



## Pressure regulator

Size 5

**637.75 to 637.88**

G 1½ (red.)

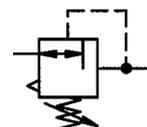
G 2

0.5 to 6 bar

0.5 to 10 bar

0.5 to 16 bar

0.5 to 25 bar



### Characteristics

Article No.	637.85	637.86	637.87	637.88
Ident No.	101140	101141	101142	101143
Port	<b>G 2</b>			
Article No.	637.75	637.76	637.77	637.78
Ident No.	101136	101137	101138	101139
Port	<b>G 1½ (reduced)</b>			
Pressure gauge port	G 1/4			
Type of construction	Diaphragm pressure regulator with self-relieving design <b>- Pilot-controlled</b>  <b>Special versions on request</b> e.g. - Reverse flow port closed			
Max. input pressure p <sub>1</sub>	<b>40 bar</b>			
Control range p <sub>2</sub>	0.5 to 6 bar / 0.5 to 10 bar / 0.5 to 16 bar / 0.5 to 25 bar			
Mounting position	Any / <b>note direction of arrow</b>			
Mounting type	Mounting bracket on body (mounting bracket, four screws )			
Medium temperature	-10 to 60°C			
Ambient temperature	-10 to 90°C			
Weight [g]	6480 / 6650 with pressure gauge			

### Description

- Regulator in block design
- Double nipples (G 2) 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**
- Working pressure remains virtually **constant, regardless** of system pressure fluctuations and air consumption
- Separate pressure gauges for input and output pressure included, can be mounted at both ends
- Wall mounting with mounting bracket and screws on body

### Accessories

Designation	Article No.	Ident No.
Mounting bracket with 4 screws	H 805	101144
Double nipple G 1½	252.07/4	100920
Double nipple G 2	252.07/5	101145

**Important: Filter Art. No. «680.27» (Section 1) should be connected upstream!**

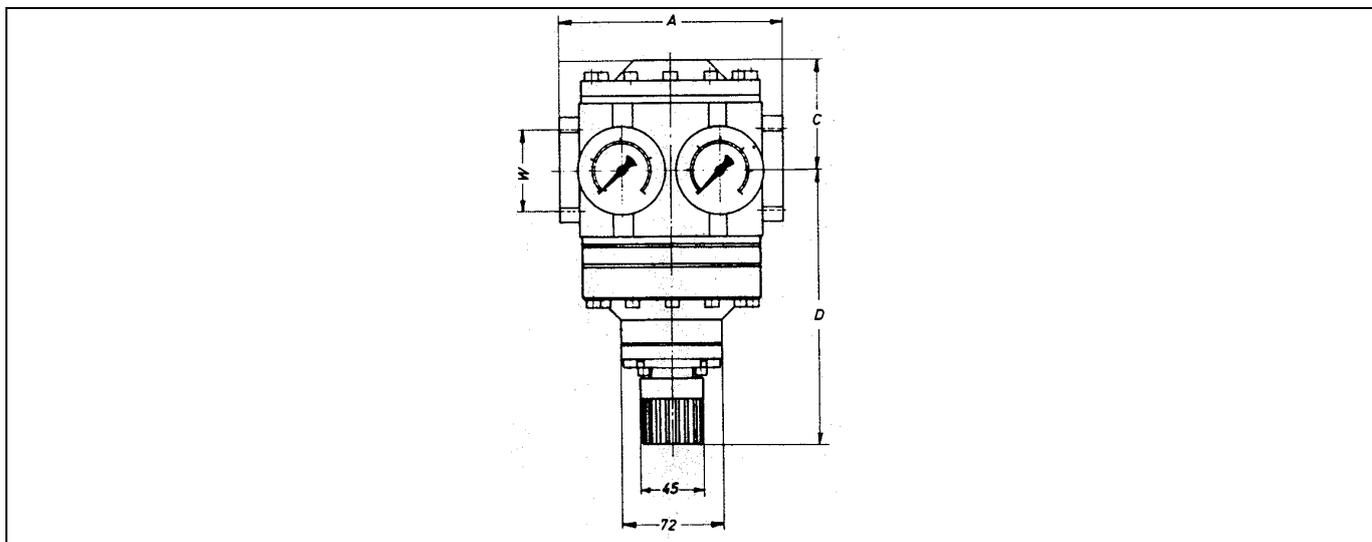
### Materials

Part	Material
Head piece (body)	Al
Spring bonnet/adjusting screw (pilot)	Zinc - Z 410/brass
Diaphragms	NBR-brass
Pressure spring	Galvanised steel
Valve cone	NBR-brass
Counter-pressure spring	Stainless steel
O-rings	NBR

### Main spare parts

Part	Article No.	Ident No.
→ Set of wearing parts	22.686.4	101146
Pr. gauge Ø63, G 1/4		
0 to 6 bar	216-KD	101224
0 to 10 bar	217-KD	101244
0 to 16 bar	218-KD	101398
0 to 25 bar	219-KD	101462
0 to 40 bar	220	101842

## Dimensions



## Dimensions [mm]

Port W	Dimensions				Adj. knob $\varnothing$		Pr. gauge		
	A	C	D				$\varnothing$		
G 2	160	78	168		45		G 1/4	63	
G 1½ (red.)	180	78	168		45		G 1/4	63	

## Flow rates

Flow rates at  $p_1 = 10$  bar,  $p_2 = 8$  bar and pressure drop  $\Delta p = 1$  bar

Output pressure $p_2 =$ [bar]		8
Nominal flow ( $\Delta p = 1$ bar)	QN m <sup>3</sup> /h	2880
	QN l/min	48000