
10	406	622	330	155
12	483	699	354	235

-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
19	16,2	14,8	13,7	12,1	10,2	8,4	7,4	6,5	5,5	4,6	3,7	2,8

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Non-return Valves | Non-return Valves with Flange Connection

-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 150	108	Swing type	Trim 12	ASTM A351 CF8M	ASTM A351 CF8M	Stainless steel 316 SW Graphite filled	ASTM A276 316	ASTM A351 CF8M	13469771
3/4" [20]	Class 150	117	Swing type	Trim 12	ASTM A351 CF8M	ASTM A351 CF8M	Stainless steel 316 SW Graphite filled	ASTM A276 316	ASTM A351 CF8M	13469772
2.1/2" [65]	Class 150	216	Swing type	Trim 12	ASTM A351 CF8M	ASTM A351 CF8M	Stainless steel 316 SW Graphite filled	ASTM A276 316	ASTM A351 CF8M	13469774

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