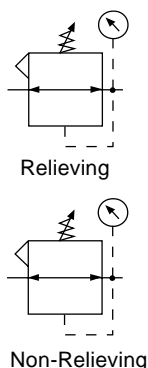


# Regulator

## R40



**R40-0B-000**

### Features

- Balanced Valve Design
- Standard Self-Relieving
- Two 1/4 NPT / BSPT-Rc Gauge Ports Standard – Can Be Used for Additional Outlet Ports
- Piston Operated
- High Flow Capacity

### Specifications

Flow Capacity*	1-1/2, 2	1200 SCFM (566 dm <sup>3</sup> /s)
Adjusting Range Pressure	0 to 125 PSIG (0 to 8.6 bar) 0 to 180 PSIG (0 to 12.4 bar)	
Maximum Supply Pressure	300 PSIG (20.7 bar)	
Operating Temperature	32° to 150°F (0° to 65.5°C)	
Port Size	NPT / BSPP-G	1-1/2, 2
Gauge Port (2 ea.)	NPT / BSPT-Rc	1/4
Weight	lb. (kg)	10.8 (4.9)

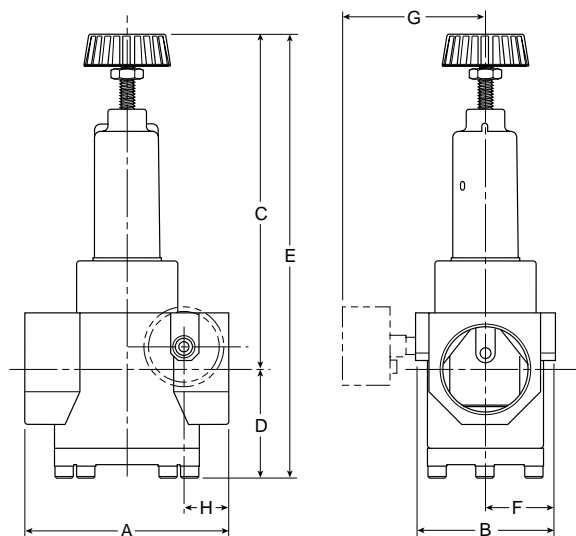
\* Inlet pressure 100 PSIG (6.9 bar). Secondary pressure 85 PSIG (5.9 bar).

### Materials of Construction

Body	Zinc
Bonnet	Zinc
Piston	Zinc
Seals	Nitrile
Springs	Steel
Valve Assembly	Brass / Nitrile / Acetal

### ⚠ WARNING

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



### Dimensions

Models	Inches (mm)	A	B	C	D	E	F	G	H
Standard Unit R40-XX-000		5.31 (135)	3.58 (91)	9.09 (230.8)	2.79 (71)	11.88 (302)	1.29 (33)	— —	1.15 (29.2)
With Gauge (order separately) R40-XX-XXX		5.31 (135)	3.58 (91)	9.09 (230.8)	2.79 (71)	11.88 (302)	1.29 (33)	4.02 (102)	1.15 (29.2)

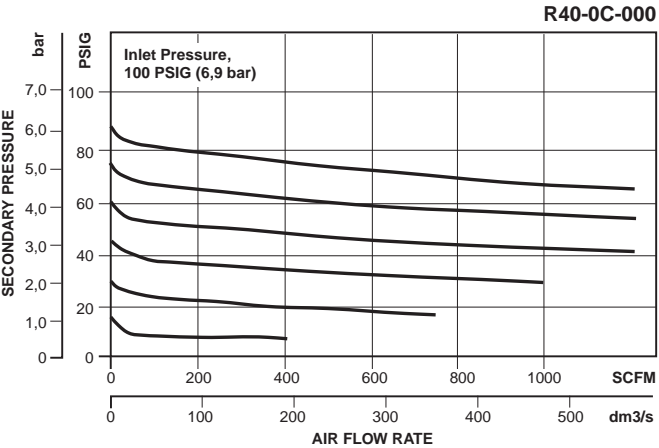
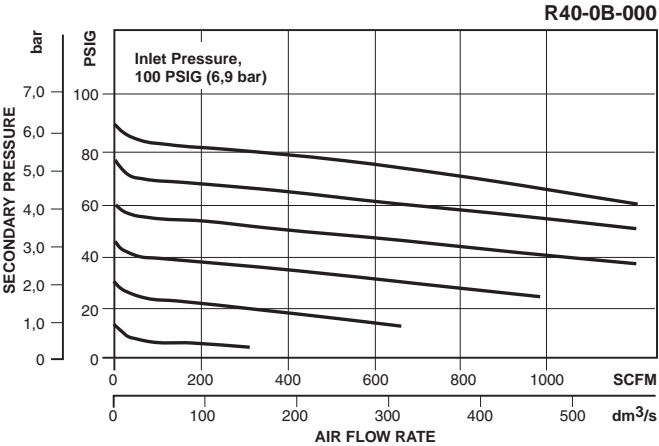
Replacement Kits

- Piston Assembly –
  - Non-relieving ..... RRP-95-451
  - Relieving ..... RRP-95-964
- Spring, Regulating –
  - 0 to 125 PSIG (0 to 8.6 bar) ..... RRP-95-226
  - 0 to 180 PSIG (0 to 12.4 bar)..... RRP-95-220
- Spring, Valve ..... RRP-95-024
- Valve Assembly (Non-relieving) –
  - Valve, Valve Spring .....RRP-95-162
- Valve Assembly (Self-relieving) –
  - Valve, Valve Spring, Ret. Ring, O-rings.....RRP-95-161

