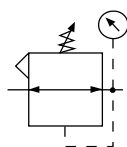
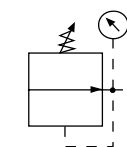


Regulator

R18



Relieving



Non-Relieving

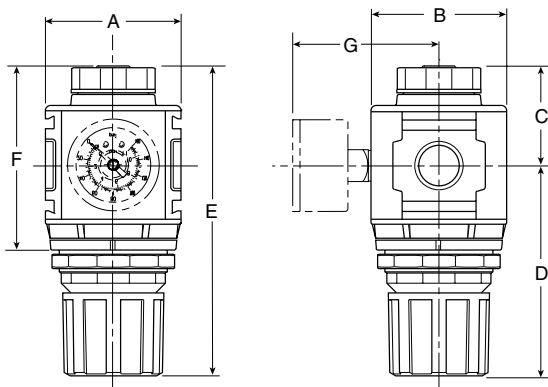
**R18-02-F0G0**

Features

- Balanced Valve Design
- Spring-loaded Diaphragm
- 4 Adjusting Pressure Ranges Available
- 1/2" NPT / BSPP-G Over-port
- Reverse-flow Available
- 2 Gauge Ports

WARNING

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



NOTE: 2" Dia. (51 mm) hole required for panel nut mounting.

Dimensions

Models	Inches (mm)	A	B	C	D	E	F	G
Standard Unit R18-XX-F000		2.36 (60)	2.36 (60)	1.74 (44)	3.66 (93)	5.35 (136)	3.10 (78.7)	— —
With Gauge R18-XX-F0G0		2.36 (60)	2.36 (60)	1.74 (44)	3.66 (93)	5.35 (136)	3.10 (78.7)	3.74 (94)

 = "Most Popular"

Specifications

Flow Capacity*	1/4	82 SCFM (38.7 dm ³ /s)
	3/8	97 SCFM (45.7 dm ³ /s)
	1/2	97 SCFM (45.7 dm ³ /s)
Adjusting Range Pressure		0 to 30 PSIG (0 to 2.1 bar)
		0 to 60 PSIG (0 to 4.1 bar)
		0 to 125 PSIG (0 to 8.6 bar)
		0 to 250 PSIG (0 to 17.2 bar)

Gauge Port (2 ea.) NPT / BSPP-G 1/4

Maximum Supply Pressure 300 PSIG (21 bar)

Operating Temperature 32° to 150°F (0° to 65.5°C)

Port Size NPT / BSPP-G 1/4, 3/8, 1/2

Weight lb. (kg) 1.16 (0.5)

* Inlet pressure 100 PSIG (6.9 bar). Secondary pressure 90 PSIG (6.2 bar).

Materials of Construction

Adjustment Knob	Acetal
Body	Zinc
Body Cap	ABS
Bonnet	33% glass-filled nylon
Bottom Plug	33% Glass-filled Nylon
Diaphragm Assembly	
Nitrile / Zinc	
Valve Assembly	Brass / Nitrile
Panel Nut	Acetal
Seals	Nitrile
Springs	Main Regulating Valve
	Steel S.S.

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.

