



CHEMVALVE-SCHMID Wafer type check valve Series: PrimeDisc S CSD/CVD Type: 72617 Steel Wafer type PN40

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

Characteristics

Series: PrimeDisc S CSD/CVD

Type: 72617

Norm: EN (DIN)

Housing material: Steel

Material quality: 1.0619

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

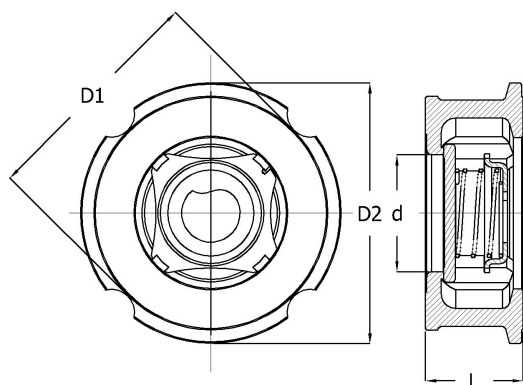
- Mounting between flanges up to DN100: PN10, 16, 25, 40, Class 150 or Class 300, DN125 and above: varies by size.
- In certain size/pressure class combinations provided with a centering ring.
- Face to Face length: EN 558, Series 49.
- Testing: EN 12266-1.
- Leakage Class EN 12266-1: with metal or PTFE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

Options

- Available in bronze; type 72619.
- Available in stainless steel; type 72619.
- 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 with a different opening pressure.
- Calculation of the correct size based on process flow data.

Size table:

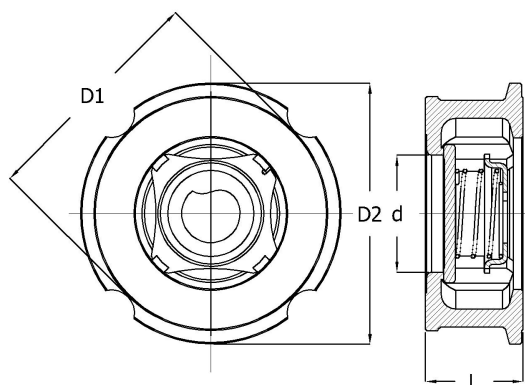
DN	d	D1	D2	L	Weight
	mm	mm	mm	mm	kg
DN15 - 1/2"	15	44	51	16	0.1
DN20 - 3/4"	20	54	61	19	0.2
DN25 - 1"	25	63.5	71	22	0.3
DN32 - 1.1/4"	32	73	79.5	28	0.5
DN40 - 1.1/2"	39	82.5	92	31.5	0.7
DN50 - 2"	48	96	107	40	1.1
DN65 - 2.1/2"	62	116	127	46	1.6
DN80 - 3"	72.5	132	142	50	3
DN100 - 4"	89	152	162	60	3.5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



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Size table:

DN	d	D1	D2	L	Weight
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	Disc	4	EPDM	1.4404	130	14046502
DN15 - 1/2"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	16	Disc	4	PTFE	1.4404	200	14046518
DN15 - 1/2"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	16	Disc	4	Stainless steel	1.4404	250	10050384
DN20 - 3/4"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	19	Disc	7	EPDM	1.4404	130	14046503
DN20 - 3/4"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	19	Disc	7	PTFE	1.4404	200	14046519
DN20 - 3/4"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	19	Disc	7	Stainless steel	1.4404	250	10050385
DN25 - 1"	EN [DIN]/ASME	PN40	PN10/16/25/40 and Class 150/300	22	Disc	12	EPDM	1.4404	130	14046504

