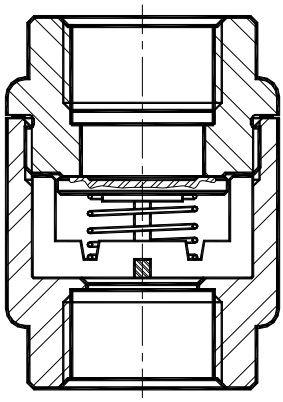
NON-RETURN VALVE
RT25



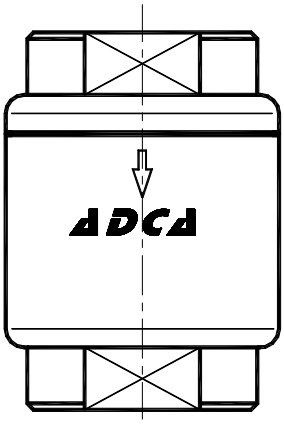
DESCRIPTION
The RT25 all stainless steel disc check valve has a compact design and was specially designed for use with steam and hot condensate.
Connections are female screwed

MAIN FEATURES
Low pressure drop.
Simple and compact design.

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 :	RT 25
SIZES :	DN 3/8" to DN 2"
CONNECTIONS :	Female screwed ISO 7/1 Rp (BS21)
INSTALLATION :	Horizontal or vertical installation See IMI, installation and maintenance instructions.
RATING :	PN 25



PMA – Max. allowable pressure	32 bar
TMA – Max. allowable temperature	250 ºC
PMO – Max. operating pressure	21 bar
TMO – Max. operating temperature	220 ºC

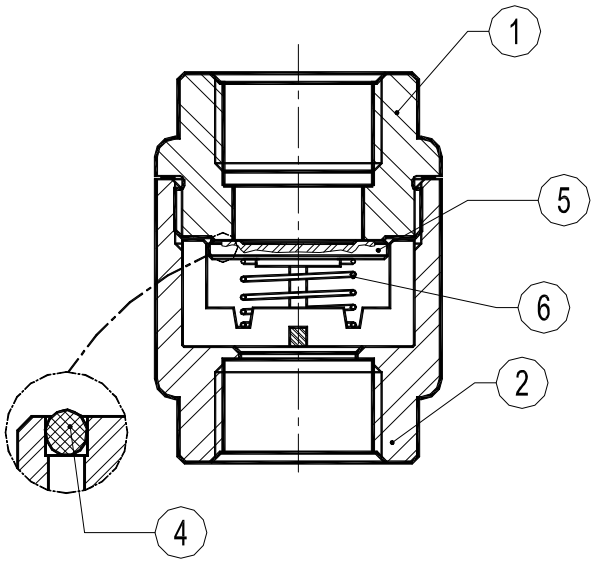


Recommended limit of operation with soft seats (ºC)			
EPDM (E)	NBR (N)	VITON (V)	PTFE (T)
130º	95º	180º	180º

CE MARKING	
PN 25	Category
DN3/8" to DN 11/2"	SEP - art. 3, paragraph3
DN 2"	Category1 (CE marked)

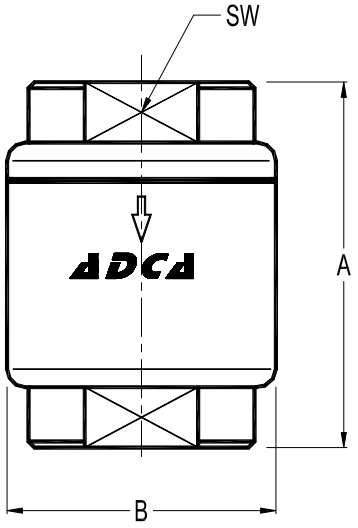
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DIMENSIONS (mm)							
DN	***3/8"***	***1/2"***	***3/4"***	***1"***	***11/4"***	***11/2"***	***2"***
A	55	55	60	70	61	72	72
B	40	40	45	50	65	80	80
SW	27	27	32	41	50	55	70
Kgs	0,3	0,3	0,38	0,54	0,68	0,96	1,13



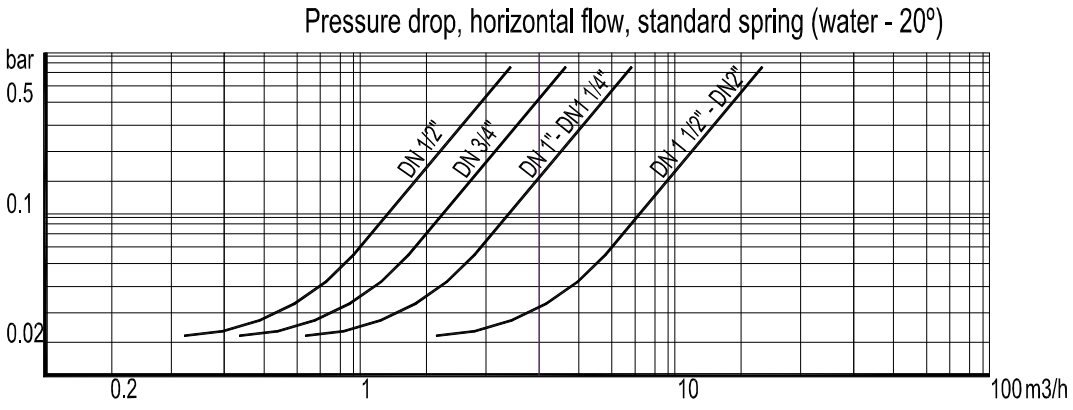
MATERIALS		
POS.	***DESIGNATION***	***MATERIAL***
1	Valve body	AISI316 / 1.4401
2	Cover	AISI316 / 1.4401
4	*Soft seal	See options
5	*Valve disc	AISI316 / 1.4401
6	*Spring	AISI302 / 1.4300

*Available spare parts



Minimum opening pressures with standard spring in mbar								
DN		***3/8"***	***1/2"***	***3/4"***	***1"***	***11/4"***	***11/2"***	***2"***
D.P.	↑	25	25	25	25	25	28	29
D.P.	→	23	23	23	23	24	25	25
D.P.	↓	21	21	21	21	21	21	21
*D.P.	↑	2	2	2	2	3	4	4

* Vertical installation without springs (bottom to top). →Flow direc



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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