

RD* - DISC WAFER CHECK VALVE

316 Stainless steel check valve disc, wafer mounting between flanges EN1092 or ANSI. Horizontal or vertical installation.

Materials: Body/disc/star S.S. 316, spring S.S.302

Option Soft gasket: NBR (N) EPDM (E) VITON (V) PTFE (T)

Temperature: 95°C 130°C 180°C 180°C

Nominal Pressure: PN25 / PN40

Dimensions: DN15...DN100



Code	RD25*	RD40*	
	PN25	PN40	Category
CE (PED- European Directive 97/23 / EC)	DN15...40	DN15...32	SEP-art. 3, paragraph 3
	DN50...100	DN40...80	Category 1 (CE)
	-	DN100	Category 2 (CE)

Table minimum opening pressure with standard spring in mbar

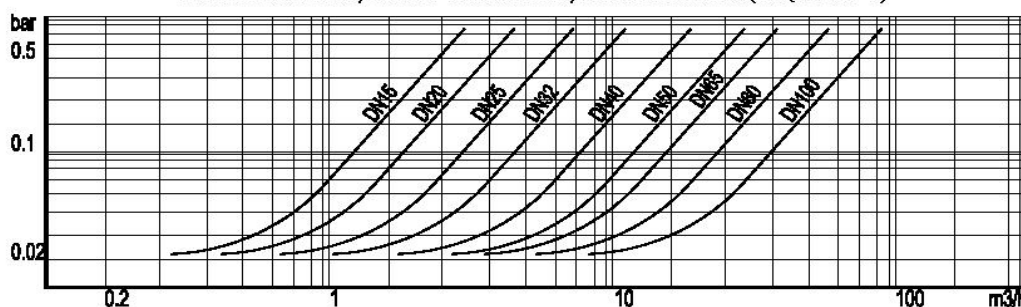
DN	D.P.				Dimensions mm			
	$\tilde{a}$	$\hat{a}$	$\ddot{a}$	$\tilde{a}^*$	D1	D2	L	Kg
15	25	23	21	2	43	50	17	0.18
20	25	23	21	2	53	60	20	0.20
25	25	23	21	2	64	70	23	0.25
32	27	24	21	3	75	81	28	0.50
40	28	25	21	4	86	91	32	0.70
50	29	25	21	4	96	105	40	1.30
65	30	26	21	5	115	126	46	1.70
80	31	26	21	5	132	141	50	2.80
100	33	27	21	6	152	167	60	4.50

* Vertical installation without springs (from bottom to top)

U	flow direction
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Pressure drop, horizontal flow, standard spring (water -20 ° C)

PERDITA DI CARICO, FLUSSO ORIZZONTALE, MOLLA STANDARD (ACQUA -20°C)



Per determinare la perdita di carico di altri fluidi l'equivalente volume di portata acqua deve essere calcolato: $V_w = \sqrt{\frac{Q}{1000}} \times V$
 dove
 V_w = equivalente portata acqua in mc/h; Q = densità in kg/m³; V = portata in mc/h



SATEMA

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RDG* - CAST IRON DISC WAFER CHECK VALVE

Disc wafer spring check valves, manufactured in accordance with the most severe product norms, and in conformity with the quality requirements of EN ISO 9001. Cast iron body and soft seal, suitable for heating and conditioning (HVAC), water treatment and distribution, pumping stations and industrial applications. Internal external epoxy coating RAL 5002 color.

Face-to-face: EN558

Flanges: EN 1092, ANSI B16.5

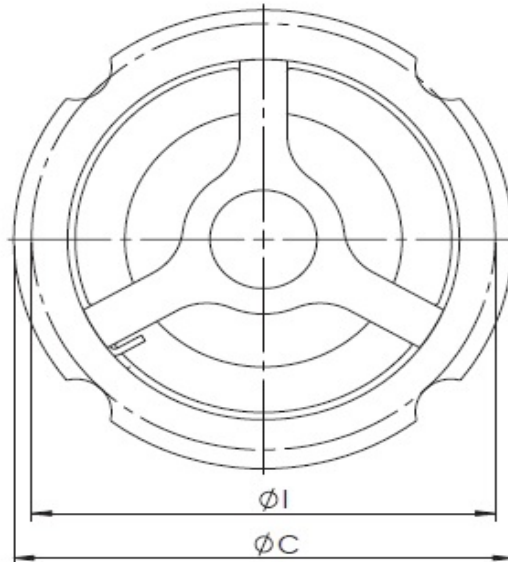
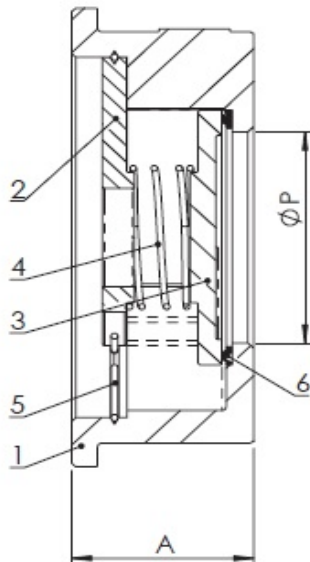
Design: EN13445, EN12334

Marking: EN19

Testing: 100% testing in accordance with EN 12266



	Component	Material
1	Body	EN GJL 250
2	Disc	ASTM A351 gr. CF8M
3	Star	ASTM A351 gr. CF8M
4	Spring	SS 316
5	Retaining ring	SS 316
6	Seat	NBR



