

PRODUCT DATA

Cryogenic valves

Ball, globe, check, emergency shut-off and safety valves. Butterfly valves, gate valves and strainers.

23 NORDIC VALVES PRODUCTS

Individual sheets are grouped by valve type. Each sheet identifies the connection, Nordic catalogue size range, pressure designation and construction materials. Reference drawings are included where the documented variant can be distinguished.

READING THE PRODUCT DATA

Technical sheets use manufacturer family data alongside the Nordic catalogue. The family temperature range does not establish the pressure-temperature limit of every size, seal or actuator.

Sheets labelled Product Selection Data describe the published Nordic range. Request the detailed temperature limits, dimensions and test documentation for the selected configuration.

PN ratings, ASME pressure classes and safety-valve set pressures are separate specifications. Confirm the connection standard and required rating for the order.

REQUEST THE SELECTED CONFIGURATION

Send the valve reference, quantity, medium and phase, design pressure and temperature, connection details and required operation. For relief valves, add set pressure, required discharge capacity and back pressure.

www.nordicvalves.com/applications/cryogenic

PRODUCT INDEX

Reference	Product / connection	Page
NV-CRYO-146074	Ball Valve - Long Stem - Butt Weld	3
NV-CRYO-146043	Ball Valve - Long Stem - Flanged	4
NV-CRYO-146088	Ball Valve - Long Stem - Socket Weld	5
NV-CRYO-146038	Ball Valve - Long Stem - Threaded	6
NV-CRYO-146438	Butterfly Valve - Flanged Triple Eccentric *	7
NV-CRYO-146471	Butterfly Valve - Top-entry triple eccentric *	8
NV-CRYO-146491	Gate Valve - Flanged *	9
NV-CRYO-142571	Check Valve - PN320 - Socket Weld	10
NV-CRYO-142504	Lift Check Valve - Socket weld	11
NV-CRYO-142543	Swing Check Valve - Threaded *	12
NV-CRYO-142641	Angle Globe Valve - Long Stem - Socket Weld	13
NV-CRYO-142662	Emergency Shut-off Valve - Butt Weld	14
NV-CRYO-142687	Emergency Shut-off Valve - Socket Weld	15
NV-CRYO-142599	Globe Valve - Long Stem - Butt Weld	16
NV-CRYO-142707	Globe Valve - Long Stem - Socket Weld	17
NV-CRYO-142585	Globe Valve - PN320 - Socket Weld	19
NV-CRYO-142611	Globe Valve - Short Stem - Butt Weld	21
NV-CRYO-142718	Globe Valve - Short Stem - Socket Weld	22
NV-CRYO-142763	Safety Valve - Female Threaded	24
NV-CRYO-146350	Safety Valve - Flanged *	25
NV-CRYO-142729	Safety Valve - Male Threaded	26
NV-CRYO-142750	Safety Valve - PN320 - Male Threaded	27
NV-CRYO-142660	Strainer - Socket Weld *	28

*Product Selection Data: Nordic catalogue data. Matching manufacturer engineering data remains to be confirmed.

CRYOGENIC VALVES

CRYOGENIC BALL VALVE

Long Stem | Butt Weld

Long-stem cryogenic ball valve with a CF8 body and butt-weld ends for low-temperature isolation.



TECHNICAL DATA

Size range	DN10-DN50
Connection	Butt Weld
Nominal rating	PN40
Design	Long stem
Operation	double-acting pneumatic, electric actuator, hand lever, spring-return pneumatic
Family temperature*	-196°C to +80°C
Catalogue media	LNG, LOX, LN2, LAr, CO2

Product illustration. End connections follow the selected configuration.

MATERIALS

Body	CF8
Ball	CF8

*Documented family range. Pressure-temperature limits and the selected trim are confirmed with the quotation.

PRODUCT INFORMATION & QUOTATIONS

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

CONFIGURATION DETAILS

Specify the seat material and required manual, electric or pneumatic operation. For actuated valves, include supply voltage or air pressure, control signal and fail position.

Include pipe outside diameter, wall thickness and weld-end requirements. Butt-weld and socket-weld ends require different connection drawings.

CRYOGENIC VALVES

CRYOGENIC BALL VALVE

Long Stem | Flanged

Long-stem cryogenic ball valve with a CF8 body and flanged ends for low-temperature isolation.



Product illustration. End connections follow the selected configuration.

