



CHEMVALVE-SCHMID Wafer type check valve Series: PrimeDisc X DSF Type: 8570 Stainless steel Wafer type PN40/100

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

Characteristics

Series: PrimeDisc X DSF

Type: 8570

Norm: EN [DIN]

Housing material: Stainless steel

Material quality: 1.4404

Connection: Wafer type

Face to Face norm: EN 558, Series 52

With spring: Yes

Material disc: 1.4404

Spring material: 1.4401

Minimum medium temperature (continuous): -10 °C

Application

- General industry.
- Refineries and (petro-) chemical process installations.
- Oil & gas industry.
- Corrosive and neutral liquids and gases.
- Steam and oil.
- Hot or cold (sea) water, etc.
- Suitable for horizontal and vertical (rising flow) mounting.
- Recommended in: Chemical, Petrochemical and Refining

Technical Information

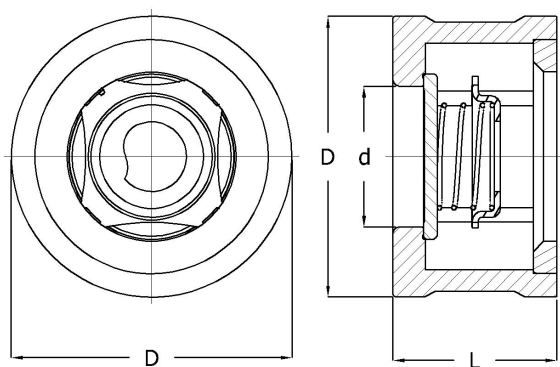
- Mounting between EN [DIN] and/or ASME flanges, varies by size.
- Face to Face length: EN 558, Series 52.
- Testing: EN 12266-1.
- Leakage Class EN 12266-1: with metal or PTFE seal Class D, with EPDM, NBR or FKM seal Class A.
- Information on opening pressures on request.

Options

- Available with with streamline disc; type 632.
- Available in lighter version; 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	d mm	D mm	L mm	Weight kg
DN15 - 1/2"	15	44	25	0.1
DN15 - 1/2"	15	50	25	0.1
DN15 - 1/2"	15	51	25	0.1
DN20 - 3/4"	20	53	31.5	0.35
DN20 - 3/4"	20	63	31.5	0.35
DN20 - 3/4"	20	61	31.5	0.35
DN25 - 1"	25	63	35.5	0.55
DN25 - 1"	25	69	35.5	0.55
DN25 - 1"	25	71	35.5	0.55
DN32 - 1.1/4"	32	82	40	0.75
DN32 - 1.1/4"	32	88	40	0.75
DN40 - 1.1/2"	40	82	45	1.1
DN40 - 1.1/2"	40	92	45	1.1
DN40 - 1.1/2"	40	103	45	1.1
DN50 - 2"	50	101	56	2
DN50 - 2"	50	107	56	2
DN50 - 2"	50	119	56	2
DN50 - 2"	50	113	56	2
DN65 - 2.1/2"	65	127	63	3
DN65 - 2.1/2"	65	144	63	3
DN80 - 3"	80	142	71	4.5
DN80 - 3"	80	154	71	4.5
DN100 - 4"	100	162	80	5.5
DN100 - 4"	100	170	80	5.5
DN100 - 4"	100	180	80	5.5



Nominal inner diameter	Standard connection	Pressure rating	Pressure rating flange	Face to Face length	Valve shape	Kv value	Sealing	Maximum medium temperature (continuous)	Maximum pressure difference at 20 °C	Article
				mm		m³/h		°C	bar	
DN15 - 1/2"	ASME	PN40	Class 150	25	Disc	4	Stainless steel	300	40	11137403
DN15 - 1/2"	ASME	PN40	Class 300	25	Disc	4	Stainless steel	300	40	14232593
DN15 - 1/2"	EN (DIN)	PN40	PN10/16/25/40	25	Disc	4	EPDM	130	40	14046568
DN15 - 1/2"	EN (DIN)	PN40	PN10/16/25/40	25	Disc	4	PTFE	200	40	14046578
DN20 - 3/4"	ASME	PN40	Class 150	31.5	Disc	7	Stainless steel	300	40	14232596
DN20 - 3/4"	ASME	PN40	Class 300	31.5	Disc	7	Stainless steel	300	40	14232592
DN20 - 3/4"	EN (DIN)	PN40	PN10/16/25/40	31.5	Disc	7	EPDM	130	40	14046569
DN20 - 3/4"	EN (DIN)	PN40	PN10/16/25/40	31.5	Disc	7	PTFE	200	40	14046579
DN20 - 3/4"	EN (DIN)	PN40	PN10/16/25/40	31.5	Disc	7	Stainless steel	300	40	14046565
DN25 - 1"	ASME	PN40	Class 150	35.5	Disc	12	Stainless steel	300	40	11137406
DN25 - 1"	ASME	PN40	Class 300	35.5	Disc	12	Stainless steel	300	40	11137467
DN25 - 1"	EN (DIN)	PN40	PN10/16/25/40	35.5	Disc	12	EPDM	130	40	14046570

