

# 10L

Relief valve  
Nominal diameter 1"

## Applications

- Industrial
- Distribution

## Brief information

Model 10L valve has a designed-in aspirating characteristic that minimizes system pressure rise during relief valve operation. The relief valve curves indicates a drop-in relief pressure with increasing flow followed by a gradual rise as the valve strokes to full open position.

According to the Pressure Equipment Directive (PED) 97/23/EC the 10L relief valve is classified as Sound Engineering Practice (SEP).

## Set point recommendations

The relief valve set point should be sufficiently above the nominal system pressure to accommodate the relief valve operation characteristic. The suggested minimum set is 1.25 times the nominal system pressure.

### Material specifications

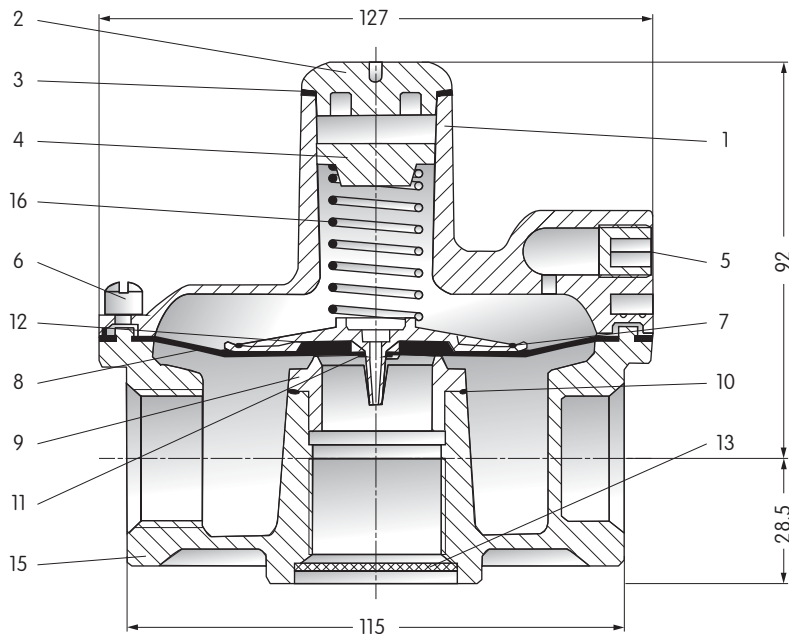
Body/cover	Aluminium
Bearings/orifice	Moulded plastic (POM)
Diaphragm	Reinforced nitrile synthetic rubber



## Main features

- Piping strength  
240 Nm at connection in any direction
- Reseat capability  
Reseating takes place at 80% of the set point
- Mount in any position
- Maximum working pressure 0.5 bar
- Maximum set pressure 500 mbar
- Temperature range -30 °C to +65 °C
- Connection 1"
- Threaded connection  
to EN 10226 (ISO 7)  
tapered
- Weight: 0.7 kg
- Set point flow  
Set points are made at 0.15 m<sup>3</sup>

## Dimensions



Dimensions in mm

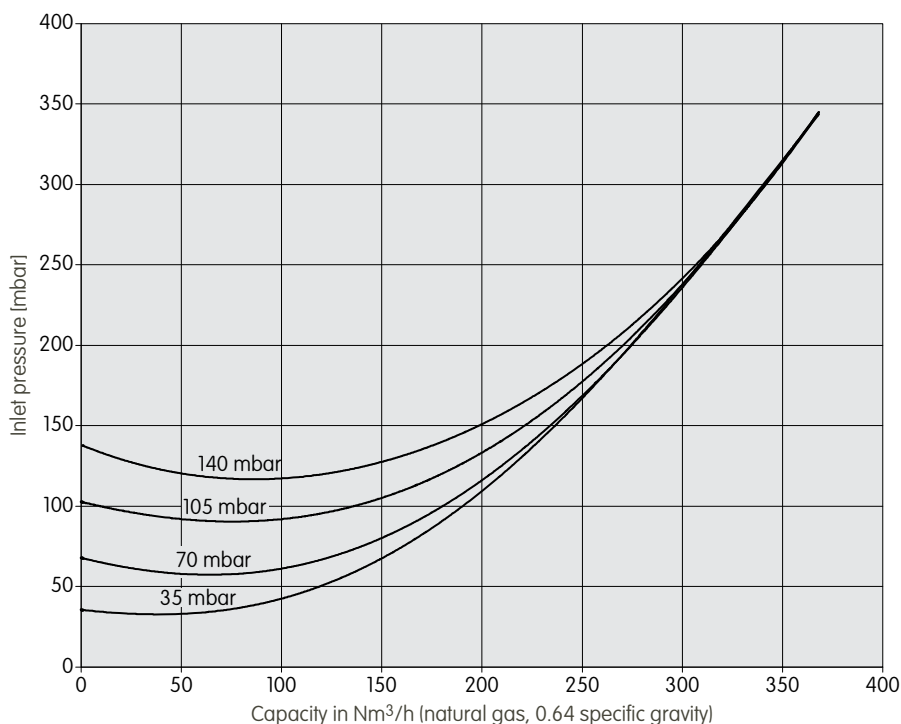
Item	Description	Part No. 888-888-...
1	Top	...542-112
2	Plug, seal	...512-106
3 *	Gasket, seal plug	...563-010
4	Screw, adjusting	...563-002
5	Plug, pipe	...542-107
6	Screw, body	...568-014
7 *	Plate, diaphragm	...542-101
8 *	Diaphragm	...542-103
9 *	Orifice	...542-102
10 *	Gasket, orifice	...542-110
11 *	Retainer, diaphragm	...542-111
12 *	Pad, back-up	...542-104
13	Screen, vent	...542-108
15	Body	...542-109
16	Spring **	**

\* Spare part set No. 888-888-116-011

\*\* Pressure ranges see following table

Spring pressure ranges (item 16)	Part No. 888-888-...	Colour
25 – 50 mbar	...542-001	-
50 – 100 mbar	...542-002	-
100 – 180 mbar	...513-063	purple
180 – 250 mbar	...512-004	orange/yellow
190 – 500 mbar	...513-064	orange/green
25 – 150 mbar	...512-003	black

## Capacity curves 10L



## Your contacts



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