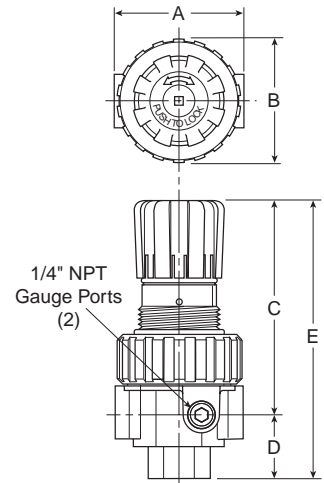


07R Regulators – Standard



Features

- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation.
- Rolling diaphragm for extended life.
- Two high flow 1/4" gauge ports can be used as additional outlets.
- Easily serviced.
- Removable non-rising knob for panel mounting and tamper resistance.
- High Flow: 1/2" – 90 SCFM§
 3/4" – 90 SCFM§



Port Size	NPT
Without Gauge	
1/2"	07R313A*
3/4"	07R413A*
With 160 PSI Gauge	
1/2"	07R318A*
3/4"	07R418A*

07R Regulator Dimensions		
A	B	C
3.24 (82)	2.74 (70)	4.79 (122)
D	E	
1.61 (41)	6.40 (163)	

Inches (mm)

Standard part numbers shown bold. For other models refer to ordering information below.

NOTE: 2.00 Dia. (51mm) hole required for panel mounting.

§ SCFM = Standard cubic feet per minute at 100 psig inlet, 90 psig no flow secondary setting and 10 psig pressure drop.

⚠ WARNING

Product rupture can cause serious injury.
Do not connect regulator to bottled gas.
Do not exceed maximum primary pressure rating.

Ordering Information



Port Size	Pressure Range	Relief	Engineering Level	Port Type	Options	Preset / Pressure Limited
3 1/2 Inch 4 3/4 Inch	<u>Without Gauge</u> 11 60 psig 13 125 psig 15 250 psig <u>With Gauge**</u> 16 60 psig 18 125 psig 21 250 psig	A Relieving L Non-Relieving	* Will be Entered at Factory	Blank NPT 1* BSPP <small>* 1/2 inch meets ISO 1179-1 Standard.</small>	Blank No Options L† Preset Non-Adjustable P† Preset Adjustable R Reverse Flow <small>† Inlet Pressure is 100 psig. For other pressures, contact factory.</small>	Blank None XXX* Preset Pressure <small>* Available Preset / Pressure Limited Range, 10 to 90 psig in 5 psig increments. For higher pressures, contact factory. (Example: 065 = 65 psig)</small>

** Includes 1-1/2" Dial Face Gauge

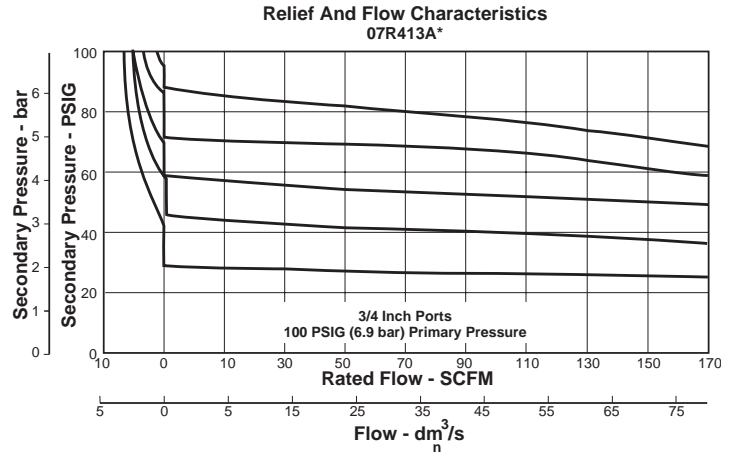
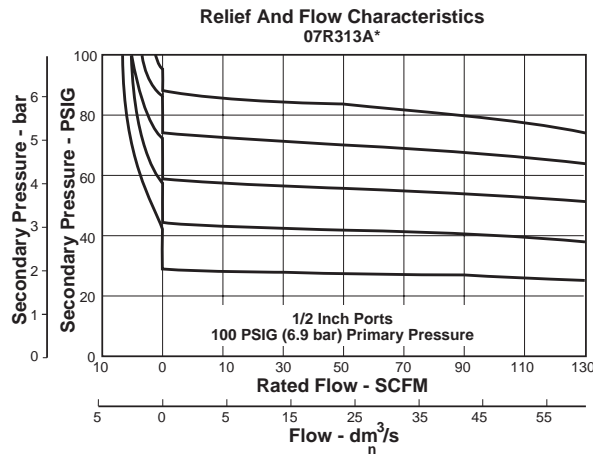
Spring Type by Preset / Limited Pressure:

For Preset / Limited Pressure 26 to 50 use 60 PSI Spring
 For Preset / Limited Pressure 51 to 90 use 125 PSI Spring

BOLD ITEMS ARE MOST POPULAR.

Technical Specifications – 07R

Technical Information



CAUTION:

REGULATOR PRESSURE ADJUSTMENT –

The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting devices may be obtained only by special design.

For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.

07R Regulator Kits & Accessories

- Bonnet Assembly Kit PS715P
- Control Knob P04069B
- Gauges – 60 psig (0 to 4.1 bar) K4520N14060
- 160 psig (0 to 11.0 bar) K4520N14160
- 300 psig (0 to 20.0 bar) K4520N14300
- Mounting Bracket Kit (Includes Panel Mount Nut) PS807P
- Panel Mount Nut – Plastic P04082
- Metal P04079B
- Reverse Flow Service Conversion Kit –
- Relieving PS808RP
- Service Kit – Relieving (Includes Poppet) PS808P
- Non-Relieving (Includes Poppet) PS809P
- Springs – 1-30 psig Range P01698
- 1-60 psig Range P04062
- 2-125 psig Range P04063
- 5-250 psig Range P04064
- Tamperproof Kit PS737P

Specifications

- Gauge Ports (2) 1/4 Inch
(Can be used as additional High Flow 1/4 Inch Outlet Ports)
- Port Threads 1/2, 3/4 Inch
- Primary Pressure Rating –
 Maximum Primary Pressure 250 psig (17.2 bar)
- Secondary Pressure Ranges –
 Standard Pressure 2 to 125 psig (0 to 8.6 bar)
- Low Pressure 1 to 60 psig (0 to 4.1 bar)
- High Pressure 5 to 250 psig (0.4 to 17.2 bar)
- Temperature Rating 32°F to 175°F (0°C to 80°C)
- Low Temperature -4°F to 125°F (-20°C to 52°C)
- Weight 2.5 lb. (1.1 kg)

Materials of Construction

- Adjusting Stem Steel
- Body Zinc
- Bonnet, Piston Stem, Valve Poppet & Cap Plastic
- Collar, Knob Plastic
- Diaphragm Nitrile
- Seals Nitrile
- Springs – Poppet Stainless
- Control Steel



C
Product Selection
Filters
Coalescers
Regulators
Filter / Regulators
Lubricators
Combos
Accessories