

CRYOGENIC FIRESAFE STAINLESS STEEL GLOBE VALVE

DN150 – DN300 (6" – 12")

Bestobell Valves is a world leader in the design and manufacture of cryogenic valves, recognised globally for product quality and innovation. Our valves are used with numerous cryogenic liquefied gases including oxygen, carbon dioxide, nitrogen, liquid natural gas (LNG) and argon. Bestobell Valves manufactures for a wide range of applications and in a comprehensive range of materials.

Description

Stainless Steel extended stem globe valve for land based (non marine) applications with bolted bonnet, integral seat and renewable metal disc. Supplied as standard with butt weld ends and flanged ends, the valve is of metal to metal seat design which gives a tight shut off. The bolted bonnet allows easy maintenance, even in confined spaces.

All valves are degreased for oxygen duty, assembled in clean room conditions and pressure tested prior to dispatch.

Maximum Working Pressure

(Subject to End Connections)

Extended stem - 50 Bar (725 psi) at -196°C to +65°C
Body strength test - 1.5xMWP = 75 Bar (1090 psi)

Features and Benefits

- Fire tested and certified to EN ISO 10497:2004
- Unique Bestobell loose flange bolted bonnet design allows for thermal expansion and contraction and eliminates leakage at the bonnet gasket
- Precision investment cast body – smooth surface finish
- Designed and engineered specifically use with LNG, LPG and other flammable gas service
- Anti-blow out spindle and one-piece high strength for operator safety
- Long life, low torque spindle thread
- Screwed and welded high strength extension tube / bonnet joints
- Revolving disc ensures non-rotating seat contact for extended leak-free seat life
- Full bore
- Fast/easy maintenance of Graphite / Carbon components



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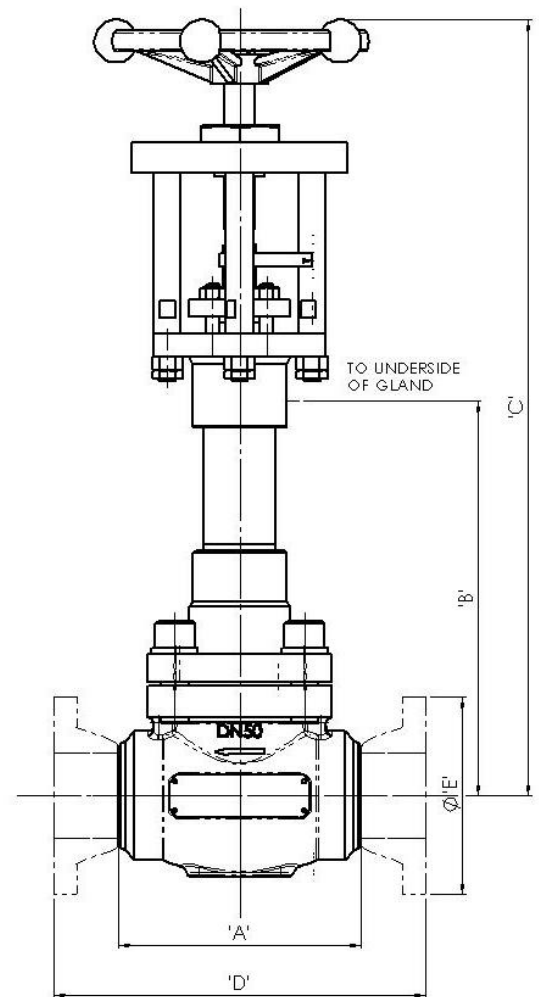
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Materials

Body	ASTM A351 CF8M
Cover	ASTM A351 CF8M
Loose Bonnet Flange	ASTM A351 CF8M
Disc	ASTM A351 CF8M
Stem	BSEN 10088-3 1.4401 (316 SS)
Gland Packing	Graphite / Carbon
Gasket	SS Reinforced Graphite
Fasteners	BS6105 A4 Gr.80 Stainless Steel
Yoke	ASTM A351 CF8M

Technical Data

- Manual operated, outside screw and yoke, Globe valves size ranges DN150, DN200, DN250 and DN300.
- Designed and engineered for use with small scale LNG systems and LNG satellite stations.
- Actuated valves are available on request.
- ISO 9001 accreditation – designed and manufactured to ASTM B31.3 and BSEN 1626.
- Optional full material traceability backed by BSEN 10204 3.1/3.2 certification.
- **CE** Marking according to Pressure Equipment Directive 97/23/EC



Specifications

Dimension	Part No	A (mm)	B (mm)	C (mm)	D (mm)	ØE	BW / SCHD	Cv (US gpm)	Weight (Kg)
DN150	CNLD0	N/A	600		400	279.4	N/A	400	125
DN200	CNLE0	N/A	650		495	342.9	N/A	715	200
DN250	CNLFO	<i>Please contact the sales team for specifications</i>							
DN300	CNLG0	<i>Please contact the sales team for specifications</i>							

All dimensions / weights are approximate

The information on this data sheet is accurate to the best of Bestobell's knowledge; however we reserve the right to alter the product specification at any time. For any specific updated detail, please contact us.