Accessories

- Gauge, Pressure –
  - 0 to 160 PSIG (0 to 11 bar), 2" Dial Face,  
1/4 NPT, CBM..... K4520N14160
  - 0 to 300 PSIG (0 to 20 bar), 2" Dial Face,  
1/4 NPT, CBM.....K4520N14300
- Wall Mounting Bracket, Gauge Port Adapter,  
1/4 NPT ..... RRP-95-590

 = “Most Popular”



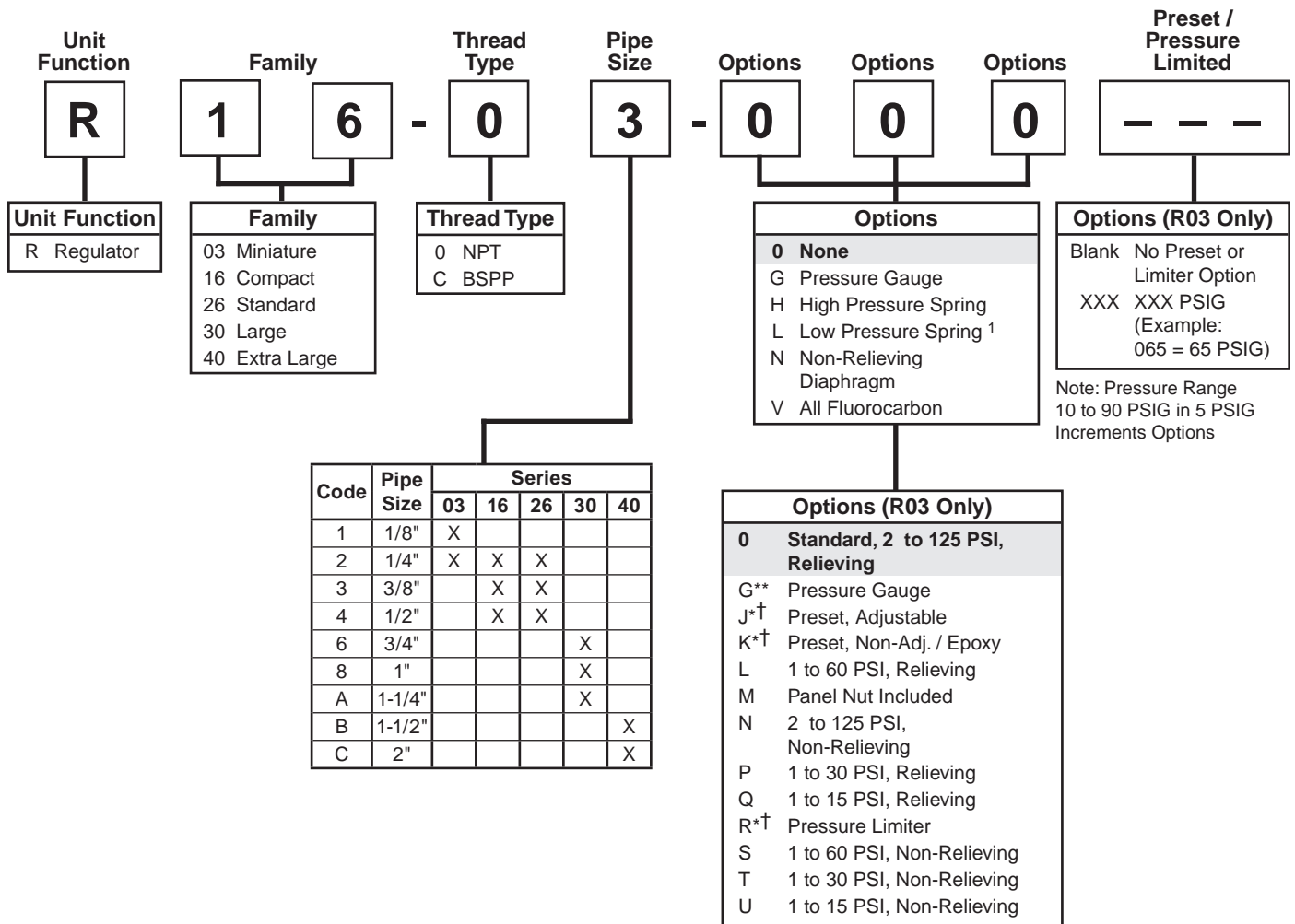
Ordering Information

Model Type	Port Size	Without Gauge 10 to 125 PSIG (0.7 to 8.6 bar)	High Pressure 10 to 180 PSIG (0.7 to 12.4 bar)
Relieving	1-1/2	R40-0B-000	R40-0B-H00
	2	R40-0C-000	R40-0C-H00
Non-relieving	1-1/2	R40-0B-N00	R40-0B-HN0
	2	R40-0C-N00	R40-0C-HN0

Options - To order an option supplied with the unit model, add the appropriate coded suffix letter in the designated position of the model number.

# Regulator Numbering System

   = "Most Popular"

**B**

- \* Inlet pressure is 100 PSIG.  
For other pressures, consult factory.
- \*\* Not available with BSPP thread type.
- † Must specify preset or limited pressure.

Spring Type by Preset / Limited Pressure:  
For Preset / Limited Pressure 10 to 25  
use 30 PSI Spring  
For Preset / Limited Pressure 26 to 50  
use 60 PSI Spring  
For Preset / Limited Pressure 51 to 90  
use 125 PSI Spring

<sup>1</sup> Not available on R30.

If more than one option is desired, arrange them in alphabetical order in positions 6, 7, and 8.