

CHEMVALVE-SCHMID Wafer type check valve Series: PrimeNozzle CSL Type: 632 Stainless steel Wafer type PN40

Stainless steel wafer type check valve with streamline disc and spring, pressure class PN40.



Characteristics

Series: PrimeNozzle CSL

Type: 632

Norm: EN (DIN)

Housing material: Stainless steel

Material quality: 1.4408

Connection: Wafer type

Face to Face norm: EN 558, Series 52

With spring: Yes

Minimum medium temperature (continuous): -10 °C

Maximum medium temperature (continuous): 300 °C

Maximum pressure difference at 20 °C: 52 bar

Application

- General industry.
- Utility applications (HVAC).
- Corrosive and neutral liquids and gases.
- Steam and oil.
- Suitable for horizontal and vertical (rising flow) mounting.

Technical Information

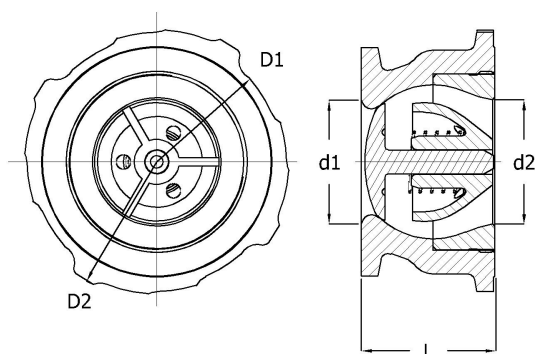
- Low flow resistance due to streamline disc.
- Mounting between flanges: PN10, 16, 25, 40, Class 150 or Class 300.
- Face to Face length: EN 558, Series 52.
- Testing: EN 12266-1.
- Leakage Class EN 12266-1: with metal seal Class C, with PTFE seal Class D, and with EPDM, NBR or FKM seal Class A.
- Information on opening pressures on request.

Options

- Available with flat disc steel; type 72619 (Face to Face length EN 558, series 49 instead of series 52).
- Available in special materials such as Duplex, Titanium or Hastelloy.
- Available with soft seal: EPDM, NBR, FKM or PTFE.
- Available in larger sizes.
- Available in higher pressure class.
- Available for other flange pressure class.
- Available with a different opening pressure.
- Calculation of the correct size based on process flow data.

Size table:

DN	d1 mm	d2 mm	D1 mm	D2 mm	L mm	Weight kg
DN15 - 1/2"	16.5	18.1	46.6	61	25	0.3
DN20 - 3/4"	22	23	57.2	77	31.5	0.5
DN25 - 1"	25.6	27.7	66.7	77	35.5	0.6
DN32 - 1.1/4"	33.6	35.6	76.2	93	40	0.9
DN40 - 1.1/2"	41	41	85.7	98.5	45	1.4
DN50 - 2"	52	52	104	116	56	2.2
DN65 - 2.1/2"	59.5	66	118	144	63	3.3
DN80 - 3"	75.7	82	134	154	71	4.8
DN100 - 4"	94.1	105	159	185	80	7



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Nominal inner diameter	Standard connection	Pressure rating	Pressure rating flange	Face to Face length	Valve shape	Kv value	Sealing	Material disc	Spring material	Article
				mm		m ³ /h				
DN15 - 1/2"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	25	Streamline disc	5.5	Stainless steel	1.4408	1.4401	12986265
DN20 - 3/4"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	31.5	Streamline disc	9.2	Stainless steel	1.4408	1.4401	12986266
DN25 - 1"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	35.5	Streamline disc	12.6	Stainless steel	1.4408	1.4401	12986267
DN32 - 1.1/4"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	40	Streamline disc	21.2	Stainless steel	1.4408	1.4401	14191167
DN40 - 1.1/2"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	45	Streamline disc	31	Stainless steel	1.4408	1.4401	12708466
DN50 - 2"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	56	Streamline disc	48.3	Stainless steel	1.4408	1.4401	12708468
DN65 - 2.1/2"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	63	Streamline disc	69.8	Stainless steel	1.4408	1.4401	12708469
DN80 - 3"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	71	Streamline disc	110.9	Stainless steel	1.4408	1.4401	12708471
DN100 - 4"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	80	Streamline disc	164.6	Stainless steel	1.4408	1.4401	12708472

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