



Pressure regulating valve

Size 0

482.10 A to 482.20

G 1/8

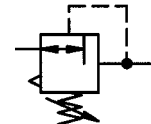
G 1/4

0,1 to 3 bar

0.5 to 6 bar

0.5 to 10 bar

0.5 to 16 bar



Characteristics

Order No.	482.10
Port	G 1/8
Order No.	482.20
Port	G 1/4
Pressure gauge port	G 1/8
Type of construction	Diaphragm pressure regulator with self-relieving design Virtually independent of inlet pressure
Max. input pressure p_1	25 bar
Control range p_2	0.1 to 3 bar / 0.5 to 6 bar / 0.5 to 10 bar / 0.5 to 16 bar
Mounting position	Any / note direction of arrow
Mounting type	Panel mounting, hole Ø30.5 Bracket
Medium temperature	Max. 60°C
Ambient temperature	Max. 60°C
Weight [g]	350 / 400 with pressure gauge

Ordering information

Type Port Control range

482.X0 X

Example: 482.20 C

Port	
10	G 1/8
20	G 1/4
Control range	
A	0.1 to 3.0 bar
B	0.5 to 6.0 bar
C	0.5 to 10.0 bar
D	0.5 to 16.0 bar

Description

- Standard design
- Double nipples (G1/8 or G1/4) required for block mounting with other devices
- Pressure setting can be locked by pushing the knob down
- Flow direction indicated by arrows
- **Entry in direction of arrow**
- Virtually independent of inlet pressure
- Pressure gauge Ø40 included, can be mounted at both ends
- Panel mounting with nut on cover
- Wall mounting with nut and mounting bracket on cover

Materials

Part	Material
Head piece (body)	Brass
Spring bonnet/adjusting screw	POM-brass
Diaphragm →	NBR-brass
Pressure spring	Galvanised steel
Valve cone →	NBR-brass
Counter-pressure spring	Stainless steel
O-ring 9 x 1.5 →	NBR
Valve seat	Brass

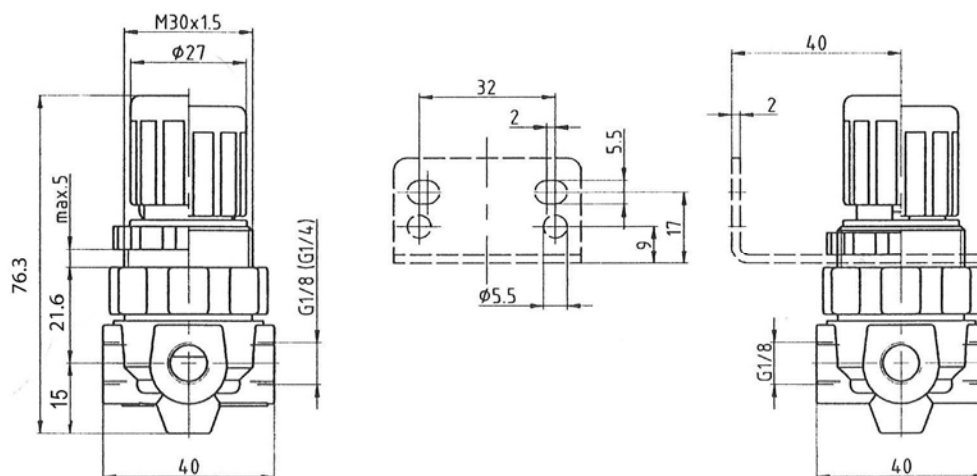
Accessories

Designation	Order No.
Nut M 30 x 1.5	R 11-55
Mounting bracket with nut	MV 30
Double nipple G 1/4	252.61
Double nipple G1/4 (conical)	252.301-N

Main spare parts

Part	Part No.
→ Set of wearing parts	22.482.4
- Diaphragm, compl.	
- Valve cone, compl.	
- O-ring 9 x 1.5	
Pr. gauge Ø40, G 1/8	
0 to 4 bar	110.44-KD
0 to 6 bar	110.45-KD
0 to 10 bar	110.46-KD
0 to 16 bar	110.47-KD

Dimensions [mm]



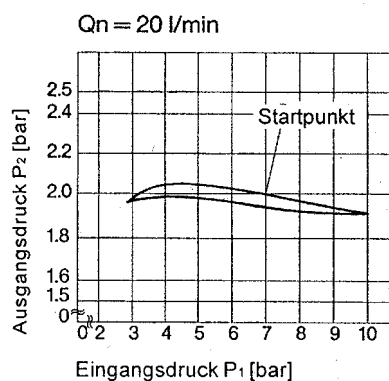
Flow rates

Flow rates at $p_1 = 8 \text{ bar}$

Art. No.		482.10 A 482.10 B	482.10 C 482.10 D	482.20 A 482.20 B	482.20 C 482.20 D
Output pressure $p_2 = 6 \text{ [bar]}$	QN m^3/h	19,8	19,8	19,8	19,8
Nominal flow ($\Delta p = 1 \text{ bar}$)	QN l/min	330	330	330	330

Hysteresis

Hysteresis of p_2 as a function of rising (falling) p_1 at a constant draw-off rate QN 20 l/min
 Basic setting (starting point): $p_1: 7.0 \text{ bar}$
 $p_2: 2.0 \text{ bar}$



Flow characteristic

Control range 0.5 to 10 bar

