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 SPECIFICATIONS

Specification	Catalogue data
Size range	DN15-DN25
Connection	Female threaded, BSP / NPT
Pressure / setting	Specify rating and required set pressure
Operation	Spring-loaded pressure relief
Source temperature*	-196°C to +80°C
Catalogue media	LNG, LOX, LN2, LAr, CO2

MATERIALS

Component	Catalogue material
Body	CF8
Seat	HPb59-1
Disc	HPb59-1

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, DN25. Confirm the specified reference arrangement.

P/T rating: confirm allowable pressure at relieving temperature for the selected body, trim and seals; specify set pressure separately.

CONFIGURATION & SERVICE REQUIREMENTS

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.

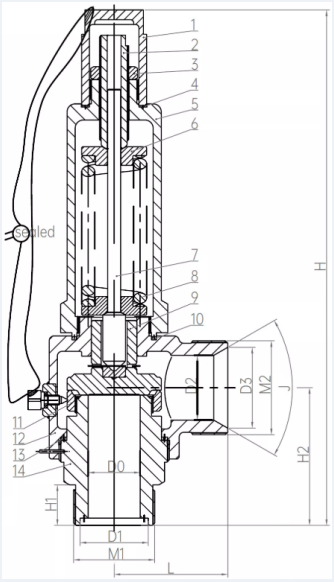
PRODUCT INFORMATION & QUOTATIONS

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

REFERENCE DRAWING & DIMENSIONS

Cryogenic Safety Valve - Female Threaded

Supplied female-threaded relief arrangement, DN15 and DN25. M1/M2 are the exact source connection designations, including metric threads; do not substitute BSP/NPT. DN20 is not tabulated. Set-pressure bands do not establish relief capacity.



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	H1	M1	M2	L	Operating pressure (MPa)	Set pressure (MPa)
15	150	56	G3/4	M30x1.5	35	4.0	0.4 - 1.0
15	150	56	G3/4	M30x1.5	35	4.0	1.0 - 2.0
15	150	56	G3/4	M30x1.5	35	4.0	2.0 - 3.0
25	197	69	G1 1/4	M36x2	47	4.0	0.4 - 1.0
25	197	69	G1 1/4	M36x2	47	4.0	1.0 - 2.0
25	197	69	G1 1/4	M36x2	47	4.0	2.0 - 3.0

Drawing reference: Supplied G / metric-thread arrangement

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 Safety Valve - Female Threaded

Supplied female-threaded relief arrangement, DN15 and DN25. M1/M2 are the exact source connection designations, including metric threads; do not substitute BSP/NPT. DN20 is not tabulated. Set-pressure bands do not establish relief capacity.

Component	Source arrangement material
Cover	HPb59-1
Spring Seat	S30408
Adjusting Ring	HPb59-1
Adjusting Screw	HPb59-1
Ejector Bar	20Cr13
Body	S30408
Lock Nut	S30408
Spring	S30210
Sealing	T2
Sealing	PTFE
Disc	S32168
Valve Seat	S32168
Bonnet	S30408

Reference: Supplied G / metric-thread arrangement

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.