

Features

- Low pressure drop.
- Simple and compact design.
- Stainless steel body material
- Thread size of 3/4 in BSP (British Standard Pipe)
- Maximum working pressure of 25 bar
- Single type

RS PRO Stainless Steel Single Non Return Valve

RS Stock No.: 720-9273, 720-927, 720-9282



RS PRO Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

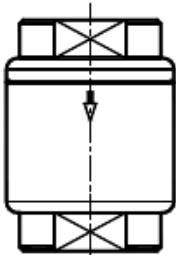
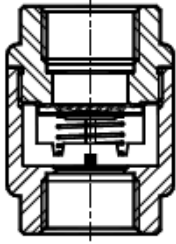
The RS PRO all stainless-steel disc check valve has a compact design and was specially designed for use with steam and hot condensate. Connections are female screwed

General Specifications

Options	Soft sealing: EPDM (E), NBR (N), VITON (V), PTFE (T).
Use	Inconel springs Saturated steam, water and other gases (Group 2) compatible with the construction.
Available models	
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
Notes	RS 720-9279 is the standard version with metal-to-metal sealing, without soft seats. The max. operating temperature is therefore 220°C.

Operating Environment Specifications

PMA - Max. Allowable pressure	32 bar
TMA - Max. Allowable temperature	250 °C
PMO - Max. Operating pressure	21 bar
TMO -Max. Operating temperature	220 °C



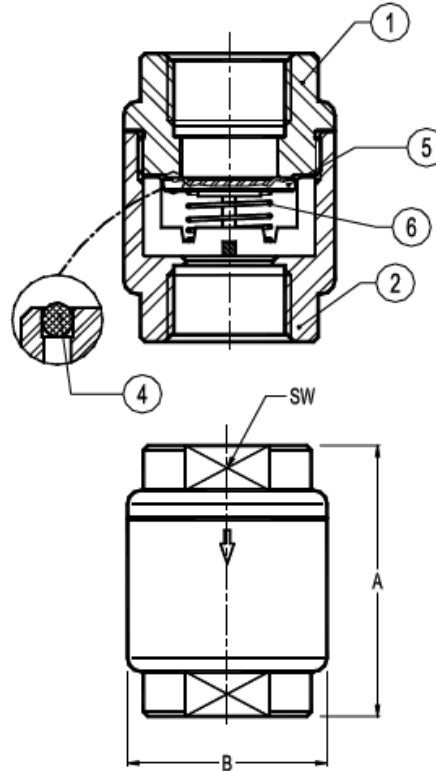
Recommended limit of operation with soft seats (°C)			
EPDM (E)	NBR (N)	VITON (V)	PTFE (T)
130°	95°	180°	180°

CE MARKING	
PN 25	Category
DN3/8" to DN 1 1/2"	SEP - art. 3, paragraph 3
DN 2"	Category 1 (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

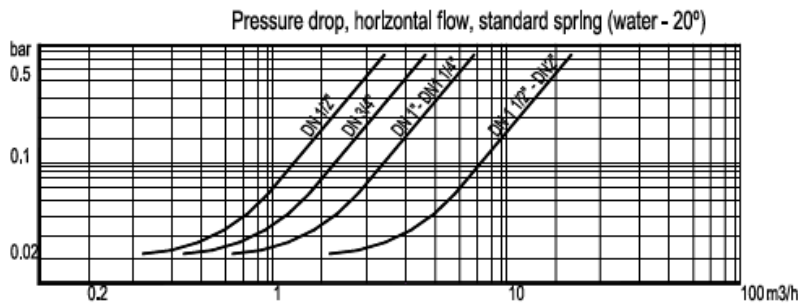
MATERIALS		
POS.	DESIGNATION	MATERIAL
1	Valve body	AISI316 / 1.4401
2	Cover	AISI316 / 1.4401
4	*Soft seal	See options
5	*Valve disc	AISI316 / 1.4401
6	*Spring	AISI302 / 1.4300

*Available spare parts



Minimum opening pressures with standard spring in mbar							
DN	3/8"	1/2"	3/4"	1"	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 direc



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

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