

YVI (YDF) Globe valve Type: 1821 Steel Flange Class 300

Cast steel globe valve, OS&Y, with bolted bonnet and flanged ends, Class 300



Characteristics

Type: 1821

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: 50 bar

Application

- Refineries and [petro-] chemical process installations.
- 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 150; type 1820.
- 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.

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 300	ASME B16.10, T2, Serie 15	267	Hand wheel, rising with rising stem	Fixed disc	Bolted bonnet	Trim 8	ASTM A105N	12565686
ASTM A216 WCB	3" [80]	Class 300	ASME B16.10, T2, Serie 15	318	Hand wheel, rising with rising stem	Fixed disc	Bolted bonnet	Trim 8	ASTM A105N	12566626
ASTM A216 WCB	4" [100]	Class 300	ASME B16.10, T2, Serie 15	256	Hand wheel, rising with rising stem	Fixed disc	Bolted bonnet	Trim 8	ASTM A105N	12605691
ASTM A216 WCB	6" [150]	Class 300	ASME B16.10, T2, Serie 15	444	Hand wheel, rising with rising stem	Fixed disc	Bolted bonnet	Trim 8	ASTM A105N	12559572

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