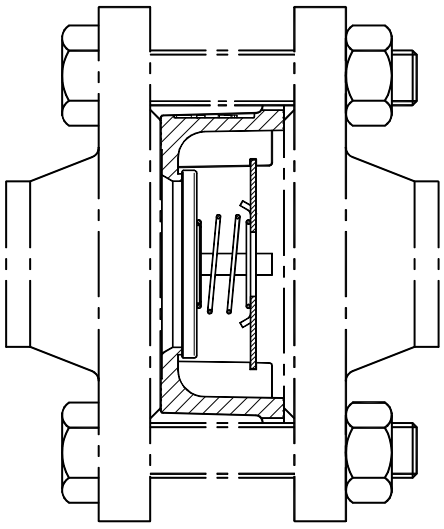
WAFER-TYPE NON-RETURN VALVE
RD40 DN15 – DN100

DESCRIPTION
The RD40 all stainless steel disc check valve has a compact design and was specially designed for use with steam and hot condensate.
Connections are flanged (wafer type)



MAIN FEATURES
Low pressure drop.
Simple and compact design.
Overall lengths according to DIN 3202 part 3-K4

OPTIONS:	Soft sealing : EPDM (E), NBR (N), VITON (V), PTFE (T). Inconel springs
USE :	Saturated steam, water and other gases (Group 2) compatible with the construction
AVAILABLE MODELS :	RD 40
SIZES :	DN 15 to DN 100
CONNECTIONS :	Sandwiched between flanges as per EN 1092 or ANSI.
INSTALLATION :	Horizontal or vertical installation See IMI, installation and maintenance instructions.
RATING :	PN 25 / PN 40
LIMIT OF OPERATION:	As per EN 1092

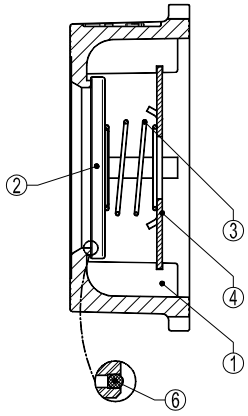


Recommended limit of operation with soft seats (ºC)			
EPDM (E)	NBR (N)	VITON (V)	PTFE (T)
130º	95º	180º	180º

CE MARKING (PED - European Directive 97/23/EC)		
PN 25	PN 40	Category
DN15 to DN40	DN15 to DN32	SEP - art. 3, paragraph3
DN50 to DN100	DN40 to DN80	Category 1 (CE Marked)
-	DN100	Category 2 (CE Marked)

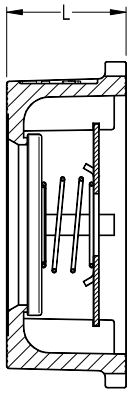
We reserve the right to change the design and material of this product without notice.

DIMENSIONS (mm)									
DN	***15***	***20***	***25***	***32***	***40***	***50***	***65***	***80***	***100***
D1	43	53	64	75	86	96	115	132	152
D2	50	60	70	81	91	105	126	141	167
L	17	20	23	28	32	40	46	50	60
Kgs	0,18	0,2	0,25	0,5	0,7	1,3	1,7	2,8	4,5

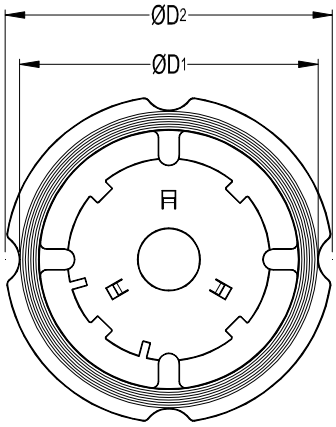


MATERIALS		
POS.	***DESIGNATION***	***MATERIAL***
1	Valve body	CF8M / 1.4408
2	*Disc	AISI316 / 1.4401
3	*Spring	AISI302 / 1.4300
4	Star	AISI316 / 1.4401
6	* Soft seal	See options

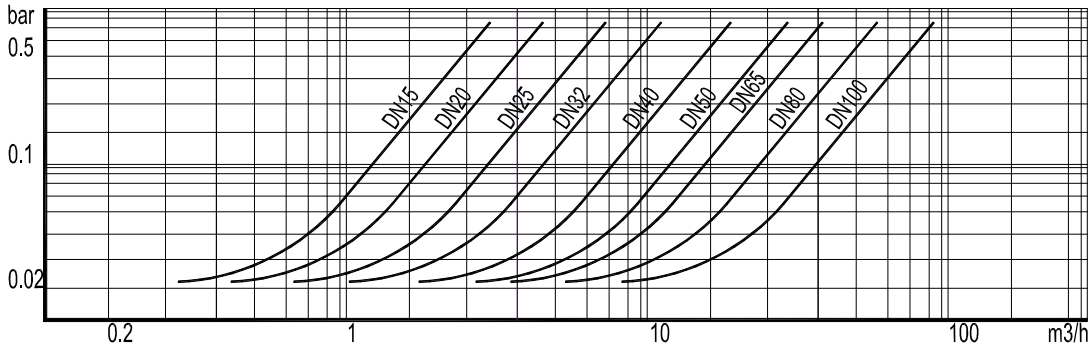
*Available spare parts



Minimum opening pressures with standard spring in mbar									
DN		***15***	***20***	***25***	***32***	***40***	***50***	***65***	***80***	***100***
D.P.	↑	25	25	25	27	28	29	30	31	33
D.P.	→	23	23	23	24	25	25	26	26	27
D.P.	↓	21	21	21	21	21	21	21	21	21
*D.P.	↑	2	2	2	3	4	4	5	5	6
* Vertical installation without springs (bottom to top). → Flow direction.										



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



To determine the pressure drop of other mediums the equivalent water flow volume has to be calculated: $V_W = \sqrt{\frac{Q}{1000}} \times V$

Vw = Equivalent water flow volume in m3/h ; Q = Density in Kg/m3 ; V = Flow volume in m3/h

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