

Pressure relief valve SDD 911



- Plastic design, from ND 15 to ND 25
- Protection of pumps and process pipes
- Body: PPG, Glass fiber reinforced polypropylene
- Diaphragm: EPDM, PTFE coated
- Adjustable range: from 0.5 to 10 bar

APPLICATIONS

- Water treatment plants (neutral and aggressive liquids)

DESCRIPTION

The SDD 911 is used to maintain a constant pressure upstream in the event of pressure variation greater than the set pressure..

All wet parts are made of plastic components. The EPDM diaphragm, PTFE coated, separates the mechanical parts from liquid circuit. Seat and O-ring seals are in EPDM or FPM (according to application). All wet parts are in plastics, no external metallic parts, allowing to install SDD 911 in aggressive, corroding ambients.

SDD 911 can be used as a relief pressure valve or as a holding pressure valve. It can be mounted in-line or as a bypass, according the application, in any position.

Caution: Not suitable as a valve with safety function requested in accordance with the EC Pressure Equipment Directive.

TECHNICAL FEATURES

Trigger point adjustment from 0.5 to 10 bar by steps of 0.5 bar
Hysteresis About 0.3 bar

Materials:

Body PPG, fiber glass reinforced polypropylene
Diaphragm EPDM, PTFE coated
Seat seal EPDM or FPM
Spring and screws Stainless steel
Fittings PVC unions (solvent welding) or PP (fusion welding)
Pressure 10 bar max. at 20 °C
See also: Diagram Pressure vs. Temperature

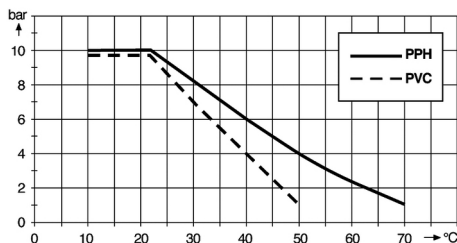


Diagram: Pressure vs. temperature

Flow-rate max.

ND	Flow-rate (l/h)	Kv (l/h) **
15	2000	2380
20	3500	6160
25	5500	7870

* These upper limits of flow rates correspond to a speed of 3 m/s This speed is a maximum not to be exceeded for plastic devices. Beyond 3 m/s, the valves deteriorate rapidly.

** : Values shown for water at 20 ° C.

Refer to instructions manual to view all the operating curves of the valves according to the nominal diameter.

BAMO INTERNATIONAL

22, Rue de la Voie des Bans · Z.I. de la gare · 95100 ARGENTEUIL
Tel +33 (0)1 30 25 83 20 Web www.bamo.eu
Fax +33 (0)1 34 10 16 05 E-mail export@bamo.fr

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SDD 911

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CODE NUMBERS AND REFERENCES

PVC unions for solvent welding - Sealings EPDM or FPM

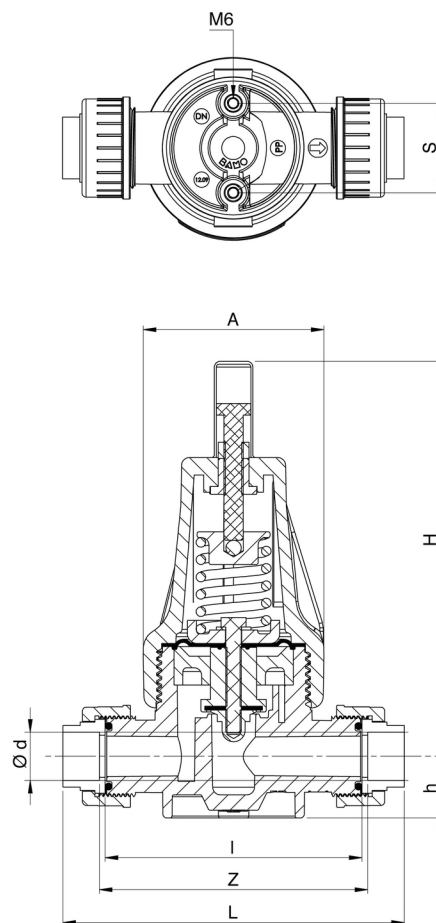
	EPDM sealing	FPM sealing
ND 15	911 002	911 012
ND 20	911 003	911 013
ND 25	911 004	911 014

PPH unions for fusion welding - Sealings EPDM or FPM

	EPDM sealing	FPM sealing
DN 15	911 102	911 112
DN 20	911 103	911 113
DN 25	911 104	911 114

Other fittings on request

DIMENSIONS in mm



DN	d	A	H	h	I	S	Z - PVC / PPH	L - PVC / PPH	Mass (kg)
15	20	80	186	24	112	40	118 / 118	152 / 151	0.53
20	25	94	210	32	132	46.5	138 / 138	176 / 175	0.93
25	32	94	210	32	132	46.5	138 / 138	176 / 175	0.96

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