MATERIALS

Body	CF8
Ball	CF8

*Documented family range. Pressure-temperature limits and the selected trim are confirmed with the quotation.

PRODUCT INFORMATION & QUOTATIONS

[nordicvalves.com/products/ball-valves/cryogenic-ball-valve-long-stem-flanged](https://www.nordicvalves.com/products/ball-valves/cryogenic-ball-valve-long-stem-flanged)

TECHNICAL DATA

Size range	DN25-DN150
Connection	Flanged
Nominal rating	PN40
Design	Long stem
Operation	double-acting pneumatic, electric actuator, hand lever, spring-return pneumatic
Family temperature*	-196°C to +80°C
Catalogue media	LNG, LOX, LN2, LAr, CO2

CONFIGURATION DETAILS

Specify the seat material and required manual, electric or pneumatic operation. For actuated valves, include supply voltage or air pressure, control signal and fail position.

Specify flange standard, pressure class, facing and drilling. Obtain the selected size drawing before setting the pipework.

CRYOGENIC VALVES

CRYOGENIC BALL VALVE

Long Stem | Socket Weld

Long-stem cryogenic ball valve with a CF8 body and socket-weld ends for low-temperature isolation.



TECHNICAL DATA

Size range	DN10-DN50
Connection	Socket Weld
Nominal rating	PN40
Design	Long stem
Operation	double-acting pneumatic, electric actuator, hand lever, spring-return pneumatic
Family temperature*	-196°C to +80°C
Catalogue media	LNG, LOX, LN2, LAr, CO2

Product illustration. End connections follow the selected configuration.

MATERIALS

Body	CF8
Ball	CF8

*Documented family range. Pressure-temperature limits and the selected trim are confirmed with the quotation.

PRODUCT INFORMATION & QUOTATIONS

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

CONFIGURATION DETAILS

Specify the seat material and required manual, electric or pneumatic operation. For actuated valves, include supply voltage or air pressure, control signal and fail position.

Include pipe outside diameter, wall thickness and weld-end requirements. Butt-weld and socket-weld ends require different connection drawings.

CRYOGENIC VALVES

CRYOGENIC BALL VALVE

Long Stem | Threaded

Long-stem cryogenic ball valve with a CF8 body and BSP or NPT threaded ends for low-temperature isolation.



Product illustration. End connections follow the selected configuration.

TECHNICAL DATA

Size range	DN10-DN50
Connection	BSP / NPT
Nominal rating	PN40
Design	Long stem
Operation	double-acting pneumatic, electric actuator, hand lever, spring-return pneumatic
Family temperature*	-196°C to +80°C
Catalogue media	LNG, LOX, LN2, LAr, CO2

MATERIALS

Body	CF8
Ball	CF8

*Documented family range. Pressure-temperature limits and the selected trim are confirmed with the quotation.

PRODUCT INFORMATION & QUOTATIONS

[nordicvalves.com/products/ball-valves/cryogenic-ball-valve-long-stem-threaded](https://www.nordicvalves.com/products/ball-valves/cryogenic-ball-valve-long-stem-threaded)

CONFIGURATION DETAILS

Specify the seat material and required manual, electric or pneumatic operation. For actuated valves, include supply voltage or air pressure, control signal and fail position.

Specify BSP or NPT, thread size and end-to-end length. Socket-weld dimensions do not apply to the threaded version.

CRYOGENIC VALVES

CRYOGENIC BUTTERFLY VALVE

Flanged Triple Eccentric

Cryogenic triple-eccentric butterfly valve with flanged connections for low-temperature service.



Product illustration. End connections follow the selected configuration.

TECHNICAL DATA

Size range	DN50-DN900
Connection	Flanged
PN range	PN16-PN100
ASME class range	Class 150-Class 600
Design	Triple eccentric
Operation	double-acting pneumatic, electric actuator, gearbox, hand lever, spring-return pneumatic
Temperature	Confirm limits for the selected construction
Catalogue media	LNG, LOX, LN2, LAr, CO2

MATERIALS

Body	CF8
Disc	CF8

Nordic catalogue selection data. Detailed temperature limits, dimensions and test documentation are supplied for the selected configuration.

PRODUCT INFORMATION & QUOTATIONS

nordicvalves.com/products/butterfly-valves/cryogenic-butterfly-valve-flanged-triple-eccentric

CONFIGURATION DETAILS

Select one pressure system and connection standard. PN ratings and ASME classes are separate designations; the listed ranges are not interchangeable pressure limits.

