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 SPECIFICATIONS

Specification	Catalogue data
Size range	DN10-DN50
Connection	Socket Weld
Nominal rating	PN40
Source temperature*	-196°C to +80°C
Catalogue media	LNG, LOX, LN2, LAr

MATERIALS

Component	Catalogue material
Body	CF8
Filter	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 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.

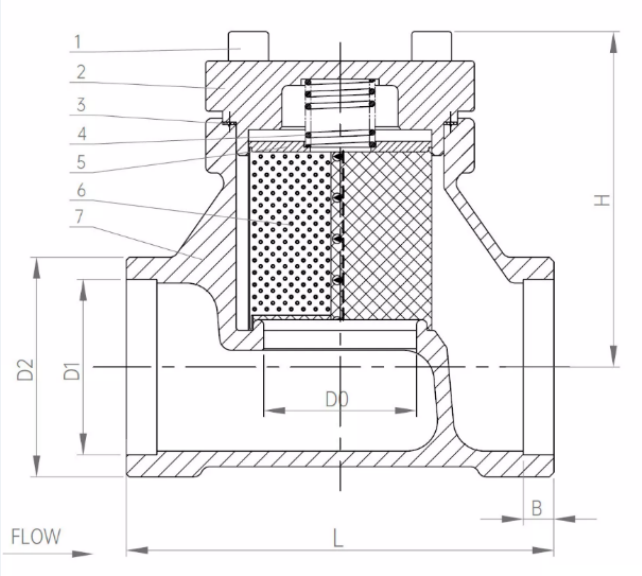
PRODUCT INFORMATION & QUOTATIONS

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

REFERENCE DRAWING & DIMENSIONS

Cryogenic Strainer - Socket Weld

PN40 socket-weld strainer arrangement, DN10-DN50. Exact duplicate source rows are consolidated. Confirm filter aperture or mesh and element-removal clearance.



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	L	D0	D1	D2	B
10	55	60	Ø13	Ø14.5	Ø24	6
15	62	65	Ø15	Ø18.5	Ø29.5	6
20	70	80	Ø20	Ø25.5	Ø36	8
25	77	90	Ø25	Ø32.5	Ø43.5	8
32	89	105	Ø32	Ø38.5	Ø53	8
40	98	120	Ø40	Ø45.5	Ø62	8
50	111	140	Ø50	Ø57.5	Ø72	10

Drawing reference: PN40 supplied socket-weld strainer

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 Strainer - Socket Weld

PN40 socket-weld strainer arrangement, DN10-DN50. Exact duplicate source rows are consolidated. Confirm filter aperture or mesh and element-removal clearance.

Component	Source arrangement material
Hexagon Screw	S30408
Spring of Gland Nut	S30210
Body	CF8
Bonnet	CF8
Spring Pad	S30408
Filter Assembly	S30408
Gasket	RPTFE

Reference: PN40 supplied socket-weld strainer

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.