CRYOGENIC VALVES

CRYOGENIC GLOBE VALVE

Long Stem | Butt Weld

Long-stem cryogenic globe valve with a CF8 body and butt-weld ends for low-temperature shut-off or regulation.



Product illustration. End connections follow the selected configuration.

TECHNICAL SPECIFICATIONS

Specification	Catalogue data
Size range	DN65-DN100
Connection	Butt Weld
Nominal rating	PN20 / PN40
Design	Long stem
Operation	Manual handwheel
Source temperature*	-196°C to +80°C
Catalogue media	LNG, LOX, LN2, LAr, CO2

MATERIALS

Component	Catalogue material
Body	CF8
Disc	S30408

Catalogue options. Nominal ratings are not the allowable pressure at every temperature; confirm the selected configuration. *Documented family temperature range; confirm pressure-temperature limits and the selected trim.

DIMENSIONS & P/T

Dimension table and drawing on page 2; reference construction materials on page 3. DN65, DN80, DN100. Confirm the specified reference arrangement.

P/T rating: confirm allowable pressure versus temperature for the selected body, seat and seals. Nominal class and temperature range do not define a P/T curve.

CONFIGURATION & SERVICE REQUIREMENTS

Specify minimum and maximum design temperature, operating/design pressure and the required seat seal. Confirm the selected pressure-temperature limits.

Include pipe dimensions, weld-end details and installation clearance. Reference dimensions apply only to the illustrated configuration.

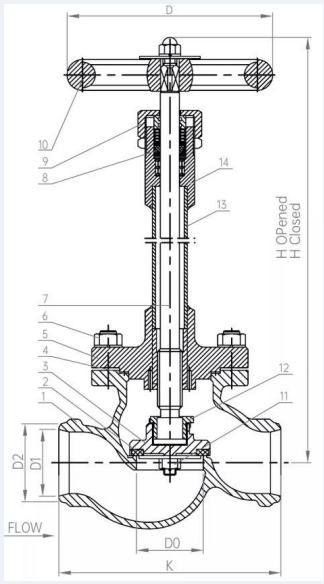
PRODUCT INFORMATION & QUOTATIONS

nordicvalves.com/products/globe-valves/cryogenic-globe-valve-long-stem-butt-weld

REFERENCE DRAWING & DIMENSIONS

Cryogenic Globe Valve - Long Stem - Butt Weld

PN40 long-stem butt-weld arrangement, DN65-DN100. The two DN100 rows have different weld-end diameters and lengths; select the required pipe variant. PN20 requires a separate drawing.



DIMENSIONS AND CONNECTION REFERENCE

Linear and diameter dimensions are in mm; weights are in kg. Pressure bands are in MPa (1 MPa = 10 bar). Height and length datums follow the drawing. Thread designations and ISO mounting codes are not linear dimensions.

DN	H open	H closed	L	D	D0	D1	D2	Weight (kg)
65	520	495	216	Ø200	Ø65	Ø70	Ø76	15.4
80	549	522	241	Ø250	Ø80	Ø81	Ø89	22.8
100	634	601	292	Ø315	Ø100	Ø100	Ø108	31.8
100	634	601	275	Ø315	Ø100	Ø106.3	Ø114.3	31.8

Drawing reference: PN40 butt-weld body

Use the approved order drawing for installation and fabrication. Reference dimensions do not establish the pressure-temperature rating of a different variant.

REFERENCE CONSTRUCTION & MATERIALS

Cryogenic Globe Valve - Long Stem - Butt Weld

PN40 long-stem butt-weld arrangement, DN65-DN100. The two DN100 rows have different weld-end diameters and lengths; select the required pipe variant. PN20 requires a separate drawing.

Component	Source arrangement material
Body	CF8
Hexagon Screw	S30408
Hexagon Nut	S30408
Disc Sealing	PCTFE
Stem	S30408
Connecting Nut	S30408
Disc	S30408
V Ring	PTFE
Connecting Pipe	S30408
Gasket	RPTFE
Gland Nut	S30408
Gland Packings	S30408
Bonnet	S30408
Hand Wheel	HT200

Reference: PN40 butt-weld body

The materials above belong to the illustrated source arrangement. Catalogue options are shown on page 1. Confirm the ordered body, trim, seats and seals when a different material, pressure class or connection is selected.

Nominal pressure, temperature range and relief set pressure are separate specifications. Confirm allowable pressure at the actual design temperature and any required cleaning, testing and certification with the quotation.