



LPRV type STAINLESS STEEL
LOW PRESSURE REDUCING VALVE

Model/Ref: 243001



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Without Limits.*

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LPRV type STAINLESS STEEL LOW PRESSURE REDUCING VALVE

CHARACTERISTICS

The LPRV Elite stainless steel low pressure reducing valve is dedicated to the pressure relief of fluids such as water, air, unloaded liquids and incompatible gases below a pressure of 200 mbar. FKM tightness, stainless steel construction. The screw enables the adjustment of the downstream pressure. The reduced pressure can be checked thanks to the pressure gauge. This device only works following the direction of the arrow on the body. The LPRV is suitable for clean fluids with no particles and has to be protected by a filter upstream.

AVAILABLE ITEMS

1/2" to 2" BSP threaded connections stainless steel LPRV
 Downstream adjustment range: 0.2 – 1.5 bar

LIMITS OF USE

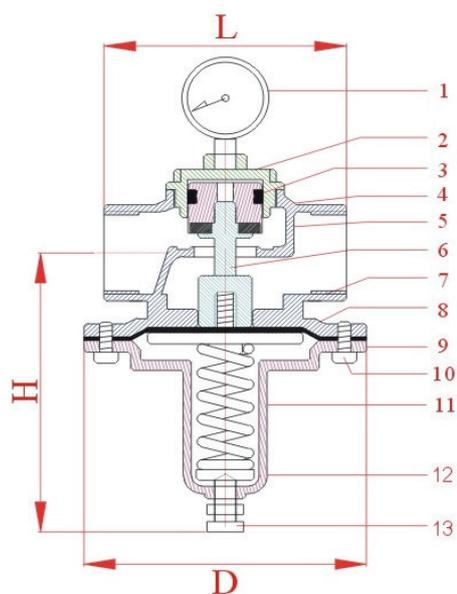
Max. allowable pressure (PS)	10 bar
Allowable temperature (TS)	-15 °C / +100 °C

