



## Pressure regulators - G 1 1/2 – G 2

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 (diaphragm type) with servomechanism. Port sizes G 1 1/2 to G 2. The excess pressure valve (secondary venting) allows a reduction of the secondary pressure ( $p_2$ ) (= exhaust) without air extraction. Working pressure ranges from 0,5 - 6, 10, 16, 25 and 35 bar. Two gauges (inlet and outlet pressure) 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:

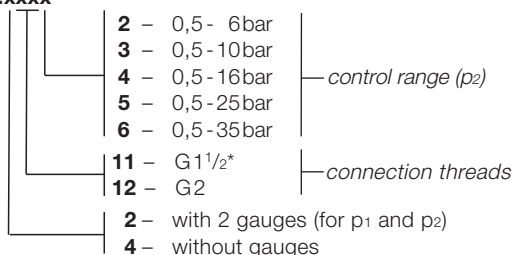
Control range (for  $p_2$ ) 0,5-10bar, with gauge

Size	Order No.	
	Connection threads G 1 1/2*	G 2
super	417.2113*	417.2123

\* inlet and outlet reduced (reductions added loosely, see page 50)

### Order key for all variants:

417.xxxx



for example:

417.2113 –  
without gauges and  
0,5 - 16bar = 417.4114

### Spare parts and accessories

	Order No.
Bracket mounting for fixing on the housing	size super 417-47
Gauge, horizontal, $\varnothing 63$ Display range: 0-10bar (for $p_2$ up to 6 bar)	214
0-16bar (for $p_2$ up to 10 bar)	215
0-25bar (for $p_2$ up to 16 bar)	216
0-40bar (for $p_2$ up to 25 bar)	217
0-60bar (for $p_1$ and for $p_2$ up to 35 bar)	218
Spare parts kit (seals, diaphragms, sealing cone)	for $p_2$ up to 6/10/16/25 bar    for $p_2$ up to 35 bar 417-75    417-85
Seal cone complete	417-67    417-87
Diaphragm complete	417-66    417-86

Gauges see chapter 11



417.2125

Remote control on request!

**Note:** Gauge added loosely



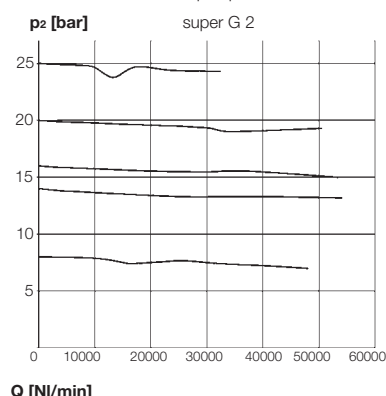
417-75

### Technical data

	Size super
Nominal rates of flow**	48000 NI/min
Max. operating pressure ( $p_1$ )	40bar (PN40)
Max. secondary pressure ( $p_2$ ) (control range)	0,5 to 6, 10, 16, 25 and 35bar
Operating temperature	-10°C up to +90°C
Mounting position	any
Direction of flow	see arrow
Nominal width	DN50
Dependence upon supply pressure	< 1%
Reversing control hysteresis	~ 0,5bar
Weight	5500g
Material	- diaphragm/seals: NBR - housing: aluminum alloy

\*\* measured at  $p_1 = 10$ bar,  $p_2 = 8$ bar and  $\Delta p = 1$ bar

### Rates of flow $p_1 = p_2 + 2$ bar



### Dimensions [mm]

Size	super	
Connection threads	G 1 1/2*	G 2
A	180	160
C	78	78
D	170	170

\* inlet and outlet reduced (reductions added loosely)

