

YVI (YDF) Check valve Type: 1810 Steel Flange Class 150

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



Characteristics

Type: 1810

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, T1, Serie 15

Material jointed arm: ASTM A216 WCB

Minimum medium temperature (continuous): -20 °C

Maximum medium temperature (continuous): 426 °C

Technical Information

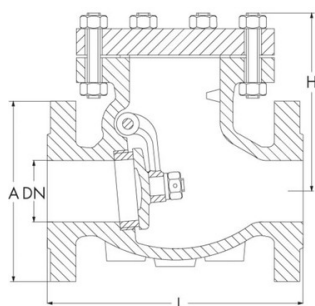
- Design: BS 1868, ASME B16.34.
- Testing: API598.
- Emission standard: TA Luft, ISO 15848 class B.

Options

- Available in Class 300; type 1811.
- 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	152	203	135	17
3	191	241	150	28
4	229	292	190	41
6	279	356	220	66
8	343	495	260	110
10	406	622	295	170
12	483	699	380	275

-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
[bar]	[bar]	[bar]	[bar]	[bar]	[bar]	[bar]	[bar]	[bar]	[bar]	[bar]	[bar]	[bar]	[bar]
18,6	17,7	15,8	13,8	12,1	10,2	8,4	7,4	6,5	5,5	4,6	3,7	2,4	1,4

ASTM A216 WCB not recommended for prolonged use over 426°C

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

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[bar]	[bar]	[bar]	[bar]	[bar]	[bar]	[bar]	[bar]	[bar]	[bar]	[bar]	[bar]	[bar]	[bar]
Check the data above to ASME B16.34 [latest edition]													

Nominal inner diameter	Pressure rating	Face to Face length mm	Valve shape	Sealing	Material disc	Material cover	Material cover gasket	Material shaft	Maximum pressure difference at 20 °C bar	Article
2" [50]	Class 150	203	Swing type	Trim 8	ASTM A216 WCB	ASTM A216 WCB	Stainless steel 304 SW Graphite filled	ASTM A276 410	20	12250974
3" [80]	Class 150	241	Swing type	Trim 8	ASTM A216 WCB	ASTM A216 WCB	Stainless steel 304 SW Graphite filled	ASTM A276 410	20	12142461
4" [100]	Class 150	292	Swing type	Trim 8	ASTM A216 WCB	ASTM A216 WCB	Stainless steel 304 SW Graphite filled	ASTM A276 410	20	12573776
6" [150]	Class 150	356	Swing type	Trim 8	ASTM A216 WCB	ASTM A216 WCB	Stainless steel 304 SW Graphite filled	ASTM A276 410	20	12565837
8" [200]	Class 150	495	Swing type	Trim 8	ASTM A216 WCB	ASTM A216 WCB	Stainless steel 304 SW Graphite filled	ASTM A276 410	20	12605692
10" [250]	Class 150	622	Swing type	Trim 8	ASTM A216 WCB	ASTM A216 WCB	Stainless steel 304 SW Graphite filled	ASTM A276 410	20	12565685
12" [300]	Class 150	699	Swing type	Trim 8	ASTM A216 WCB	ASTM A216 WCB	Stainless steel 304 SW Graphite filled	ASTM A276 410	20	12605693
16" [400]	Class 150	864	Swing type	Trim 8	ASTM A216 WCB	ASTM A216 WCB	Stainless steel 304 SW Graphite filled	ASTM A276 410		13503904

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