

PRESSURE REDUCING VALVES

RDP 906



- Design with plastic materials ND10 to ND25
- Body: PP, fiber glass reinforced
- Diaphragm: EPDM, PTFE coated
- Adjustable trigger point: 1 to 9 bar

APPLICATIONS

- Protection of low pressure piping

DESCRIPTION

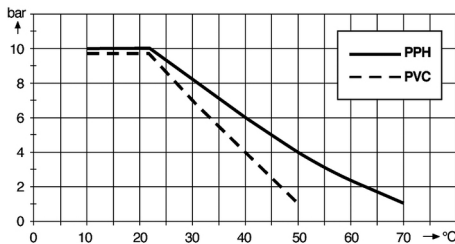
A valve RDP 906 maintains constant the downstream pressure at the adjusted value when a higher upstream pressure occurs.

The EPDM diaphragm, PTFE coated, separates mechanical parts from flow cell. All wet parts are in plastics, no external metallic parts, this design allows installing RDP 906 in aggressive, corroding ambients. Seat seal and O-rings are of EPDM or of FPM (according the application).

RDP 906 may be fitted in-line in any position.

TECHNICAL FEATURES

Body	PPG (polypropylene glass fibre reinforced)
Diaphragm	EPDM, PTFE coated
Sealing	EPDM or FPM
Adjustable trigger value	From 1 to 9 bar
Nominal pressure	PN 10 (at 20 °C)
	<i>See the diagramme: Limits of pressure vs. temperature</i>
Fittings	ND 10, 15, 20 and 25
Spring and screws	Stainless steel



Limits of pressure vs. temperature

CODE NUMBERS AND DESCRIPTION

Fittings: PVC Unions, solvent welding – Seat seal and O-rings or EPDM or FPM		
ND	Code: PVC Union – Sealing: EPDM	Code: PVC Union – Sealing: FPM
10	906 001	906 011
15	906 002	906 012
20	906 003	906 013
25	906 004	906 014

Fittings: PPH, fusion welding – Seat seal and O-rings or EPDM or FPM		
ND	Code: PPH Unions – Sealing EPDM	Code: PPH Unions – Sealing FPM
15	906 102	906 112
20	906 103	906 113
25	906 104	906 114

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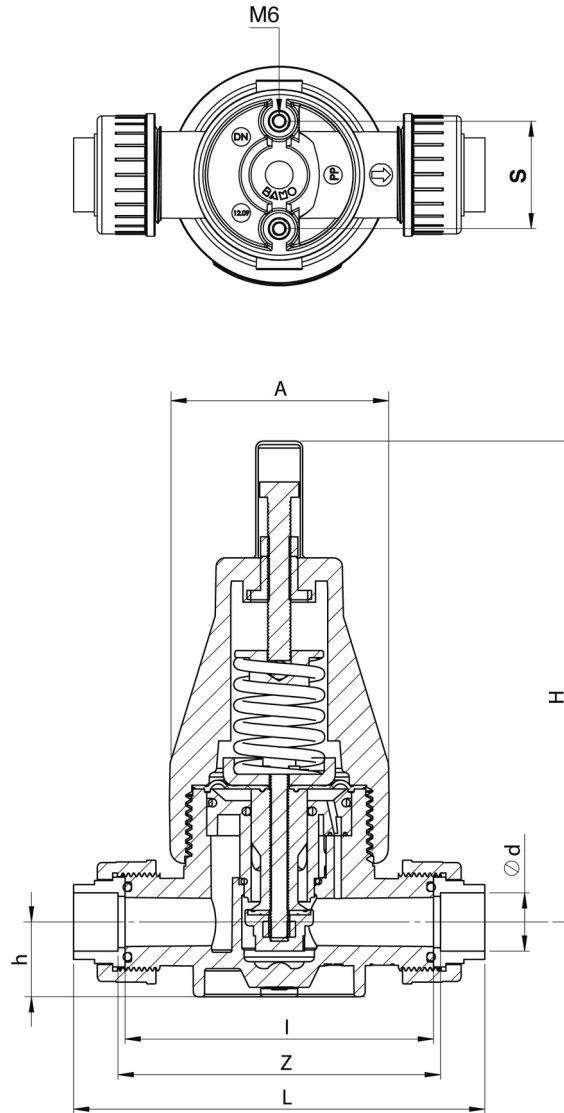
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DIMENSIONS – FLOW LIMIT



- Dimensions in mm

ND	d	A	H	h	I	S	Z – PVC / PPH	L – PVC / PPH	Flow-rate (l/h) *	Mass [g]
10	16	80	186	24	112	40	118 / ---	147 / ---	900	520
15	20	80	186	24	112	40	118 / 118	152 / 151	2000	530
20	25	94	210	32	132	46.5	138 / 138	176 / 175	3500	930
25	32	94	210	32	132	46.5	138 / 138	182 / 179	5500	960

*: Flow-rates Max. are for liquid max. speed of about 3 m/s (water at 20 °C)
 The speed of 3 m/s may be considered as a maximum (water at 20 °C); Above, the plastic devices will be damaged.

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