Confirm seat/seal materials, minimum design temperature, operating torque and actuator size for the selected DN and pressure class.

CRYOGENIC VALVES

CRYOGENIC BUTTERFLY VALVE

Top-entry triple eccentric

Cryogenic top-entry triple-eccentric butterfly valve with welded connections for low-temperature service.



Product illustration. End connections follow the selected configuration.

MATERIALS

Body	CF8
Disc	CF8

Nordic catalogue selection data. Detailed temperature limits, dimensions and test documentation are supplied for the selected configuration.

PRODUCT INFORMATION & QUOTATIONS

nordicvalves.com/products/butterfly-valves/cryogenic-butterfly-valve-top-entry-triple-eccentric

TECHNICAL DATA

Size range	DN50-DN900
Connection	Weld
PN range	PN16-PN50
ASME class range	Class 150-Class 300
Design	Triple eccentric, Top-entry
Operation	double-acting pneumatic, electric actuator, gearbox, hand lever, spring-return pneumatic
Temperature	Confirm limits for the selected construction
Catalogue media	LNG, LOX, LN2, LAr, CO2

CONFIGURATION DETAILS

Select one pressure system and connection standard. PN ratings and ASME classes are separate designations; the listed ranges are not interchangeable pressure limits.

Confirm seat/seal materials, minimum design temperature, operating torque and actuator size for the selected DN and pressure class.

CRYOGENIC VALVES

CRYOGENIC GATE VALVE

Flanged

Flanged cryogenic gate valve with a CF8 body for full-open or full-closed isolation.



TECHNICAL DATA

Size range	DN50-DN300
Connection	Flanged
PN range	PN16-PN160
ASME class range	Class 150-Class 900
Operation	double-acting pneumatic, electric actuator, gearbox, hand lever, spring-return pneumatic
Temperature	Confirm limits for the selected construction
Catalogue media	LNG, LOX, LN2, LAr, CO2

Product illustration. End connections follow the selected configuration.

MATERIALS

Body	CF8
Disc	CF8

Nordic catalogue selection data. Detailed temperature limits, dimensions and test documentation are supplied for the selected configuration.

PRODUCT INFORMATION & QUOTATIONS

nordicvalves.com/products/gate-valves/cryogenic-gate-valve-flanged

CONFIGURATION DETAILS

Select one pressure system and connection standard. PN ratings and ASME classes are separate designations; the listed ranges are not interchangeable pressure limits.

Confirm seat/seal materials, minimum design temperature, operating torque and actuator size for the selected DN and pressure class.

CRYOGENIC VALVES

CRYOGENIC CHECK VALVE

PN320 | Socket Weld

PN320 cryogenic check valve with a CF8 body and socket-weld ends for automatic non-return service.



TECHNICAL DATA

Size range	DN65-DN100
Connection	Socket Weld
Nominal rating	PN320
Operation	Automatic non-return
Family temperature*	-196°C to +80°C
Catalogue media	LNG, LOX, LN2, LAr

Product illustration. End connections follow the selected configuration.

MATERIALS

Body	CF8
Disc	S30408

*Documented family range. Pressure-temperature limits and the selected trim are confirmed with the quotation.

CONFIGURATION DETAILS

Include the normal flow, differential pressure and installation orientation. Confirm opening/cracking pressure and the permitted flow direction for the selected valve.

The documented high-pressure family table covers DN10-DN50. The Nordic DN65-DN100 configuration and its dimensions require separate confirmation.

PRODUCT INFORMATION & QUOTATIONS

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

CRYOGENIC VALVES

CRYOGENIC LIFT CHECK VALVE

Socket weld

Cryogenic lift check valve with a CF8 body and socket-weld ends for low-temperature non-return service.



TECHNICAL DATA

Size range	DN65-DN100
Connection	Socket Weld
Nominal rating	PN40
Operation	Automatic non-return
Family temperature*	-196°C to +80°C
Catalogue media	LNG, LOX, LN2, LAr

Product illustration. End connections follow the selected configuration.

MATERIALS

Body	CF8
Disc	S30408

*Documented family range. Pressure-temperature limits and the selected trim are confirmed with the quotation.

PRODUCT INFORMATION & QUOTATIONS

nordicvalves.com/products/check-valves/cryogenic-lift-check-valve-socket-weld

CONFIGURATION DETAILS

Include the normal flow, differential pressure and installation orientation. Confirm opening/cracking pressure and the permitted flow direction for the selected valve.

