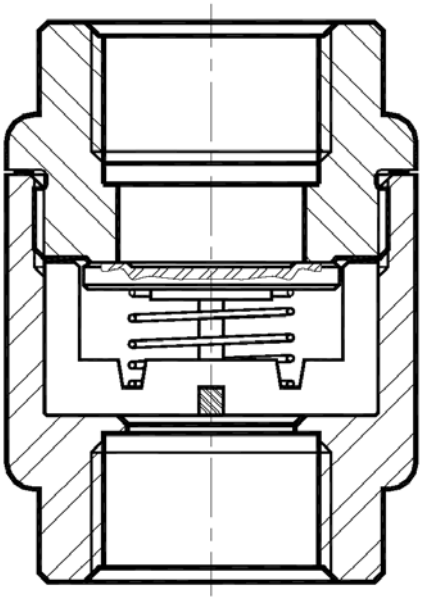
Non - Return Valve RT 25

Description
The RT 25 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.

Option : 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

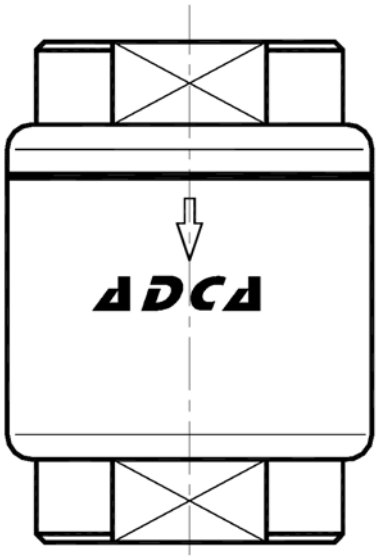
Available Models : RT 25

Sizes : DN 3/8" to DN 2"

Connections : Female screwed ISO 7/1Rp (BS21)

Installation : Horizontal or vertical installation.
See IMI installation and maintenance instructions.

Rating : PN 25



PMA : Max.allowble pressure	32 bar
TMA : Max.allowble temperature	250 °C
PMO : Max.operating pressure	21 bar
TMO : Max.operating temperature	220 °C

Materials :

Pos.NR.	Designation	Material
1	Body	Stainless steel
2	Cover	Stainless steel
3 *	Gasket	TEFLON
5 *	Valve disc	Stainless steel
6 *	Spring	Stainless steel

* Available spare parts

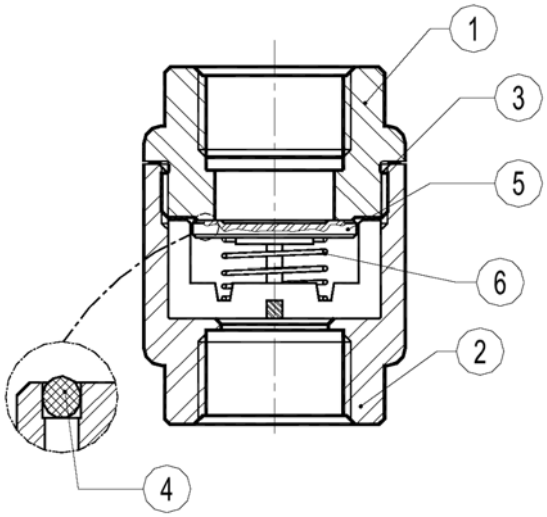
Dimensions (mm)

size DN	A	B	SW	Weight kg
3/8"	55	40	27	0.3
1/2"	55	40	27	0.3
3/4"	60	45	32	0.38
1"	70	50	41	0.45

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

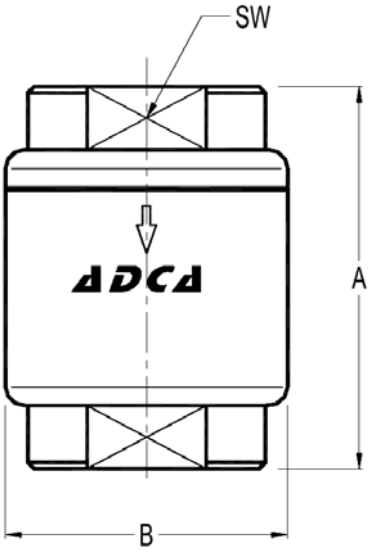
CE MARKING	
PN 25	**Category**
DN3/8" to DN 1-1/2"	SEP - art. 3, paragraph3
DN 2"	Category1 (CE marked)

DIMENSIONS (mm)							
DN	***3/8"***	***1/2"***	***3/4"***	***1"***	***1-1/4"***	***1-1/2"***	***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	AISI 316
2	Cover	AISI 316
4 *	Soft seal	See options
5 *	Valve disc	AISI 316
6 *	Spring	AISI 302

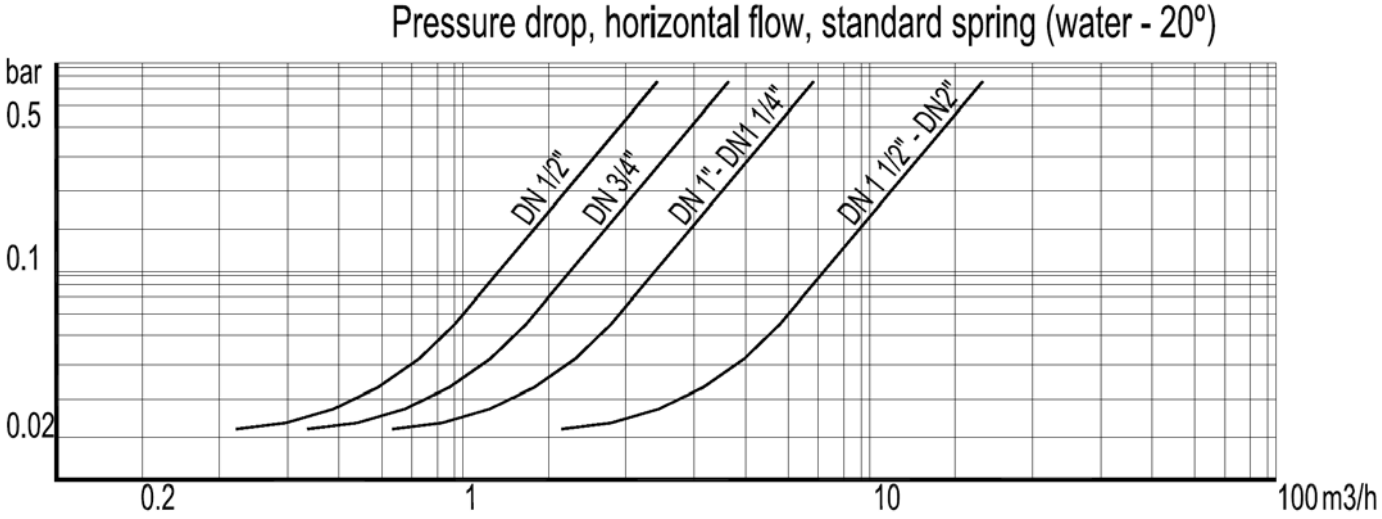
*Available spare parts



Minimum opening pressures with standard spring in mbar								
DN		***3/8"***	***1/2"***	***3/4"***	***1"***	***1-1/4"***	***1-1/2"***	***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 direction.



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