

YVI (YDF) Check valve Type: 1811 Steel Flange Class 300

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



Characteristics

Type: 1811

Norm: ASME

Construction type: Straight

Housing material: Steel

Material quality: ASTM A216 WCB

Surface protection: Standard manufacturers coating

Connection: Flange

Flange finish: Raised face

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

Minimum medium temperature (continuous): -20 °C

Maximum medium temperature (continuous): 426 °C

Maximum pressure difference at 20 °C: 50 bar

Technical Information

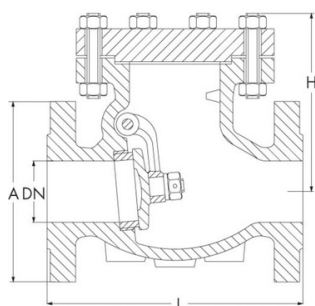
- Design: BS 1868, ASME B16.34.
- Testing: API598.
- Emission standard: TA Luft, ISO 15848 class B.

Options

- Available in Class 150; type 1810.
- Available in higher pressure classes, also in pressure seal design.
- Available in other materials.
- Available with butt weld ends or RTJ flanges.
- Available for cryogenic or high temperature applications.

Application

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



DN ["]	A mm	L mm	H mm	Weight [kg]
2	165	267	145	23
3	210	318	170	37
4	254	356	210	60
6	318	445	260	115
8	381	533	305	180
10	445	622	430	265
12	521	711	500	390

-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	538 °C	
51,1	46,6	45,1	43,8	41,9	39,8	37,6	36,4	34,7	28,8	23	17,4	11,8	5,9	[bar]
ASTM A 105N is not recommended for prolonged use over 426°														

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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	538 °C
Check the data above to ASME B16.34 [latest revision]													

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
2" [50]	Class 300	267	Swing type	Trim 8	ASTM A216 WCB	ASTM A216 WCB	Stainless steel 304 SW Graphite filled	ASTM A276 410	ASTM A216 WCB	12565683
3" [80]	Class 300	318	Swing type	Trim 8	ASTM A216 WCB	ASTM A216 WCB	Stainless steel 304 SW Graphite filled	ASTM A276 410	ASTM A216 WCB	12565684
4" [100]	Class 300	356	Swing type	Trim 8	ASTM A216 WCB	ASTM A216 WCB	Stainless steel 304 SW Graphite filled	ASTM A276 410	ASTM A216 WCB	12490331
6" [150]	Class 300	445	Swing type	Trim 8	ASTM A216 WCB	ASTM A216 WCB	Stainless steel 304 SW Graphite filled	ASTM A276 410	ASTM A216 WCB	12605694
8" [200]	Class 300	533	Swing type	Trim 8	ASTM A216 WCB	ASTM A216 WCB	Stainless steel 304 SW Graphite filled	ASTM A276 410	ASTM A216 WCB	12605695
10" [250]	Class 300	622	Swing type	Trim 8	ASTM A216 WCB	ASTM A216 WCB	Stainless steel 304 SW Graphite filled	ASTM A276 410	ASTM A216 WCB	12605696
12" [300]	Class 300	711	Swing type	Trim 8	ASTM A216 WCB	ASTM A216 WCB	Stainless steel 304 SW Graphite filled	ASTM A276 410	ASTM A216 WCB	12605697

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