Obtain the connection drawing and trim details for the selected size. Welded and threaded valve drawings cannot be substituted for each other.

CRYOGENIC VALVES

CRYOGENIC SWING CHECK VALVE

Threaded

Cryogenic swing check valve with a CF8 body and BSP or NPT threaded ends.



TECHNICAL DATA

Size range	3/8"-2"
Connection	BSP / NPT
Nominal rating	PN40
Operation	Automatic non-return
Temperature	Confirm limits for the selected construction
Catalogue media	LNG, LOX, LN2, LAr

Product illustration. End connections follow the selected configuration.

MATERIALS

Body	CF8
Disc	S30408

Nordic catalogue selection data. Detailed temperature limits, dimensions and test documentation are supplied for the selected configuration.

PRODUCT INFORMATION & QUOTATIONS

nordicvalves.com/products/check-valves/cryogenic-swing-check-valve-threaded

CONFIGURATION DETAILS

Include the normal flow, differential pressure and installation orientation. Confirm opening/cracking pressure and the permitted flow direction for the selected valve.

Obtain the connection drawing and trim details for the selected size. Welded and threaded valve drawings cannot be substituted for each other.

CRYOGENIC VALVES

CRYOGENIC ANGLE GLOBE VALVE

Long Stem | Socket Weld

Long-stem cryogenic angle globe valve with a CF8 body and socket-weld ends.



Product illustration. End connections follow the selected configuration.

TECHNICAL DATA

Size range	DN32-DN50
Connection	Socket Weld
Nominal rating	PN40
Design	Long stem
Operation	Manual handwheel
Family temperature*	-196°C to +80°C
Catalogue media	LNG, LOX, LN2, LAr, CO2

MATERIALS

Body	CF8
Disc	S30408

*Documented family range. Pressure-temperature limits and the selected trim are confirmed with the quotation.

CONFIGURATION DETAILS

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-angle-globe-valve-long-stem-socket-weld

CRYOGENIC VALVES

CRYOGENIC EMERGENCY SHUT-OFF VALVE

Butt Weld

Cryogenic emergency shut-off valve with butt-weld connections for low-temperature process pipework.



Product illustration. End connections follow the selected configuration.

TECHNICAL DATA

Size range	DN65-DN100
Connection	Butt Weld
Nominal rating	PN16
Operation	Pneumatic actuator with handwheel
Family temperature*	-196°C to +80°C
Catalogue media	LNG, LOX, LN2, LAr

MATERIALS

Body	CF8
Disc	S30408

*Documented family range. Pressure-temperature limits and the selected trim are confirmed with the quotation.

PRODUCT INFORMATION & QUOTATIONS

[nordicvalves.com/products/globe-valves/cryogenic-emergency-shut-off-valve-butt-weld](https://www.nordicvalves.com/products/globe-valves/cryogenic-emergency-shut-off-valve-butt-weld)

CONFIGURATION DETAILS

Specify pilot-air pressure, control signal, closure time, fail position and the required emergency shutdown interface.

Confirm the selected pressure class, weld ends and actuator arrangement. Installation dimensions are supplied for that configuration.

CRYOGENIC VALVES

CRYOGENIC EMERGENCY SHUT-OFF VALVE

Socket Weld

Cryogenic emergency shut-off valve with socket-weld connections for low-temperature process pipework.



Product illustration. End connections follow the selected configuration.

TECHNICAL DATA

Size range	DN10-DN50
Connection	Socket Weld
Nominal rating	PN16 / PN40
Operation	Pneumatic actuator with handwheel
Family temperature*	-196°C to +80°C
Catalogue media	LNG, LOX, LN2, LAr, CO2

MATERIALS

Body	CF8
Disc	S30408

*Documented family range. Pressure-temperature limits and the selected trim are confirmed with the quotation.

PRODUCT INFORMATION & QUOTATIONS

nordicvalves.com/products/globe-valves/cryogenic-emergency-shut-off-valve-socket-weld

CONFIGURATION DETAILS

Specify pilot-air pressure, control signal, closure time, fail position and the required emergency shutdown interface.

Confirm the selected pressure class, weld ends and actuator arrangement. Installation dimensions are supplied for that configuration.

