

Ported pressure regulators

R07, 20AG

G $\frac{1}{8}$ to G1



Ported regulators for general purpose pneumatic applications

Relieving operation as standard

Non-rising adjusting knob on R07 with snap-action lock

Options include non-relieving models and alternative spring ranges

Technical data

Medium:

Compressed air only

Maximum inlet pressure:

20 bar (R07)

28 bar max. (20AG)

Gauge ports:

Rc $\frac{1}{8}$ (R07)

G $\frac{1}{8}$ (20AG)

Ambient temperature:

-34°C to +65°C (R07)

-20°C to +80°C (20AG)

Consult our Technical Service for use below +2°C

Materials

R07

Body: zinc alloy

Adjusting knob: acetal resin

Elastomers: nitrile

20AG

Body & bonnet: zinc alloy

Bottom plug: brass

Adjusting screw: steel plated

Elastomers: synthetic rubber

Alternative models

Other pressure ranges.

Adjusting screws

Non-relieving versions

Contact our Technical Service for details



R07



20AG

| Port size | Flow (dm ³ /s) | Range (bar) ‡ | kg | Model | Service kit |
|-----------|---------------------------|---------------|------|----------------|-------------|
| G1/8 | 6,5 | 0,3 ... 7 | 0,19 | R07-100-RNKG | 3407-02 |
| G1/8 | 7,5* | 0,5 ... 10 | 0,16 | R07-105-RNMG | 3407-29 |
| G1/4 | 7,5* | 0,5 ... 10 | 0,16 | R07-205-RNMG | 3407-29 |
| G1/4 | 7 | 0,3 ... 7 | 0,19 | R07-200-RNKG | 3407-02 |
| G1/2 | 60** | 0,1 ... 3,5 | 1,40 | 20AG-X4G/PD100 | 20AG-X4-100 |
| G1/2 | 60** | 0,2 ... 8 | 1,30 | 20AG-X4G/PH100 | 20AG-X4-100 |
| G1/2 | 60** | 7 ... 16 | 1,29 | 20AG-X4G/PJ100 | 20AG-X4-100 |
| G3/4 | 80** | 0,1 ... 3,5 | 2,75 | 20AG-X6G/PD100 | 20AG-X8-100 |
| G3/4 | 80** | 0,2 ... 8 | 2,85 | 20AG-X6G/PH100 | 20AG-X8-100 |
| G1 | 100** | 0,1 ... 3,5 | 2,44 | 20AG-X8G/PD100 | 20AG-X8-100 |
| G1 | 100** | 0,2 ... 8 | 2,90 | 20AG-X8G/PH100 | 20AG-X8-100 |

Models listed include ISO G threads and relieving diaphragm.

* Maximum flow with 10 bar inlet pressure, 6,3 bar outlet pressure and a pressure drop of 1 bar.

** Maximum flow with 7 bar inlet pressure, 4 bar outlet pressure and a pressure drop of 1 bar.

‡ Can be adjusted to zero bar outlet pressure, and, generally, to pressures in excess of those specified.

For non-relieving models (R07) substitute 'N' for 'R' at the 7th digit, e.g. R07-100-NNKG.

For non-relieving models (20AG) delete 'X' from model no. e.g. 20AG-4G/PH100.

For G3/8 size use Excelon or Olympian units

Other pressure regulators are available to suit your application:

- R91 Series – miniature plastic regulators for potable water, non-potable water and compressed air – see page 487
- R30M Series – miniature plastic regulators featuring push-in ports as standard, for non-potable water and compressed air – ideal for manifold mounting – see page 487
- R06, R43 and 11-809 Series - brass units for potable and non-potable water – see page 487

We can also supply pressure regulators to suit your specific requirements,* for example:

- Pre-set regulators
- Units degreased for oxygen use
- Units with minimum and/or maximum pressure settings
- Units for low or high temperature applications

*Subject to quantity required, consult our Technical Service.

