CRYOGENIC VALVES

CRYOGENIC GLOBE VALVE

PN320 | Socket Weld

PN320 cryogenic globe valve with a CF8 body and socket-weld ends for low-temperature service.



Product illustration. End connections follow the selected configuration.

TECHNICAL SPECIFICATIONS

Specification	Catalogue data
Size range	DN10-DN25
Connection	Socket Weld
Nominal rating	PN320
Operation	Manual handwheel
Source temperature*	-196°C to +80°C
Catalogue media	LNG, LOX, LN2, LAr

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. DN15, DN20, DN25. 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.

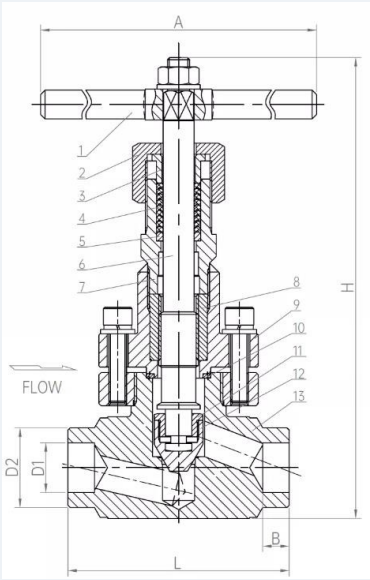
PRODUCT INFORMATION & QUOTATIONS

nordicvalves.com/products/globe-valves/cryogenic-globe-valve-pn320-socket-weld

REFERENCE DRAWING & DIMENSIONS

Cryogenic Globe Valve - PN320 - Socket Weld

PN320 supplied socket-weld arrangement, DN15-DN25. Two DN20 body variants are listed. DN10 is not tabulated. Source body material is S30408; the catalogue CF8 construction needs its own confirmed 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	A	L	B	D0	D1	D2
15	206.5	170	100	12	Ø15	Ø22.5	Ø36
20	206.5	170	100	12	Ø20	Ø26	Ø36
20	286	219	128	12.5	Ø20	Ø27.5	Ø46
25	286	219	128	12.5	Ø25	Ø32.5	Ø46

Drawing reference: PN320 supplied S30408 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 - PN320 - Socket Weld

PN320 supplied socket-weld arrangement, DN15-DN25. Two DN20 body variants are listed. DN10 is not tabulated. Source body material is S30408; the catalogue CF8 construction needs its own confirmed drawing.

Component	Source arrangement material
Hand Lever	S30408
Stem	S30408
Connecting Nut	S30408
Gland Nut	S30408
Connecting Pipe	S30408
Disc	S30408
Gland	S30408
Bushing	HPb59-1
Body	S30408
Gasket	PTFE
Bonnet	S30408
Washer	HPb59-1
Gasket	T2

Reference: PN320 supplied S30408 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.