CRYOGENIC VALVES

CRYOGENIC GLOBE VALVE

Short Stem | Butt Weld

Short-stem cryogenic globe valve with a CF8 body and butt-weld ends.



Product illustration. End connections follow the selected configuration.

TECHNICAL SPECIFICATIONS

Specification	Catalogue data
Size range	DN65-DN100
Connection	Butt Weld
Nominal rating	20 bar
Design	Short stem
Operation	Manual handwheel
Source temperature*	-40°C to +80°C
Catalogue media	NG, O2, N2, Ar, 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.

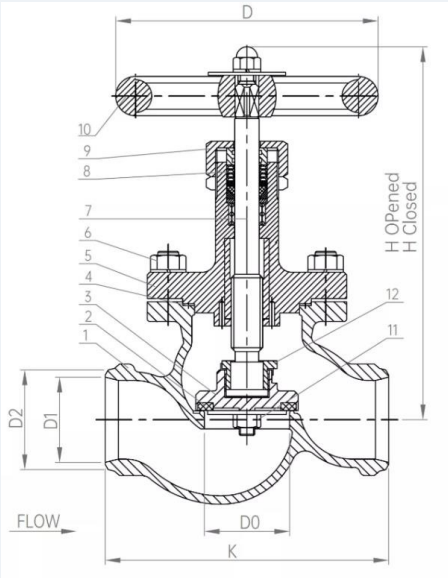
PRODUCT INFORMATION & QUOTATIONS

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

REFERENCE DRAWING & DIMENSIONS

Cryogenic Globe Valve - Short Stem - Butt Weld

PN20 short-stem butt-weld arrangement for gaseous media, DN65-DN100. The two DN100 rows have different weld ends and lengths. Source temperature range is -40°C to +80°C.



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	K	D	D0	D1	D2
65	275	250	216	Ø200	Ø65	Ø70	Ø76
80	316	288	241	Ø250	Ø80	Ø81	Ø89
100	346	313	292	Ø315	Ø100	Ø100	Ø108
100	346	313	275	Ø315	Ø100	Ø106.3	Ø114.3

Drawing reference: PN20 gaseous-service 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 - Short Stem - Butt Weld

PN20 short-stem butt-weld arrangement for gaseous media, DN65-DN100. The two DN100 rows have different weld ends and lengths. Source temperature range is -40°C to +80°C.

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

Reference: PN20 gaseous-service 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.