CRYOGENIC VALVES

CRYOGENIC SWING CHECK VALVE

Threaded

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



Product illustration. End connections follow the selected configuration.

TECHNICAL SPECIFICATIONS

Specification	Catalogue data
Size range	3/8"-2"
Connection	BSP / NPT
Nominal rating	PN40
Operation	Automatic non-return
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. DN10, DN15, DN25, 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

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.

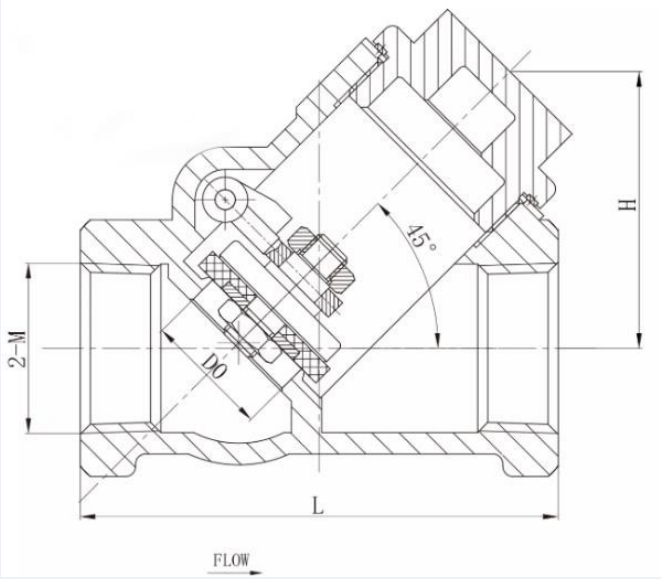
PRODUCT INFORMATION & QUOTATIONS

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

REFERENCE DRAWING & DIMENSIONS

Cryogenic Swing Check Valve - Threaded

PN40 threaded source arrangement, DN10, DN15, DN25, DN40 and DN50. DN20 and DN32 dimensions are not supplied. The source 2-M column is reproduced as a drawing value; it does not identify the BSP/NPT thread designation.



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	Size (inch)	L	H	2-M	D0	Weight (kg)
10	3/8	54	34.5	17	Ø10	0.50
15	1/2	67	39	21	Ø15	0.60
25	1	95	55	32	Ø25	0.65
40	1 1/2	137	69	47	Ø40	0.75
50	2	147	85	58	Ø50	1.00

Drawing reference: PN40 supplied threaded 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 Swing Check Valve - Threaded

PN40 threaded source arrangement, DN10, DN15, DN25, DN40 and DN50. DN20 and DN32 dimensions are not supplied. The source 2-M column is reproduced as a drawing value; it does not identify the BSP/NPT thread designation.

Component	Source arrangement material
Bonnet	CF8
Body	CF8
Disc	HPb59-1
Gasket	T2
Gasket	PTFE
Nut	HPb59-1
Rolling Bar	HPb59-1
Round Pin	S30408

Reference: PN40 supplied threaded 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.