

Range DN: 15 ~ 300
NPS: 1/2" ~ 8"



PED 97/23/EC
PED 2014/68/EU



TR TS 10/11,
12/11, 32/11



Range PN: 6 ~ 160
Class: 150 ~ 900

Operating temperature: -196 °C ~ 550 °C

Connection into piping: WAFER



DESCRIPTION

WA-001 wafer disc check valves are automatic check valves. They automatically prevent the reverse flow of the medium. The medium can flow in one direction only. These check valves are designed and manufactured to ensure maximum service life and reliability.

MATERIAL SPECIFICATION

WA-001 wafer disc check valves are made from carbon, alloy and stainless steels. The material type can be adjusted according to the customer's request to optimally suit the operating conditions.

APPLICATION

WA-001 wafer disc check valves are specially designed for use in the hydraulic and pneumatic systems, but they are suitable for various liquids, gases and steam.

BASIC STANDARDS FOR DESIGN

Basic design

EN 12 516 - 1

Pressure-temperature rating

EN 12 516 - 1

Testing

EN 12 266 - 1, 2

Face-to-face dimensions

EN 558

Dimensions of the welded ends

None

Top Flange dimensions

None

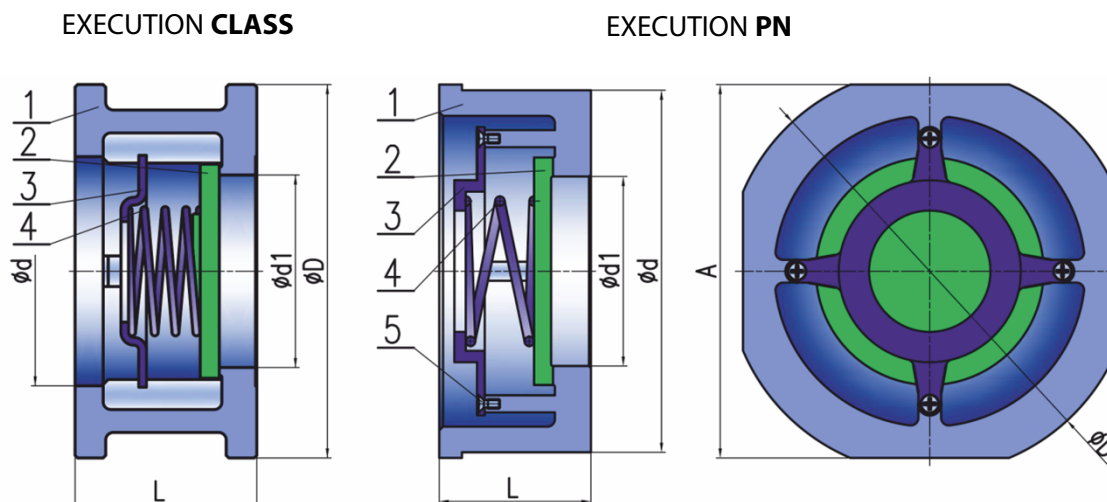
Sealing surface execution

EN 1759-1, EN 1092-1

Special

NACE MR-0175

MATERIAL SPECIFICATION



Pos.	Designation	Material			
		Acc to EN standards		Acc to ASTM standards	
		material designation	standard	material designation	standard
1	Body	1.4408 (GX5CrNiMo19-11-2)	EN 10213-4	CF3, CF8M	A351
		1.4308 (GX5CrNi19-10)	EN 10272	CF8	
2	Disc	1.4436 (X3CrNiMo17-13-3)	EN 10228 -7	F 316	A182
		1.4301 (X5CrNi18-10)	EN 10272	SS 304	AISI 304
3	Bonnet	1.4408 (GX5CrNiMo19-11-2)	EN10028-7	CF3, CF8M	A351
		1.4301 (X5CrNi18-10)	EN 10272	SS 304	AISI 304
4	Spring	1.4436 (X3CrNiMo17-13-3)	EN 10272	F 316	A182
		1.4301 (X5CrNi18-10)		SS 304	AISI 304
5	Bolt	1.4301 (X5CrNi18-10)	EN 10272	SS 304	AISI 304

DIMENSIONS – EXECUTION PN

DN	PN 6 ÷ 15						PN 25					PN 40				
	d1	d	A	D	L	(KG)	d1	d	D	L	(KG)	d1	d	D	L	(KG)
15	15	43	45	53	16,5	0,17	15	45	53	16,5	0,17	15	45	53	16,5	0,17
20	20	46	55	63	19,5	0,19	20	55	63	19,5	0,19	20	55	63	19,5	0,19
25	25	63	65	73	22	0,3	25	65	73	22	0,3	25	65	73	22	0,3
32	30	75	78	84	28	0,4	30	78	84	28	0,4	30	78	84	28	0,4
40	38	83	88	94	32	0,6	38	88	94	32	0,6	38	88	94	32	0,6
50	47	95	98	107	40	0,85	47	98	107	40	0,85	47	98	107	40	0,85
65	62,5	115	118	126	46	1,5	62,5	118	126	46	1,5	62,5	118	126	46	1,5
80	77	130	134	144	50	1,76	77	134	144	50	1,76	77	134	144	50	1,76
100	96	151	154	164	60	3,3	96	154	170	60	4,2	96	154	170	60	4,2
125	110	178	184	194	90	9	110	180	196	90	10	110	180	196	90	10
150	127	200	209	220	106	14	127	205	226	106	16	127	205	226	106	16
200	165	254	264	275	140	24	165	265	284	140	28	165	275	296	140	29
250	205	305	319	330	200	30	205	315	343	200	35	205	325	355	200	36
300	238	360	375	380	250	42	238	375	403	250	45	238	395	420	250	48

DIMENSIONS – EXECUTION CLASS

NPS	DN	CLASS 150					CLASS 300					CLASS 600					CLASS 900				
		d1	d	D	L	(KG)	d1	d	D	L	(KG)	d1	d	D	L	(KG)	d1	d	D	L	(KG)
1/2	15	15	25	46	25	0,28	15	25	52	25	0,3	15	25	52	25	0,4	15	25	62	25	0,6
3/4	20	19	30	56	31,5	0,42	19	30	65	31,5	0,46	19	30	65	31,5	0,8	19	30	69	31,5	0,9
1	25	24	36	65	35,5	0,56	24	36	72	35,5	0,6	24	36	72	35,5	1	24	36	77	35,5	1,2
1 1/4	32	31	43	74	40	0,75	31	43	81	40	0,8	31	43	81	40	1,3	31	43	87	40	1,5
1 1/2	40	39	52	84	45	1,3	39	52	94	45	1,5	39	52	94	45	1,8	39	52	97	45	2
2	50	48	62	103	56	2,1	48	62	110	56	2,4	48	62	110	56	2,8	48	62	140	56	5,5
2 1/2	65	62	75	122	63	2,8	62	75	128	63	3	62	75	128	63	4	62	75	162	63	7,5
3	80	76	90	135	71	3,6	76	90	147	71	4	76	90	147	71	6	76	90	165	71	8
4	100	95	112	173	80	4,8	95	112	179	80	5,5	95	112	191	80	11	95	112	204	80	14
5	125	110	132	195	110	12	110	132	214	110	13	110	132	239	110	25	110	132	245	110	27
6	150	127	158	220	125	17	127	158	249	125	22	127	158	264	125	32	127	158	286	125	41
8	200	165	208	277	160	29	165	208	305	160	36	165	208	318	160	52	165	208	356	160	76

TYPE DESIGNATION

WA-001 DN PN or Class/S

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SPECIAL VARIATIONS

As antistatic execution