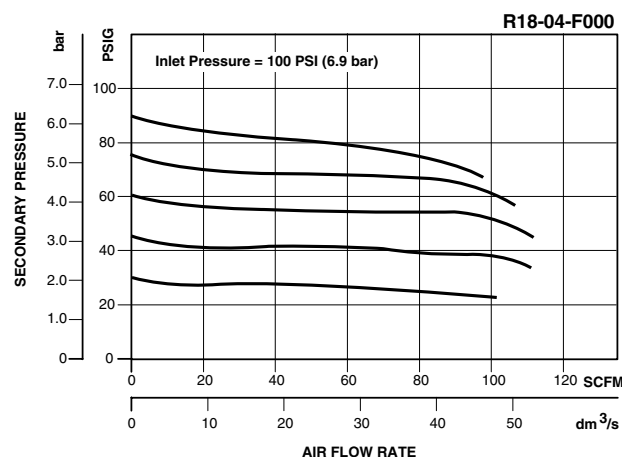
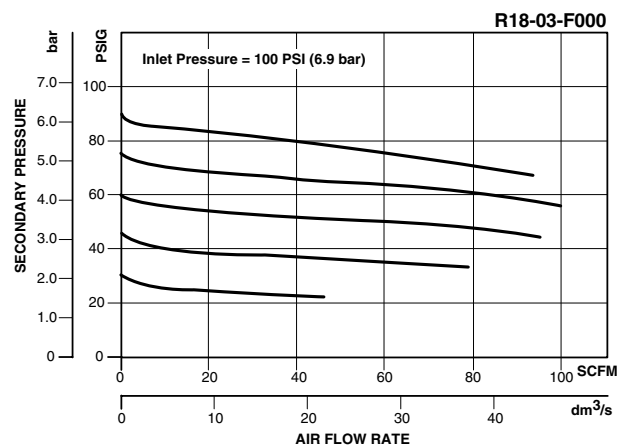
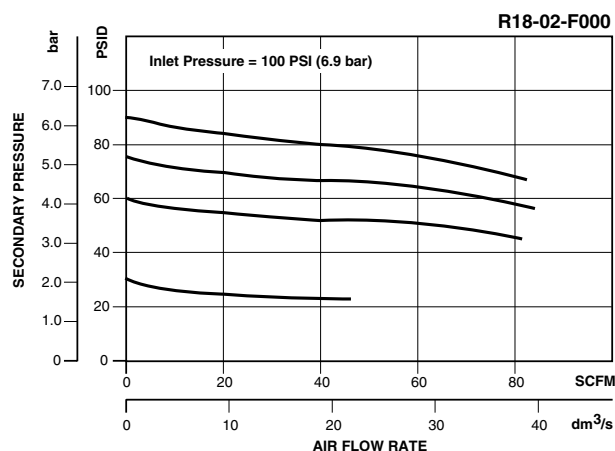
Replacement Kits

Adjusting Knob	RRP-16-340-000
Diaphragm Assembly –	
Non-relieving	RRP-96-657
Relieving	RRP-96-656
Spring, Regulating –	
0 to 30 PSIG (0 to 2.1 bar)	RRP-96-659
0 to 60 PSIG (0 to 4.1 bar)	RRP-96-660
0 to 125 PSIG (0 to 8.6 bar)	RRP-96-661
0 to 250 PSIG (0 to 17.2 bar)	RRP-96-662
Valve Assembly	RRP-96-658

Accessories

Panel Mount Nut –	
Aluminum	RRP-96-673
Plastic	RRP-96-675
Pressure Gauge –	
0-30 PSIG, 1-1/2" Dial Face, 1/4 NPT CBM	K4515N14030
0-60 PSIG, 1-1/2" Dial Face, 1/4 NPT CBM	K4515N14060
0-160 PSIG, 1-1/2" Dial Face, 1/4 NPT CBM	K4515N14160
0-300 PSIG, 1-1/2" Dial Face, 1/4 NPT CBM	K4515N14300
0-2.0 bar, 1-1/2" Dial Face, G 1/4 CBM	K4515G14030
0-4.1 bar, 1-1/2" Dial Face, G 1/4 CBM	K4515G14060
0-11 bar, 1-1/2" Dial Face, G 1/4 CBM	K4515G14160
0-21 bar, 1-1/2" Dial Face, G 1/4 CBM	K4515G14290
Tamper Resistant Kit	RRP-96-671
Wall Mounting Bracket –	
L-Type	GPA-96-606
T-Type	GPA-96-602

 = "Most Popular"



Ordering Information

Model Type	Port Size	With Gauge 5 to 125 PSIG (0.4 to 8.6 bar)	With Gauge 10 to 250 PSIG (0.7 to 17.2 bar)	With Gauge 3 to 60 PSIG (0.2 to 4.1 bar)	Without Gauge 5 to 125 PSIG (0.4 to 8.6 bar)	Without Gauge 10 to 250 PSIG (0.7 to 17.2 bar)	Without Gauge 3 to 60 PSIG (0.2 to 4.1 bar)
Relieving	1/4	R18-02-F0G0	R18-02-G0G0	R18-02-D0G0	R18-02-F000	R18-02-G000	R18-02-D000
	3/8	R18-03-F0G0	R18-03-G0G0	R18-03-D0G0	R18-03-F000	R18-03-G000	R18-03-D000
	1/2	R18-04-F0G0	R18-04-G0G0	R18-04-D0G0	R18-04-F000	R18-04-G000	R18-04-D000
Non-relieving	1/4	R18-02-R0G0	R18-02-S0G0	R18-02-W0G0	R18-02-R000	R18-02-S000	R18-02-W000
	3/8	R18-03-R0G0	R18-03-S0G0	R18-03-W0G0	R18-03-R000	R18-03-S000	R18-03-W000
	1/2	R18-04-R0G0	R18-04-S0G0	R18-04-W0G0	R18-04-R000	R18-04-S000	R18-04-W000

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