CRYOGENIC VALVES

CRYOGENIC GLOBE VALVE

Long Stem | Socket Weld

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



Product illustration. End connections follow the selected configuration.

TECHNICAL SPECIFICATIONS

Specification	Catalogue data
Size range	DN10-DN50
Connection	Socket Weld
Nominal rating	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. DN10, DN15, DN20, DN25, DN32, DN40, DN50. 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.

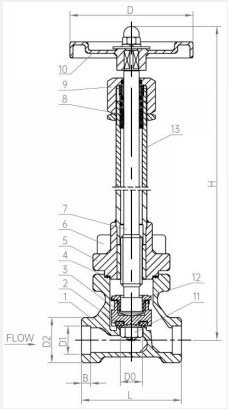
PRODUCT INFORMATION & QUOTATIONS

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

REFERENCE DRAWING & DIMENSIONS

Cryogenic Globe Valve - Long Stem - Socket Weld

PN40 long-stem socket-weld arrangement, DN10-DN50. Separate rows for each DN show alternative socket bores and, where stated, heights or weights. Select the socket bore to match the pipe.



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	B	Weight (kg)
10	210	204	60	Ø65	Ø13	Ø14.5	Ø24	6	0.9
10	221	215	60	Ø65	Ø15	Ø17.8	Ø24	6	1.0
15	253	244	65	Ø80	Ø15	Ø18.5	Ø29.5	6	1.1
15	257	248	65	Ø80	Ø15	Ø22.7	Ø29.5	6	1.0
20	257	246	80	Ø80	Ø20	Ø25.5	Ø36	8	1.5
20	263	254	80	Ø80	Ø20	Ø27.7	Ø36	8	1.5
25	288	274.5	90	Ø100	Ø25	Ø32.5	Ø43.5	8	2.1
25	295	282	90	Ø100	Ø25	Ø34.5	Ø43.5	8	2.1
32	298	283.5	105	Ø100	Ø32	Ø38.5	Ø53	8	2.8
32	305.5	291	105	Ø100	Ø32	Ø43.2	Ø53	8	2.8
40	365.5	348	120	Ø125	Ø40	Ø45.5	Ø62	8	4.0
40	373.5	356	120	Ø125	Ø40	Ø49	Ø62	8	3.9
50	374.5	353.5	140	Ø140	Ø50	Ø57.5	Ø72	10	5.2
50	384.5	361.5	140	Ø140	Ø50	Ø61.1	Ø72	10	5.2

Drawing reference: PN40 socket-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 - Socket Weld

PN40 long-stem socket-weld arrangement, DN10-DN50. Separate rows for each DN show alternative socket bores and, where stated, heights or weights. Select the socket bore to match the pipe.

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	Y102

Reference: PN40 socket-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.