DN	P	A EN558-1/49	C	Weight Kg	Cracking pressure mmH2O	Kv m3/h
15	15	16	-	-	674	4
20	20	19	-	-	648	6
25	25	22	-	-	649	12
32	32	28	81	0.49	685	20
40	33	31.5	91	0.64	549	27
50	43	40	106	1.06	565	40
65	58	46	126	1.59	565	75
80	70	59	141	2.30	600	110
100	91	60	162	3.30	600	180
125	102	90	192	6.90	380	230
150	120	106	218	10.0	320	330



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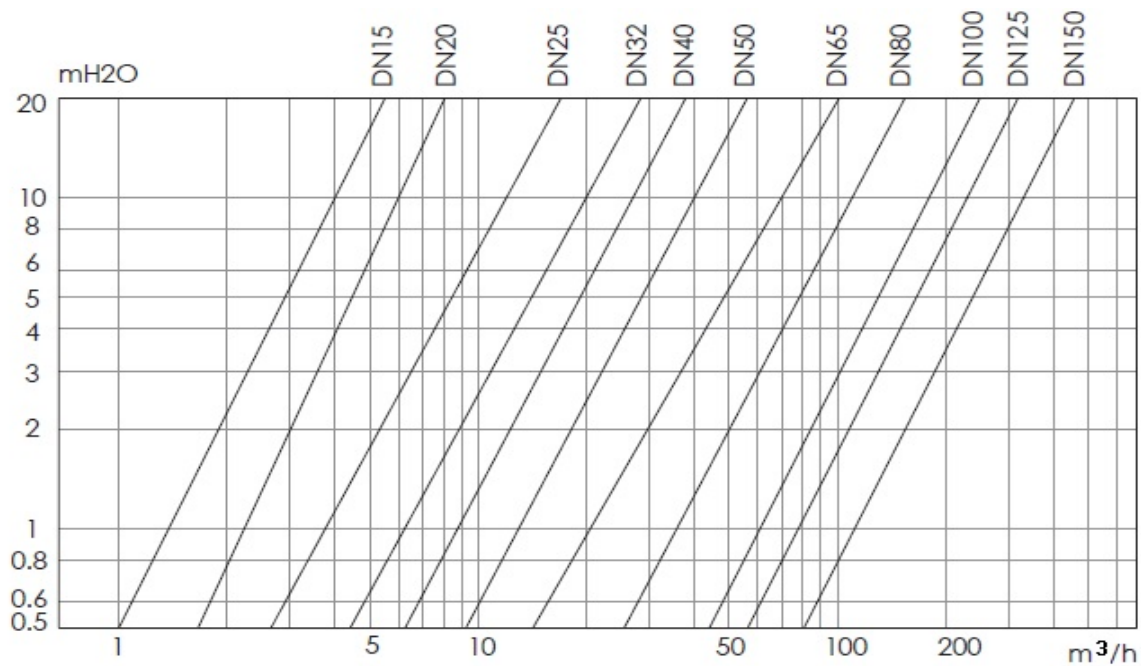
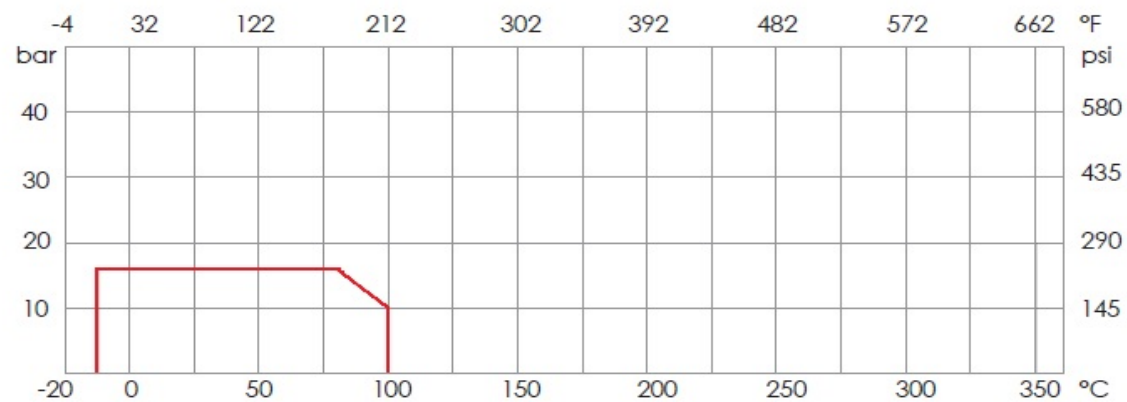
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	Maximum pressure
Non-hazardous gas	16 bar
Hazardous liquids	16 bar DN15-125; 10 bar DN 150
Non-hazardous liquids	16 bar
<i>Hazardous gas, liquids (explosive, inflammable, toxic) in accordance with 97/23/CE PED and 67/548/EEC</i>	
Minimum pressure	refer to chart
Minimum counterpressure	0,1 bar

Fluid temperature: min -10°C; continuous max 100°C; peak max 110°C

Note: the maximum working pressure decreases while the temperature increase; please refer to "pressure/temperature chart"

Pressure/temperature chart



Head loss - Fluid: water (1m H2O = 0,098 bar)