NON-RETURN VALVES
RT25

DESCRIPTION

The RT25 all stainless steel disc check valves have a compact design and were specially designed for use with steam and hot condensate.

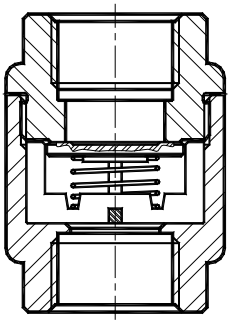
MAIN FEATURES

Low pressure drop.
Simple and compact design.

OPTIONS: Various options of soft sealing:
EPDM (E), NBR (N), VITON (V), PTFE (T).
Inconel springs.

USE: Saturated steam, water and other gases compatible with the construction.

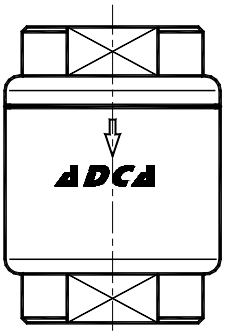
AVAILABLE MODELS: RT25.



SIZES: 1/4” to 2”.

CONNECTIONS: Female threaded ISO 7 Rp.

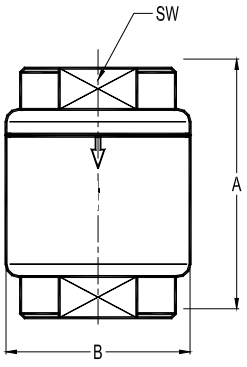
INSTALLATION: Horizontal or vertical installation.
See IMI – Installation and maintenance instructions.

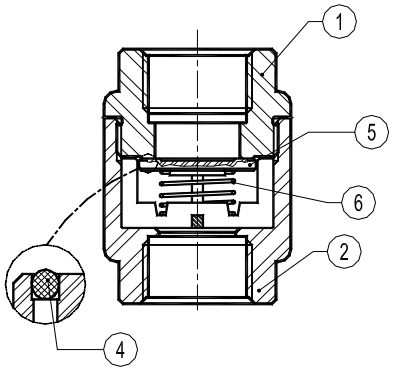


LIMITING CONDITIONS	
Body design conditions	PN25
Maximum allowable pressure	25 bar
Maximum allowable temperature	250 ºC
Maximum operating pressure	21 bar
Maximum operating temperature	220 ºC

DIMENSIONS (mm)			
EPDM (E)	**NBR (N)**	**VITON (V)**	**PTFE (T)**
130 ºC	95 ºC	180 ºC	180 ºC

CE MARKING – GROUP 2 (PED – European Directive)	
PN25	**Category**
1/4” to 11/2”	SEP
2”	1 (CE marked)





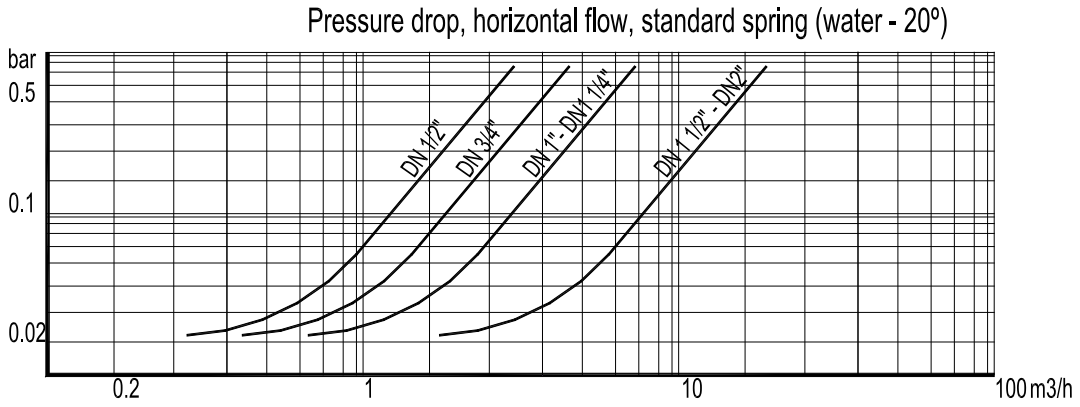
DIMENSIONS				
SIZE	**A**	**B**	**SW**	**WEIGHT (kg)**
1/4”	55	40	27	0,3
3/8”	55	40	27	0,3
1/2”	55	40	27	0,3
3/4”	60	45	32	0,38
1”	70	50	41	0,54
11/4”	61	65	50	0,68
11/2”	72	80	55	0,96
2”	72	80	70	1,13

MATERIALS		
POS. Nº	**DESIGNATION**	**MATERIAL**
1	Body	AISI 316 / 1.4401
2	Cover	AISI 316 / 1.4401
4	* Soft seal	EPDM; NBR; VITON; PTFE
5	* Valve disc	AISI 316 / 1.4401
6	* Spring	AISI 302 / 1.4300

* Available spare parts.

MINIMUM OPENING PRESSURES WITH STANDARD SPRING (mbar)				
SIZE	**D.P. ↑**	**D.P. →**	**D.P. ↓**	**D.P. * ↑**
1/4”	25	23	21	2
3/8”	25	23	21	2
1/2”	25	23	21	2
3/4”	25	23	21	2
1”	25	23	21	2
11/4”	25	24	21	3
11/2”	28	25	21	4
2”	29	25	21	4

→ : Flow direction;
* Vertical installation without springs (bottom to top).



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