CATEGORY ACCORDING TO EC 97/23 DIRECTIVE

Excluded (Article 3, §3) – Prohibited use on gases from group 1

CONSTRUCTION

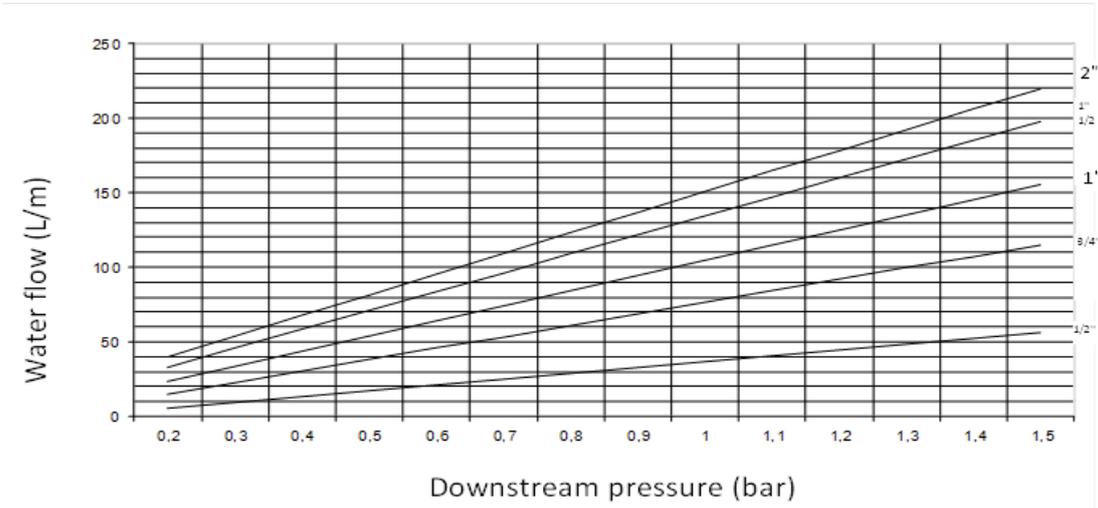
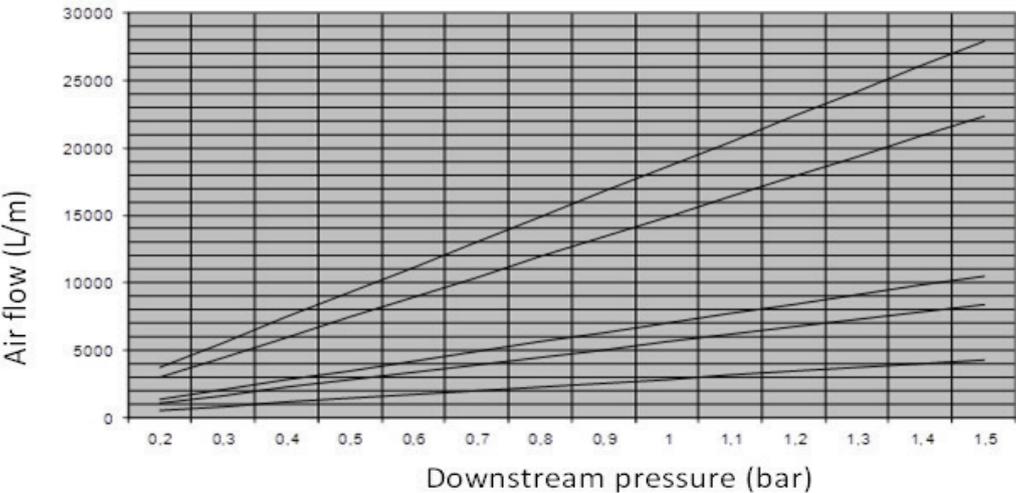
1	Manometer	Stainless steel 1/4"
2	Cover	Stainless steel 316
3	Gasket	FKM
4	Piston	Stainless steel 316
5	Disc	Stainless steel 316/FKM
6	Stem	Stainless steel 316
7	Body	Stainless steel 316
8	Diaphragm	FKM
9	Spring rod	Stainless steel 316
10	Screw	Stainless steel 304
11	Spring	Spring steel
12	Spring base	Brass
13	Adjustment screw	Stainless steel 304



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DIMENSIONS (mm)

DN	H	L	D	Kv
1/2"	110	70	105	2.05
3/4"	125	85	105	7.69
1"	125	90	105	9.40
1"1/2	155	115	145	17.95
2"	155	120	145	21.37

FLOW: SIZING CHART FOR WATER

FLOW: SIZING CHART FOR AIR


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MOUNTING AND MAINTENANCE

1. Mounting

Please check if the pressure range indicated on the body matches the working conditions requirements

Please shut off the up and downstream valves, depressurize the piping and lower the installation temperature to room temperature before any mounting/service.

Install a filter upstream and a control valve upstream and downstream

Carefully remove any particle remaining on the piping by clearing with water or blowing with compressed air.

Install the pressure reducer following the direction of the arrow on the body, and with the manometer heading upwards.

Check the manometer pressure tightness.

Open the up and downstream valves.

To adjust the downstream pressure, please use the adjusting screw (*mark 15 on the drawing page 1*) and the manometer pressure indication.

2. Maintenance

Before any intervention, please shut the up and downstream pipes off using the isolating valves.

Depressurize the piping and lower the installation temperature to room temperature.

Completely unscrew the adjustment screw (*mark 13*).

Remove the upstream filter cap and clean or replace the strainer.

For a complete check of the device, separate the cover (*mark 2*) from the spring rod (*mark 9*).

Check the condition of the gaskets (*mark 3*) and (*mark 8*) and replace them if necessary.

Check the condition of the spring (*mark 11*) and replace it if broken.

Clean all the internal parts. Re-install the dismantled parts in the reverse order.

Put the device back to operation by slowly opening the upstream valve, and then the downstream valve.

Re-adjust the outlet pressure using the screw (*mark 13*).

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