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Nominal inner diameter	Standard connection	Pressure rating	Pressure rating flange	Face to Face length	Valve shape	Kv value	Sealing	Maximum medium temperature (continuous)	Maximum pressure difference at 20 °C	Article
				mm		m³/h		°C	bar	
DN25 - 1"	EN (DIN)	PN40	PN10/16/25/40	35.5	Disc	12	PTFE	200	40	14046580
DN25 - 1"	EN (DIN)	PN40	PN10/16/25/40	35.5	Disc	12	Stainless steel	300	40	14046566
DN32 - 1.1/4"	EN (DIN)	PN40	PN10/16/25/40	40	Disc	19	EPDM	130	40	14046571
DN32 - 1.1/4"	EN (DIN)	PN40	PN10/16/25/40	40	Disc	19	PTFE	200	40	14046581
DN32 - 1.1/4"	EN (DIN)	PN40	PN10/16/25/40	40	Disc	19	Stainless steel	300	40	14046567
DN32 - 1.1/4"	EN (DIN)	PN100	PN63/160	40	Disc	19	Stainless steel	300	100	14046591
DN40 - 1.1/2"	ASME	PN40	Class 150	45	Disc	27	Stainless steel	300	40	11137409
DN40 - 1.1/2"	ASME	PN40	Class 300	45	Disc	27	Stainless steel	300	40	11137468
DN40 - 1.1/2"	EN (DIN)	PN40	PN10/16/25/40	45	Disc	27	EPDM	130	40	14046572
DN40 - 1.1/2"	EN (DIN)	PN40	PN10/16/25/40	45	Disc	27	PTFE	200	40	14046583
DN40 - 1.1/2"	EN (DIN)	PN100	PN63/160	45	Disc	27	Stainless steel	300	100	14046592
DN50 - 2"	ASME	PN40	Class 150	56	Disc	45	Stainless steel	300	40	11137410
DN50 - 2"	ASME	PN40	Class 300	56	Disc	45	Stainless steel	300	40	11137469
DN50 - 2"	EN (DIN)	PN40	PN10/16/25/40	56	Disc	45	EPDM	130	40	14046573
DN50 - 2"	EN (DIN)	PN40	PN10/16/25/40	56	Disc	45	PTFE	200	40	14046584
DN50 - 2"	EN (DIN)	PN100		56	Disc	45	Stainless steel	300	100	14046593
DN50 - 2"	EN (DIN)	PN100	PN63	56	Disc	45	Stainless steel	300	100	14046589
DN65 - 2.1/2"	EN (DIN)	PN40	PN10/16/25/40	63	Disc	68	EPDM	130	40	14046574
DN65 - 2.1/2"	EN (DIN)	PN40	PN10/16/25/40	63	Disc	68	PTFE	200	40	14046585
DN65 - 2.1/2"	EN (DIN)	PN100		63	Disc	68	Stainless steel	300	100	14046594
DN80 - 3"	EN (DIN)	PN40	PN10/16/25/40	71	Disc	88	EPDM	130	40	14046575
DN80 - 3"	EN (DIN)	PN40	PN10/16/25/40	71	Disc	88	PTFE	200	40	14046586
DN80 - 3"	EN (DIN)	PN100		71	Disc	88	Stainless steel	300	100	14046595
DN100 - 4"	EN (DIN)	PN40	PN10/16	80	Disc	133	EPDM	130	40	14046576
DN100 - 4"	EN (DIN)	PN40	PN10/16	80	Disc	133	PTFE	200	40	14046587
DN100 - 4"	EN (DIN)/ASME	PN40	PN10/16/25/40	80	Disc	133	EPDM	130	40	14046577
DN100 - 4"	EN (DIN)/ASME	PN40	PN25/40 and Class 150	80	Disc	133	PTFE	200	40	14046588
DN100 - 4"	EN (DIN)	PN100		80	Disc	133	Stainless steel	300	100	14046596
DN100 - 4"	EN (DIN)	PN100	PN63	80	Disc	133	Stainless steel	300	100	14046590

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