

## High pressure regulators 60bar - G<sup>1/4</sup> – G 1



Pressure regulators regulate the system pressure ( $p_1$ ) in a compressed air system to the working pressure ( $p_2$ ) and keep this pressure, regardless of pressure fluctuations and air consumption, largely constant. Pressure regulator (piston type). Secondary air exhaust (relieving) and almost complete independence of primary are provided. Working pressure ranges  $p_2$  at 0,5 to 12, 20, 35 and 50 bar. Setting in size I and II with handwheel (35/50 bar with toggle), in size III with toggle (50 bar with hexagon screw). Gauge can be mounted on either side. Panel or bracket mounting if desired. **Note:** To avoid losses an air filter should be installed upstream.

**Also suitable for use with neutral and non-toxic gases!**

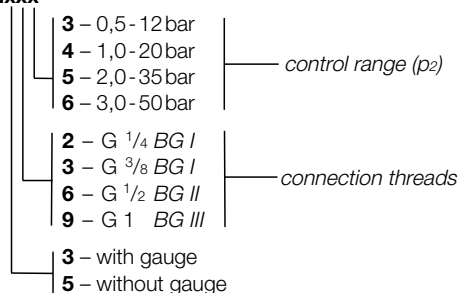
### Standard versions:

Control range 0,5-12 bar, with gauge

Size	Order No.			
	Connection threads			
	G <sup>1/4</sup>	G <sup>3/8</sup>	G <sup>1/2</sup>	G 1
I	<b>302.323</b>	<b>302.333</b>	-	-
II	-	-	<b>302.363</b>	-
III	-	-	-	<b>302.393</b>

### Order key for all variants:

302.xxx



for example:

302.333 – but **without gauge**  
 and **2,0-35bar** = 302.535

### Spare parts and accessories

	Order No.	
	size I + II	size III
<b>Bracket mounting</b> for fixing on lid/attachment to the cover fixing screws	<b>274-48</b>	<b>302-19</b>
<b>Gauge</b> horizontal, ø63 Display range: 0-16 bar (for $p_2$ up to 12 bar)	<b>215</b>	<b>215</b>
0-25 bar (for $p_2$ up to 20 bar)	<b>216</b>	<b>216</b>
0-40 bar (for $p_2$ up to 35 bar)	<b>217</b>	<b>217</b>
0-60 bar (for $p_2$ up to 50 bar)	<b>218</b>	<b>218</b>
<b>Seal cone</b> complete	<b>406-37</b>	<b>302-6</b>

Gauges see chapter 11



**Note:** Gauge added loosely



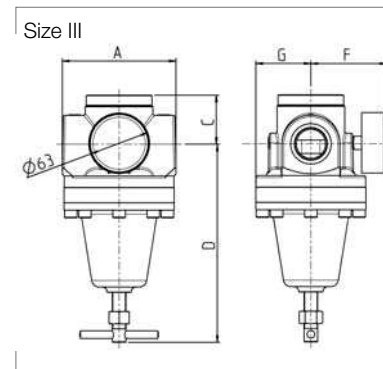
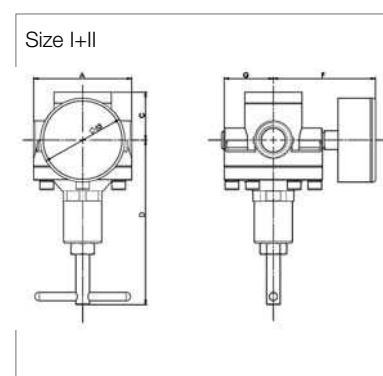
### Technical data

	Size I		Size II	Size III
<b>Connection threads</b>	G <sup>1/4</sup>	G <sup>3/8</sup>	G <sup>1/2</sup>	G 1
<b>Nominal rates of flow (NI/min)*</b>	2000	2500	3500	5000
<b>Max. operating pressure (<math>p_1</math>)</b>	60bar (PN60)			
<b>Control range for secondary pressure (<math>p_2</math>)</b>	0,5 to 12, 20, 35 and 50bar			
<b>Operating temperature</b>	-10°C up to +90°C			
<b>Mounting position</b>	any			
<b>Direction of flow</b>	see arrow			
<b>Nominal width</b>	DN12		DN12	DN20
<b>Weight</b>	1500 g		1500 g	6500 g
<b>Material</b>	- seals - housing		NBR brass	

\* measured at  $p_1 = 20$  bar,  $p_2 = 10$  bar and  $\Delta p = 4$  bar

### Dimensions [mm]

Size	I	II	III
<b>Connection threads</b>	G <sup>1/4</sup> , G <sup>3/8</sup>	G <sup>1/2</sup>	G 1
A	72	72	118
C	35	35	51
D	133	121	206
F	66	75	80
G	36	36	58



Fasteners and connecting elements see page 49