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				mm		m³/h			°C	
DN25 - 1"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	22	Disc	12	PTFE	1.4404	200	11120130
DN25 - 1"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	22	Disc	12	Stainless steel	1.4404	250	10050386
DN32 - 1.1/4"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	28	Disc	19	EPDM	1.4404	130	14046506
DN32 - 1.1/4"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	28	Disc	19	PTFE	1.4404	200	14046520
DN32 - 1.1/4"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	28	Disc	19	Stainless steel	1.4404	250	10050387
DN40 - 1.1/2"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	31.5	Disc	27	PTFE	1.4404	200	14046521
DN40 - 1.1/2"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	31.5	Disc	27	Stainless steel	1.4404	250	10050388
DN50 - 2"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	40	Disc	45	EPDM	1.4404	130	14046507
DN50 - 2"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	40	Disc	45	PTFE	1.4404	200	14046522
DN50 - 2"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	40	Disc	45	Stainless steel	1.4404	250	10050389
DN65 - 2.1/2"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	46	Disc	68	PTFE	1.4404	200	14046523
DN65 - 2.1/2"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	46	Disc	68	Stainless steel	1.4404	250	10050390
DN80 - 3"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	50	Disc	88	NBR	1.4404	120	13658110
DN80 - 3"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	50	Disc	88	PTFE	1.4404	200	14046524
DN80 - 3"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	50	Disc	88	Stainless steel	1.4404	250	10050391
DN100 - 4"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	60	Disc	133	EPDM	1.4404	130	14046508
DN100 - 4"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	60	Disc	133	PTFE	1.4404	200	14046525
DN100 - 4"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150/300	60	Disc	133	Stainless steel	1.4404	250	10050392
DN125 - 5"	ASME	PN40	Class 300	90	Disc	180	EPDM	1.4408	130	14046510
DN125 - 5"	ASME	PN40	Class 300	90	Disc	180	PTFE	1.4408	200	14046526
DN125 - 5"	ASME	PN40	Class 300	90	Disc	180	Stainless steel	1.4408	250	14046496
DN125 - 5"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150	90	Disc	180	EPDM	1.4408	130	14046511
DN125 - 5"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150	90	Disc	180	PTFE	1.4408	200	14046527
DN125 - 5"	EN (DIN)/ASME	PN40	PN10/16/25/40 and Class 150	90	Disc	180	Stainless steel	1.4408	250	10050393
DN150 - 6"	ASME	PN40	Class 300	106	Disc	270	EPDM	1.4408	130	14046512
DN150 - 6"	ASME	PN40	Class 300	106	Disc	270	PTFE	1.4408	200	14046528
DN150 - 6"	ASME	PN40	Class 300	106	Disc	270	Stainless steel	1.4408	250	14046497
DN150 - 6"	EN (DIN)/ASME	PN40	PN10/16 and Class 150	106	Disc	270	EPDM	1.4408	130	14046513

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				mm		m³/h			°C	
DN150 - 6"	EN (DIN)/ASME	PN40	PN10/16 and Class 150	106	Disc	270	Stainless steel	1.4408	250	10050394
DN150 - 6"	EN (DIN)	PN40	PN25/40	106	Disc	270	EPDM	1.4408	130	14046514
DN150 - 6"	EN (DIN)	PN40	PN25/40	106	Disc	270	PTFE	1.4408	200	14046529
DN150 - 6"	EN (DIN)	PN40	PN25/40	106	Disc	270	Stainless steel	1.4408	250	14046498
DN200 - 8"	ASME	PN40	Class 300	140	Disc	450	EPDM	1.4408	130	14046515
DN200 - 8"	ASME	PN40	Class 300	140	Disc	450	PTFE	1.4408	200	14046530
DN200 - 8"	ASME	PN40	Class 300	140	Disc	450	Stainless steel	1.4408	250	14046499
DN200 - 8"	EN (DIN)/ASME	PN40	PN10/16 and Class 150	140	Disc	450	PTFE	1.4408	200	14046531
DN200 - 8"	EN (DIN)/ASME	PN40	PN10/16 and Class 150	140	Disc	450	Stainless steel	1.4408	250	10050395
DN200 - 8"	EN (DIN)	PN40	PN25	140	Disc	450	EPDM	1.4408	130	14046516
DN200 - 8"	EN (DIN)	PN40	PN25	140	Disc	450	PTFE	1.4408	200	14046532
DN200 - 8"	EN (DIN)	PN40	PN25	140	Disc	450	Stainless steel	1.4408	250	14046500
DN200 - 8"	EN (DIN)	PN40	PN40	140	Disc	450	EPDM	1.4408	130	14046517
DN200 - 8"	EN (DIN)	PN40	PN40	140	Disc	450	PTFE	1.4408	200	14046533
DN200 - 8"	EN (DIN)	PN40	PN40	140	Disc	450	Stainless steel	1.4408	250	14437077

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