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 DATA

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

MATERIALS

Body	CF8
Disc	S30408

*Documented family range. Pressure-temperature limits and the selected trim are confirmed with the quotation.

PRODUCT INFORMATION & QUOTATIONS

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

CONFIGURATION DETAILS

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.

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 DATA

Size range	DN10-DN50
Connection	Socket Weld
Nominal rating	PN40
Design	Long stem
Operation	Manual handwheel
Family temperature*	-196°C to +80°C
Catalogue media	LNG, LOX, LN2, LAr, CO2

MATERIALS

Body	CF8
Disc	S30408

*Documented family range. Pressure-temperature limits and the selected trim are confirmed with the quotation.

CONFIGURATION DETAILS

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.

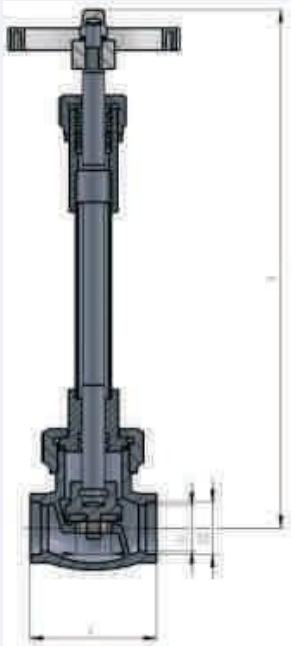
PRODUCT INFORMATION & QUOTATIONS

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

REFERENCE DRAWING & DIMENSIONS

Cryogenic Globe Valve - Long Stem - Socket Weld

Reference arrangement: PN40, Type C, socket-weld ends, DN10-DN40. The published table does not include DN50. Dimensions for other connections or body designs are supplied with the quotation.



PN40 SOCKET-WELD REFERENCE DIMENSIONS

All dimensions in mm. H open / H closed are the overall heights at each valve position.

DN	D0	D1	D2	H open	H closed	L	b
10	13	12	15	254	245	61	6
15	13	15	19	255	246	61	6
20	20	23	26	301	289	81	6
25	20	26	33	301	289	81	6
32	34	35	39	356	341	102	9
40	34	42	46	356	341	102	9

Drawing reference: DJ61F-40P / Type C

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

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 DATA

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

MATERIALS

Body	CF8
Disc	S30408

*Documented family range. Pressure-temperature limits and the selected trim are confirmed with the quotation.

CONFIGURATION DETAILS

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.

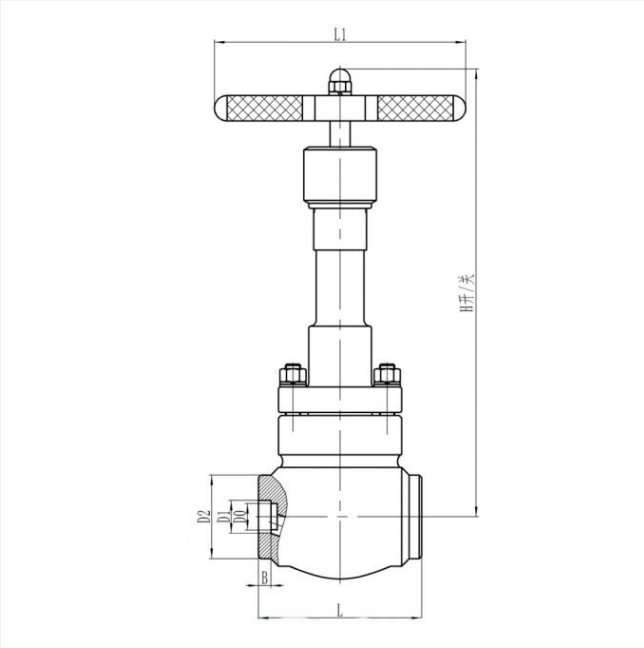
PRODUCT INFORMATION & QUOTATIONS

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

REFERENCE DRAWING & DIMENSIONS

Cryogenic Globe Valve - PN320 - Socket Weld

Reference arrangement: high-pressure C325DJ body, socket-weld ends, DN10-DN25. Confirm the PN320 configuration against the order drawing. The different body shown in the 2025 catalogue has different dimensions.



HIGH-PRESSURE SOCKET-WELD REFERENCE DIMENSIONS

All dimensions in mm. H open / H closed are the overall heights at each valve position.

