



Pressure regulators 40 bar G ¼ – G ½

Pressure regulators regulate the line pressure (p_1) of a compressed air system to the set operating pressure/secondary pressure (p_2) and keep it almost constant, independent of pressure fluctuations and air consumption. Pressure regulator (diaphragm type) in flow-through form. Secondary venting (reverse control) and extensive inlet pressure independence is given. **Control ranges for p_2 from 0.5–3, 6, 10, 16 and 25 bar.** Adjustment with handwheel, for BG 40 (medium) up to 25 bar lockable with hexagonal screw AF 14 each with lock nut. Pressure gauge can be mounted on the front and rear. Panel mounting or bracket set available as accessory. Connection thread from G ¼ to G ½. **Notice:** To avoid failures, a compressed air filter should be installed in front of the unit. Also suitable for use with neutral and non-toxic gases. The manometer is enclosed.



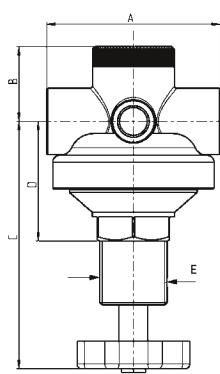
Standard version: control range 0.5–10 bar, with pressure gauge

Size	Order No.	
	G ¼	G ½
BG 20 (small)	286.323	–
BG 40 (medium)	–	274.663

Order key for all variants

286/274.XXXX

- | | | | |
|---|---|--|--------|
| 1 | oil and grease free | | |
| 2 | without reverse control | | |
| 3 | oil and grease free and without reverse control | | |
| 1 | 0.5–3 bar | control range secondary pressure (p_2) | |
| 2 | 0.5–6 bar | | |
| 3 | 0.5–10 bar | | |
| 4 | 0.5–16 bar | | |
| 5 | 0.5–25 bar (not BG 20) | | |
| 2 | G ¼ | — BG 20 | thread |
| 6 | G ½ | — BG 40 | |
| 3 | with pressure gauge (for BG 20 except 25 bar) | | |
| 6 | with pressure gauge (for BG 40) | | |
| 4 | without pressure gauge | | |



Dimensions (mm)

	BG 20	BG 40
	G ¼	G ½
A	45	72
B	23	30
C	81	115
D	35	52
E	M20 × 1.5	M28 × 1.5

Spare parts and accessories

Size	Order No.	
	BG 20	BG 40
Mounting set for fixing at the bottom of the lid	286-88	274-48
Panel mounting: M20 × 1.5 (BG 30 small), M28 × 1.5 (BG 40 medium)	286-89	274-49
Pressure gauge horizontally*	Ø 40	Ø 63
Display range 0–6 bar (for p_2 up to 3 bar)	714	213
Display range 0–10 bar (for p_2 up to 6 bar)	723	214
Display range 0–16 bar (for p_2 up to 10 bar)	734	215
Display range 0–25 bar (for p_2 up to 16 bar)	745	216
Display range 0–40 bar (for p_2 up to 25 bar)	–	217
Sealing cone , complete	286-120	274-75
Diaphragm , complete		
Control range (for p_2) 0–3 bar	286-126	274-65
Control range (for p_2) 0–10 bar	286-126	274-66
Control range (for p_2) 0–16 bar	286-126	274-67
Control range (for p_2) 0–25 bar	–	274-67

*pressure gauges starting from page 154

Technical data

Size	BG 20	BG 40
Thread	G ¼	G ½
Nominal flow rate**	470 l/min	1,360 l/min
Max. operating pressure (p_1)	40 bar (PN 40)	
Max. secondary pressure (p_2)	0.5 up to 3, 6, 10, 16 and 25 bar (BG 40)	
Operating temperature	-10 °C up to +90 °C	
Mounting position/flow direction	any/in arrow direction	
Nominal width	DN 6	DN 12
Pre-pressure dependence	< 10 %	
Reverse control hysteresis	~ 1 bar	
Weight	390 g	1 kg
Material diaphragm/seals	NBR	
Material housing, spring cover	brass	

**measured at $p_1 = 8$ bar, $p_2 = 6$ bar and $\Delta p = 1$ bar