



CHEMVALVE-SCHMID Wafer type check valve Series: PrimeDisc S CSD/CVD Type: 72619 Stainless steel Wafer type PN40

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

Characteristics

Series: PrimeDisc S CSD/CVD

Type: 72619

Norm: EN [DIN]

Housing material: Stainless steel duplex [1.4462]

Material quality: 1.4408

Connection: Wafer type

Face to Face norm: EN 558, Series 49

With spring: Yes

Spring material: 1.4401

Minimum medium temperature (continuous): -10 °C

Maximum pressure difference at 20 °C: 40 bar

Application

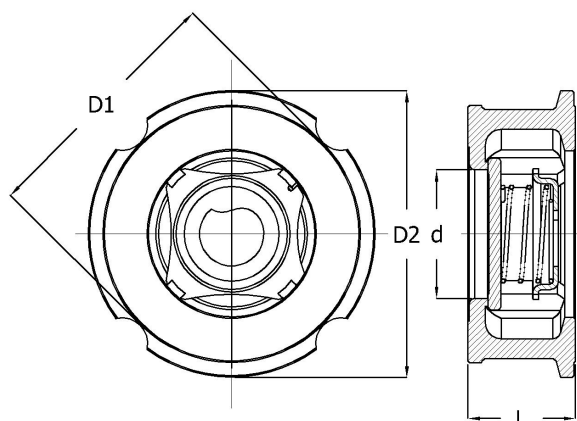
- General industry.
- Utility applications (HVAC).
- Neutral liquids and gases.
- Steam and oil.
- Hot or cold [sea] water, etc.
- Suitable for horizontal and vertical (rising flow) mounting.
- Recommended in: Utilities

Technical Information

- Mounting between flanges up to DN100: PN10, 16, 25, 40, Class 150 or Class 300, DN125 and above: varies by size.
- In certain size/pressure class combinations provided with a centering ring.
- Face to Face length: EN 558, Series 49.
- Testing: EN 12266-1.
- Leakage Class EN 12266-1: with metal or PTFE seal: Class D, and with EPDM, NBR or FKM seal: Class A.
- Information on opening pressures on request.

Options

- Available in steel; type 72617.
- Available in bronze; type 72616.
- Available with streamline disc; type 632 [Face to Face length EN 558, series 52 instead of series 49].
- Available in special materials such as Duplex, Titanium or Hastelloy.
- Available with soft seal: EPDM, NBR, FKM or PTFE.
- Available in larger sizes.
- Available for other flange pressure classes.
- Available in higher pressure class; type 8570 [Face to Face length EN 558, series 52 instead of series 49].
- Available with a different opening pressure.
- Calculation of the correct size based on process flow data.



Size table:

DN	d mm	D1 mm	D2 mm	L mm	Weight kg
DN15 - 1/2"	15	44	51	16	0.1
DN20 - 3/4"	20	54	61	19	0.2
DN25 - 1"	25	63.5	71	22	0.3
DN32 - 1.1/4"	32	73	79.5	28	0.5
DN40 - 1.1/2"	39	82.5	92	31.5	0.7
DN50 - 2"	48	96	107	40	1.1
DN65 - 2.1/2"	62	116	127	46	1.6
DN80 - 3"	72.5	132	142	50	3
DN100 - 4"	89	152	162	60	3.5
DN125 - 5"	125	212		90	14
DN125 - 5"	125	192		90	10
DN150 - 6"	150	247		106	14
DN150 - 6"	150	218		106	14
DN150 - 6"	150	226		106	14
DN200 - 8"	200	304		140	24
DN200 - 8"	200	273		140	24
DN200 - 8"	200	283		140	24
DN200 - 8"	200	290		140	24

Centering ring					
Pressure rating flange			Size		
	DN125	DN150	DN200	DN250	DN300
PN25			X	X	X
PN40			X	X	X
Class 150				X	X
Class 300	X	X	X	X	X

X: In this size/pressure rating flange combination the centering ring is included.

Nominal inner diameter	Standard connection	Pressure rating	Pressure rating flange	Face to Face length	Valve shape	Kv value	Sealing	Material disc	Maximum medium temperature (continuous)	Article
				mm		m³/h			°C	
DN15 - 1/2"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	16	Valve plate	4	EPDM	1.4404	130	14046539
DN15 - 1/2"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	16	Valve plate	4	FPM (FKM)	1.4404	200	13677011
DN15 - 1/2"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	16	Valve plate	4	PTFE	1.4404	200	12688381
DN15 - 1/2"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	16	Valve plate	4	Stainless steel	1.4404	300	11323713