Accessories

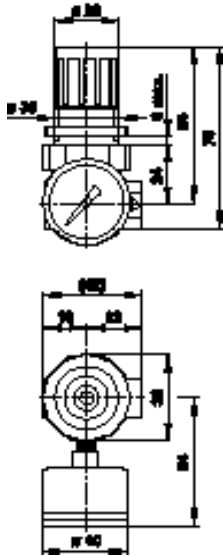
| Series | Port size | Bracket kit | Gauge 0 ... 10 bar* | Panel mounting | Tamper resistant kit | Tamper-proof cap | Black plastic handwheel | Slotted adjusting screw |
|--------|-----------|-----------------------------------|------------------------|--------------------|-------------------------|---------------------|----------------------------|----------------------------|
| R07 | | | | | | | | |
| | | 18-025-003 (Includes nut 2962-89) | 18-013-989 | 2962-89 (Nut only) | 18-001-092 | | | |
| 20AG | G1/2 | | | | | | | |
| | | 18-001-005 | 18-013-013 | 18-003-026 | | 18-004-997 | 1192-99 | 1094-99 |
| | G3/4, G1 | | | | | | | |
| | | 18-001-029 | | | | | 1321-99 | 1095-02 |

* Other pressure ranges available – see page 486

Ported pressure regulators

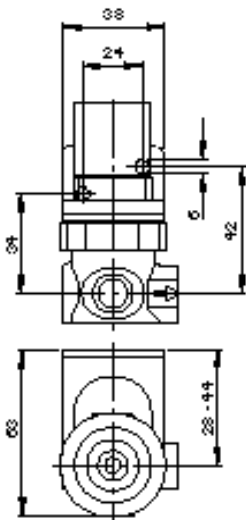
R07, 20AG
G $\frac{1}{8}$ to G1

R07

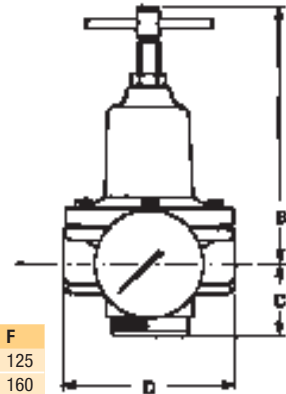
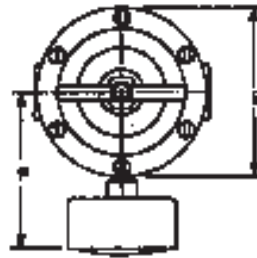


19 kg

Bracket mounting (R07)

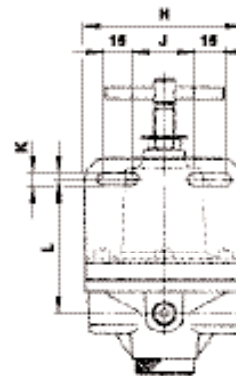
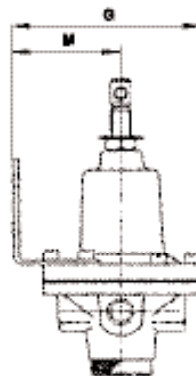


20AG



| Series | B (max.) | C | D | E | F |
|----------|----------|----|-----|-----|-----|
| 20AG-X4G | 125 | 35 | 85 | 85 | 125 |
| 20AG-X6G | 185 | 40 | 115 | 125 | 160 |
| 20AG-X8G | 185 | 40 | 115 | 125 | 160 |

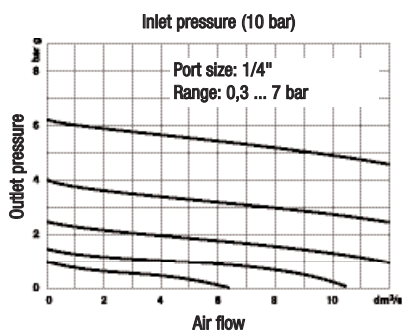
Bracket mounting (20AG)



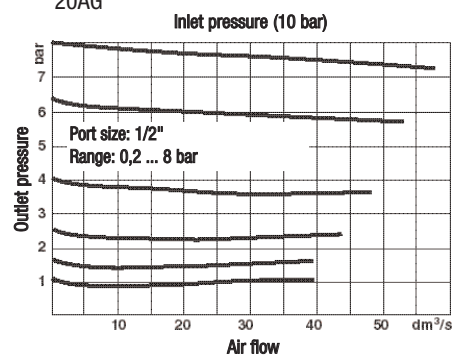
| Series | G | H | J | K | L | M |
|----------|-----|-----|----|---|----|----|
| 20AG-X4G | 100 | 85 | 30 | 7 | 70 | 55 |
| 20AG-X6G | 140 | 125 | 65 | 8 | 80 | 75 |
| 20AG-X8G | 140 | 125 | 65 | 8 | 80 | 75 |

Flow characteristics

R07



20AG



20AG

