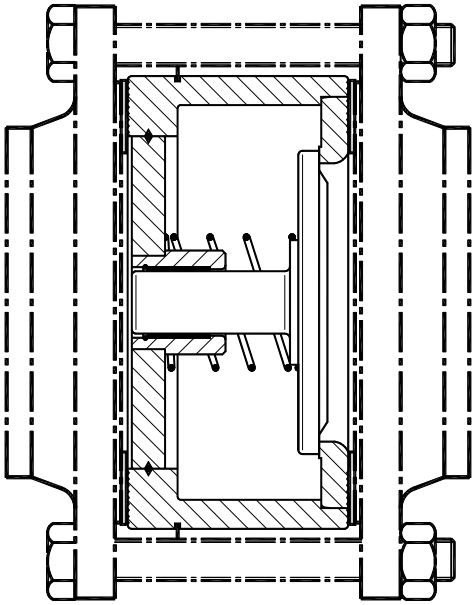
WAFER-TYPE NON-RETURN VALVE
RD 40 DN 125 – DN 200



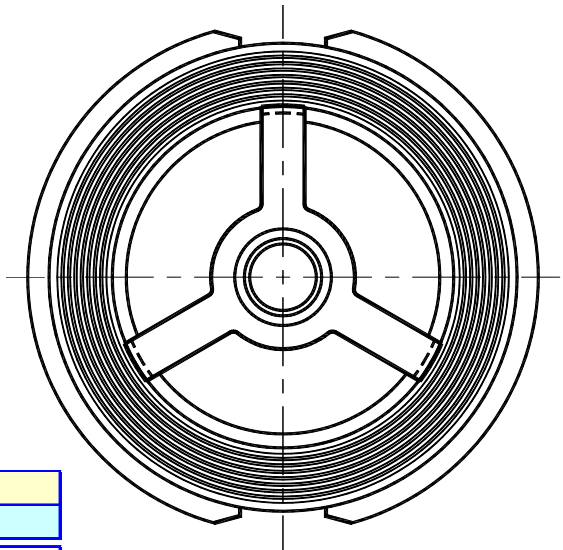
DESCRIPTION

The RD40 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

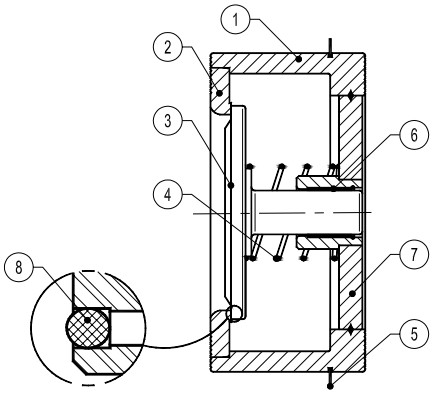
OPTIONS:	Soft sealing : EPDM (E), NBR (N), VITON (V), PTFE (T). Inconel springs
USE :	Saturated steam, water and other gases (Group 2) compatible with the construction
AVAILABLE MODELS :	RD 40
SIZES :	DN 125 to DN 200
CONNECTIONS :	Sandwiched between flanges as per EN 1092 or ANSI.
INSTALLATION :	Horizontal or vertical installation .See IMI, installation and maintenance instructions.
RATING :	PN 10 / PN 40
LIMIT OF OPERATION:	As per EN 1092



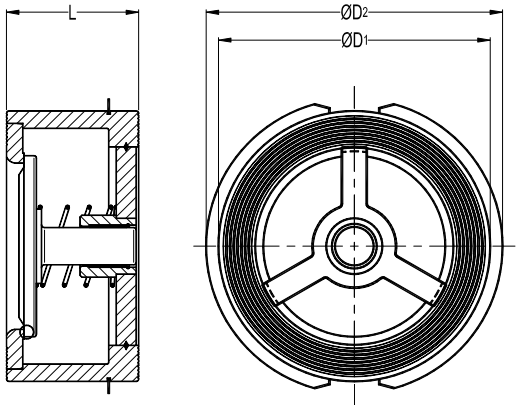
Recommended limit of operation with soft seats (ºC)			
EPDM (E)	NBR (N)	VITON (V)	PTFE (T)
130º	95º	180º	180º

CE MARKING (PED - European Directive 97/23/EC)			
PN 10/16	PN 25	PN 40	Category
DN125 to DN200	DN125	/	Category 1 (CE marked)
/	DN150-DN200	DN125	Category 2 (CE marked)
/	/	DN150-DN200	Category 3 (CE marked)

DIMENSIONS (mm)							
DN	***D1 PN10/16***	***D2 PN25***	***D2 PN40***	***D2 ANSI150***	***D2 ANSI300***	***L***	***Weight Kgs***
125	192	192	192	192	216	90	11
150	218	226	226	218	251	106	13,5
200	273	286	293	273	308	140	24

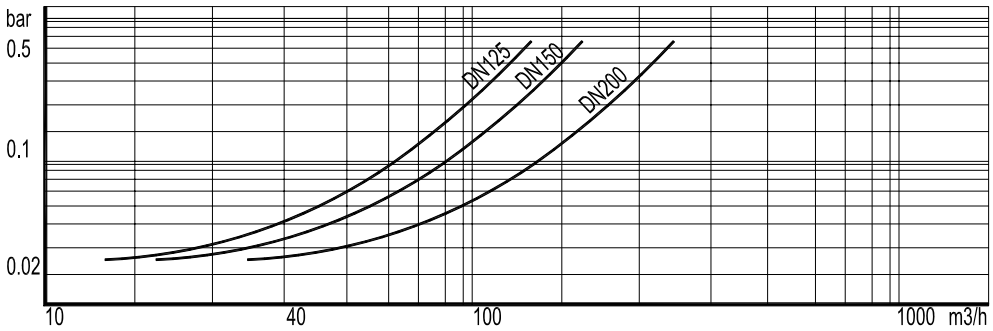


MATERIALS		
POS.	***DESIGNATION***	***MATERIAL***
1	Valve body	S355J2G3 / 1.0570
2	Seat	AISI316 / 1.4401
3	*Disc	AISI316 / 1.4401
4	*Spring	AISI302 / 1.4300
5	Centering ring	AISI304 / 1.4301
6	Bearing	Steel Fe Zn
7	Star	S355J2G3 / 1.0570
8	*Soft seal	See options
*Available spare parts		



Minimum opening pressures with standard spring in mbar				
DN		***125***	***150***	***200***
D.P.	↑	37	40	46
D.P.	→	22	25	28
D.P.	↓	7	10	10
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