DN	H open	H closed	L	B	D0	D1	D2	L1
10	255	245	114	10	13	18	42	75
15	255	245	114	10	17	22	42	75
20	302	289	130	10	21	26	66	100
25	302	289	130	10	28	33	66	100

Drawing reference: C325DJ10 / C325DJ15 / C325DJ20 / C325DJ25

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

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.

MATERIALS

Body	CF8
Disc	S30408

TECHNICAL DATA

Size range	DN65-DN100
Connection	Butt Weld
Nominal rating	20 bar
Design	Short stem
Operation	Manual handwheel
Temperature	Confirm limits for the selected construction
Catalogue media	NG, O2, N2, Ar, CO2

CONFIGURATION DETAILS

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

CRYOGENIC VALVES

CRYOGENIC GLOBE VALVE

Short Stem | Socket Weld

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



TECHNICAL DATA

Size range	DN10-DN50
Connection	Socket Weld
Nominal rating	PN40
Design	Short stem
Operation	Manual handwheel
Family temperature*	-196°C to +80°C
Catalogue media	LNG, LOX, LN2, LAr, CO2

Product illustration. End connections follow the selected configuration.

MATERIALS

Body	CF8
Disc	S30408

*Documented family range. Pressure-temperature limits and the selected trim are confirmed with the quotation.

PRODUCT INFORMATION & QUOTATIONS

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

CONFIGURATION DETAILS

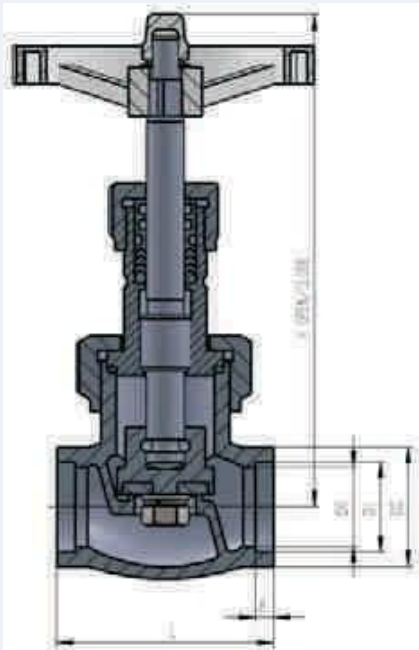
Specify minimum and maximum design temperature, operating/design pressure and the required seat seal. Confirm the selected pressure-temperature limits.

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

REFERENCE DRAWING & DIMENSIONS

Cryogenic Globe Valve - Short Stem - Socket Weld

Reference arrangement: PN40, Type C, socket-weld ends, DN10-DN25. Dimensions for DN32, DN40 and DN50 require a separate approved drawing. Do not use these dimensions for butt-weld or flanged ends.



PN40 SOCKET-WELD REFERENCE DIMENSIONS

All dimensions in mm. H open / H closed are the overall heights at each valve position.

DN	D0	D1	D2	H open	H closed	L	B
10	12	15	22	127	116	61	6
15	15	19	26	127	116	61	6
20	23	26	34	156	143	81	6
25	26	33	39	156	143	81	6

Drawing reference: DJ61F-40P / Type C

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

CRYOGENIC VALVES

CRYOGENIC SAFETY VALVE

Female Threaded

Cryogenic safety valve with a CF8 body and female BSP or NPT connections for pressure-relief duties.



Product illustration. End connections follow the selected configuration.

TECHNICAL DATA

Size range	DN15-DN25
Connection	Female threaded, BSP / NPT
Pressure / setting	Specify rating and required set pressure
Operation	Spring-loaded pressure relief
Temperature	Confirm limits for the selected construction
Catalogue media	LNG, LOX, LN2, LAr, CO2

MATERIALS

Body	CF8
Seat	HPb59-1
Disc	HPb59-1

CONFIGURATION DETAILS

Specify required set pressure, fluid and phase, relieving temperature, required capacity and allowable back pressure. Nominal rating is not the set pressure.

Confirm the selected inlet/outlet connections, trim materials and certified discharge capacity. Connection size alone does not establish the relief capacity.

PRODUCT INFORMATION & QUOTATIONS

nordicvalves.com/products/safety-valves/cryogenic-safety-valve-female-threaded

CRYOGENIC VALVES

CRYOGENIC SAFETY VALVE

Flanged

Cryogenic safety valve with a CF8 body and flanged connection options for pressure-relief duties.



