

YVI (YDF) Globe valve Type: 1820 Steel Flange Class 150

Cast steel globe valve, OS&Y, with bolted bonnet and flanged ends, Class 150

Characteristics

Type: 1820

Norm: ASME

Construction type: Straight

Housing material: Steel

Surface protection: Standard manufacturers coating

Connection: Flange

Flange finish: Raised face

Stem seal type: Gland seal

Spindle material: ASTM A182 F6A

Primary spindle seal material: Graphite

Material bonnet: ASTM A216 WCB

Bonnet gasket material: SWG 304/Graphite

Actuator material: Ductile cast iron

Minimum medium temperature (continuous): -20 °C

Maximum medium temperature (continuous): 426 °C

Maximum pressure difference at 20 °C: 20 bar

Application

- Refineries and [petro-] chemical procesinstallations.
- Oil & gas industry.
- Steam and oil [for thermal oil: bellows sealed valve].
- Neutral liquids and gases.
- Recommended in: Chemical, Petrochemical and Refining

Technical Information

- Design: BS 1873, ASME B16.34.
- Testing: API598.
- Emission standard: TA Luft, ISO 15848 class B.

Options

- Available in Class 300; type1821.
- 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.
- Equipped with an electric, pneumatic or hydraulic actuator.



DN ["]	L mm	H mm	M mm	Weight [kg]
2	203	375	200	25
3	241	420	250	40
4	292	510	300	60
6	406	575	350	100
8	495	795	450	200
10	622	738	500	253
12	699	862	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	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

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bar	bar	bar	bar	bar	bar	bar	bar	bar	bar	bar	bar	bar	bar
ASTM A 105N is not recommended for prolonged use over 426°													
Check the data above to ASME B16.34 [latest revision]													

Material quality	Nominal inner diameter	Pressure rating	Face to Face norm	Face to Face length mm	Operation	Type of disc	Type of bonnet	Sealing	Material disc	Article
ASTM A216 WCB	2" [50]	Class 150	ASME B16.10, T1, Serie 15	203	Hand wheel, rising with rising stem	Fixed disc	Bolted bonnet	Trim 8	ASTM A105N	12605689
ASTM A216 WCB	3" [80]	Class 150	ASME B16.10, T1, Serie 15	241	Hand wheel, rising with rising stem	Fixed disc	Bolted bonnet	Trim 8	ASTM A105N	12605690
ASTM A216 WCB	4" [100]	Class 150	ASME B16.10, T1, Serie 15	292	Hand wheel, rising with rising stem	Fixed disc	Bolted bonnet	Trim 8	ASTM A105N	12566625
ASTM A216 WCB	6" [150]	Class 150	ASME B16.10, T1, Serie 15	406	Hand wheel, rising with rising stem	Fixed disc	Bolted bonnet	Trim 8	ASTM A105N	12470167
ASTM A216 WCB	8" [200]	Class 150	ASME B16.10, T1, Serie 15	495	Hand wheel, rising with rising stem	Fixed disc	Bolted bonnet	Trim 8	ASTM A105N	13405574
ASTM A216 WCB	10" [250]	Class 150	ASME B16.10, T1, Serie 15	622	Hand wheel, rising with rising stem	Fixed disc	Bolted bonnet	Trim 8	ASTM A105N	13405575

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