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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	Maximum medium temperature (continuous)	Article
				mm		m³/h			°C	
DN20 - 3/4"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	19	Valve plate	7	EPDM	1.4404	130	14046540
DN20 - 3/4"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	19	Valve plate	7	FPM (FKM)	1.4404	200	11287340
DN20 - 3/4"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	19	Valve plate	7	PTFE	1.4404	200	14046549
DN20 - 3/4"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	19	Valve plate	7	Stainless steel	1.4404	300	11323714
DN25 - 1"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	22	Valve plate	12	EPDM	1.4404	130	11032634
DN25 - 1"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	22	Valve plate	12	FPM (FKM)	1.4404	200	11461553
DN25 - 1"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	22	Valve plate	12	PTFE	1.4404	200	12140314
DN25 - 1"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	22	Valve plate	12	Stainless steel	1.4404	300	11323715
DN32 - 1.1/4"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	28	Valve plate	19	EPDM	1.4404	130	14046541
DN32 - 1.1/4"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	28	Valve plate	19	FPM (FKM)	1.4404	200	12578130
DN32 - 1.1/4"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	28	Valve plate	19	PTFE	1.4404	200	14046551
DN32 - 1.1/4"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	28	Valve plate	19	Stainless steel	1.4404	300	11323716
DN40 - 1.1/2"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	31.5	Valve plate	27	FPM (FKM)	1.4404	200	11387668
DN40 - 1.1/2"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	31.5	Valve plate	27	Stainless steel	1.4404	300	11323717
DN50 - 2"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	40	Valve plate	45	EPDM	1.4404	130	11091200
DN50 - 2"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	40	Valve plate	45	FPM (FKM)	1.4404	200	11043437
DN50 - 2"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	40	Valve plate	45	PTFE	1.4404	200	14419163
DN50 - 2"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	40	Valve plate	45	Stainless steel	1.4404	300	11323718
DN65 - 2.1/2"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	46	Valve plate	68	EPDM	1.4404	130	12951167
DN65 - 2.1/2"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	46	Valve plate	68	FPM (FKM)	1.4404	200	12589618
DN65 - 2.1/2"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	46	Valve plate	68	PTFE	1.4404	200	12577767
DN65 - 2.1/2"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	46	Valve plate	68	Stainless steel	1.4404	300	11323719
DN80 - 3"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	50	Valve plate	88	FPM (FKM)	1.4404	200	11465270

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				mm		m³/h			°C	
DN80 - 3"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	50	Valve plate	88	Stainless steel	1.4404	300	11323720
DN100 - 4"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	60	Valve plate	133	EPDM	1.4404	130	14046542
DN100 - 4"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	60	Valve plate	133	FPM (FKM)	1.4404	200	12638324
DN100 - 4"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	60	Valve plate	133	Stainless steel	1.4404	300	11323721
DN125 - 5"	ASME	PN40	Class 300	90	Valve plate	180	EPDM	1.4408	130	14046543
DN125 - 5"	ASME	PN40	Class 300	90	Valve plate	180	PTFE	1.4408	200	14046552
DN125 - 5"	ASME	PN40	Class 300	90	Valve plate	180	Stainless steel	1.4408	300	14046534
DN125 - 5"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150	90	Valve plate	180	PTFE	1.4408	200	14046553
DN125 - 5"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150	90	Valve plate	180	Stainless steel	1.4408	300	10050417
DN150 - 6"	ASME	PN40	Class 300	106	Valve plate	270	EPDM	1.4408	130	14046544
DN150 - 6"	ASME	PN40	Class 300	106	Valve plate	270	PTFE	1.4408	200	14046554
DN150 - 6"	ASME	PN40	Class 300	106	Valve plate	270	Stainless steel	1.4408	300	14046535
DN150 - 6"	EN [DIN]/ASME	PN40	PN10/16 and Class 150	106	Valve plate	270	PTFE	1.4408	200	14046555
DN150 - 6"	EN [DIN]/ASME	PN40	PN10/16 and Class 150	106	Valve plate	270	Stainless steel	1.4408	300	10050418
DN150 - 6"	EN [DIN]	PN40	PN25/40	106	Valve plate	270	EPDM	1.4408	130	14046545
DN150 - 6"	EN [DIN]	PN40	PN25/40	106	Valve plate	270	Stainless steel	1.4408	300	14046536
DN200 - 8"	ASME	PN40	Class 300	140	Valve plate	450	EPDM	1.4408	130	14046546
DN200 - 8"	ASME	PN40	Class 300	140	Valve plate	450	PTFE	1.4408	200	14046556
DN200 - 8"	ASME	PN40	Class 300	140	Valve plate	450	Stainless steel	1.4408	300	14046537
DN200 - 8"	EN [DIN]/ASME	PN40	PN10/16 and Class 150	140	Valve plate	450	EPDM	1.4408	130	13511419
DN200 - 8"	EN [DIN]/ASME	PN40	PN10/16 and Class 150	140	Valve plate	450	Stainless steel	1.4408	300	10050419
DN200 - 8"	EN [DIN]	PN40	PN25	140	Valve plate	450	EPDM	1.4408	130	14046547
DN200 - 8"	EN [DIN]	PN40	PN25	140	Valve plate	450	PTFE	1.4408	200	14046557
DN200 - 8"	EN [DIN]	PN40	PN25	140	Valve plate	450	Stainless steel	1.4408	300	14046538
DN200 - 8"	EN [DIN]	PN40	PN40	140	Valve plate	450	EPDM	1.4408	130	14046548
DN200 - 8"	EN [DIN]	PN40	PN40	140	Valve plate	450	PTFE	1.4408	200	14046558
DN200 - 8"	EN [DIN]	PN40	PN40	140	Valve plate	450	Stainless steel	1.4408	300	14437078

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