Product illustration. End connections follow the selected configuration.

TECHNICAL DATA

Size range	DN40 - DN150
Connection	Flanged CL150 / Flanged PN40
Pressure / setting	Specify rating and required set pressure
Operation	Spring-loaded pressure relief
Temperature	Confirm limits for the selected construction
Catalogue media	LNG, LOX, LN2, LAr, CO2

MATERIALS

Body	CF8
------	-----

Nordic catalogue selection data. Detailed temperature limits, dimensions and test documentation are supplied for the selected configuration.

CONFIGURATION DETAILS

Specify required set pressure, fluid and phase, relieving temperature, required capacity and allowable back pressure. Nominal rating is not the set pressure.

Confirm the selected inlet/outlet connections, trim materials and certified discharge capacity. Connection size alone does not establish the relief capacity.

PRODUCT INFORMATION & QUOTATIONS

nordicvalves.com/products/safety-valves/cryogenic-safety-valve-flanged

CRYOGENIC VALVES

CRYOGENIC SAFETY VALVE

Male Threaded

Cryogenic safety valve with a CF8 body and male BSP or NPT connections for pressure-relief duties.



Product illustration. End connections follow the selected configuration.

TECHNICAL DATA

Size range	DN10-DN25
Connection	Male threaded, BSP / NPT
Pressure / setting	Specify rating and required set pressure
Operation	Spring-loaded pressure relief
Temperature	Confirm limits for the selected construction
Catalogue media	LNG, LOX, LN2, LAr, CO2

MATERIALS

Body	CF8
Seat	HPb59-1
Disc	HPb59-1

CONFIGURATION DETAILS

Specify required set pressure, fluid and phase, relieving temperature, required capacity and allowable back pressure. Nominal rating is not the set pressure.

Confirm the selected inlet/outlet connections, trim materials and certified discharge capacity. Connection size alone does not establish the relief capacity.

PRODUCT INFORMATION & QUOTATIONS

nordicvalves.com/products/safety-valves/cryogenic-safety-valve-male-threaded

CRYOGENIC VALVES

CRYOGENIC SAFETY VALVE

PN320 | Male Threaded

PN320 cryogenic safety valve with a CF8 body and male BSP or NPT connections.



Product illustration. End connections follow the selected configuration.

MATERIALS

Body	CF8
Seat	HPb59-1
Disc	HPb59-1

TECHNICAL DATA

Size range	DN15
Connection	Male threaded, BSP / NPT
Nominal rating	PN320
Operation	Spring-loaded pressure relief
Temperature	Confirm limits for the selected construction
Set-pressure bands	5-10.9 / 11-19.9 / 20-28 MPa
Catalogue coefficient	0.66
Catalogue media	LNG, LOX, LN2, LAr, CO2

CONFIGURATION DETAILS

Specify required set pressure, fluid and phase, relieving temperature, required capacity and allowable back pressure. Nominal rating is not the set pressure.

Confirm the selected inlet/outlet connections, trim materials and certified discharge capacity. Connection size alone does not establish the relief capacity.

The listed setting bands and coefficient come from the Nordic catalogue. Order-specific capacity and trim documentation are required for sizing.

PRODUCT INFORMATION & QUOTATIONS

[nordicvalves.com/products/safety-valves/cryogenic-safety-valve-pn320-male-threaded](https://www.nordicvalves.com/products/safety-valves/cryogenic-safety-valve-pn320-male-threaded)

CRYOGENIC VALVES

CRYOGENIC STRAINER

Socket Weld

Cryogenic strainer with a CF8 body, S30408 filter and socket-weld ends for low-temperature pipework.



Product illustration. End connections follow the selected configuration.

TECHNICAL DATA

Size range	DN10-DN50
Connection	Socket Weld
Nominal rating	PN40
Temperature	Confirm limits for the selected construction
Catalogue media	LNG, LOX, LN2, LAr

MATERIALS

Body	CF8
Filter	S30408

Nordic catalogue selection data. Detailed temperature limits, dimensions and test documentation are supplied for the selected configuration.

CONFIGURATION DETAILS

Specify filter aperture or mesh, design flow, permitted pressure drop and access for element removal. The catalogue does not specify the filtration grade.

Confirm element material, socket dimensions and installation clearance for the selected size before installation.

PRODUCT INFORMATION & QUOTATIONS

nordicvalves.com/products/strainers/cryogenic-strainer-socket-weld