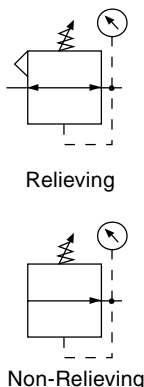


Regulator

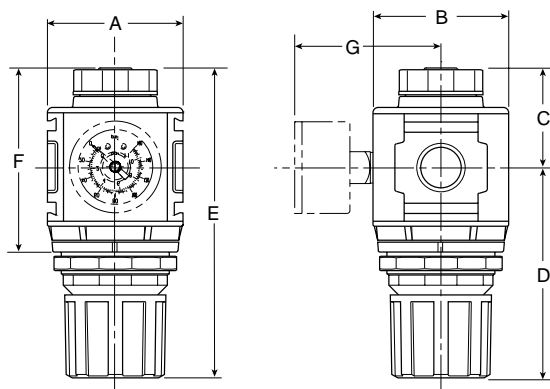
R18



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



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 (20.7 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 Stainless Steel

⚠ WARNING

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

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.

 = "Most Popular"

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

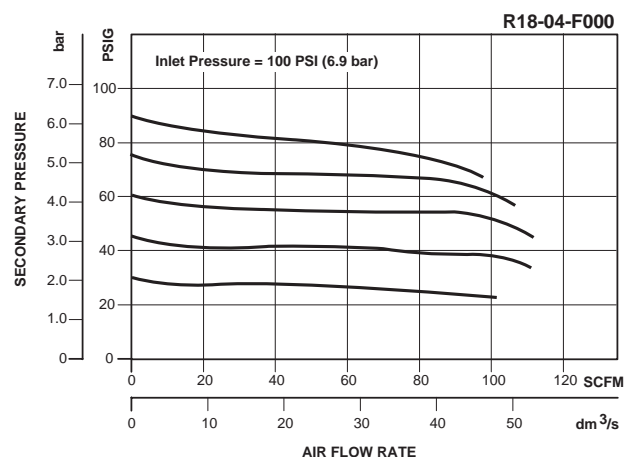
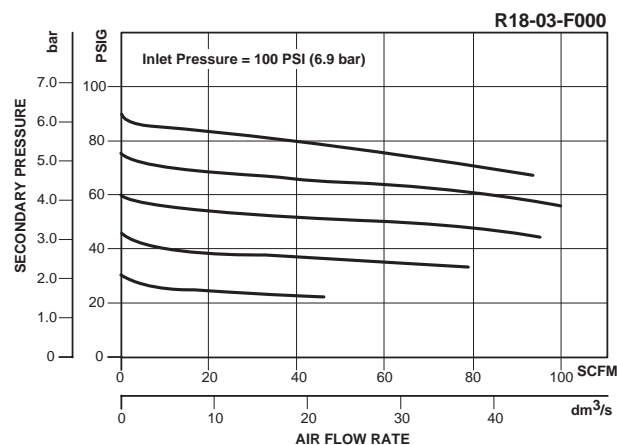
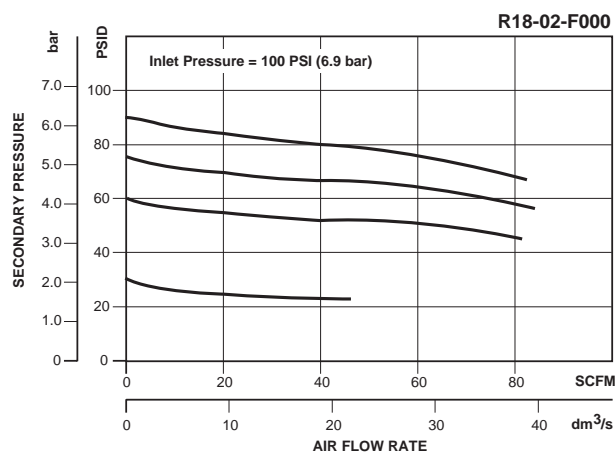
0-21 bar, 1-1/2" Dial Face, G 1/4 CBM K4515G14290

Tamper Resistant Kit.....RRP-96-671

Wall Mounting Bracket –

L-Type GPA-96-606

T-Type GPA-96-602



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.

Regulator Numbering System

= "Most Popular"

Unit Function

R

Unit Function

R Regulator

Family

18

Family

08 Miniature
18 Compact
28 Standard
39 Jumbo

Thread Type

0

Thread Type

0 NPT
C BSPP³

Pipe Size

3

Code	Pipe Size	08	18	28	39
1	1/8"	X			
2	1/4"	X	X		
3	3/8"		X	X	
4	1/2"		X	X	
6	3/4"			X	X
8	1"				X

Diaphragm Function

F

Diaphragm Function ⁵	Fluorocarbon ¹	0 to 30 PSIG ¹ (0 to 2.1 bar)	0 to 60 PSIG ¹ (0 to 4.1 bar)	0 to 125 PSIG (0 to 8.6 bar)	0 to 200 PSIG ^{1,6} (0 to 13.7 bar)	0 to 250 PSIG ^{1,6} (0 to 17.2 bar)
Relieving	No	C	D	F	H	G
	Yes	J	K	L	N	M
Non-relieving	No	P	W	R	T	S
	Yes	V	X	Y	U	Z

Options

0

Options

0 None

Options

G

Options

0 None
C Tamper Resistant
Regulator Adj^{1,2}
G Pressure Gauge⁴
P Metal Panel Nut
(08, 18 & 28 Only)
R Reverse Flow
(08, 18 & 28 Only)

Options

0

B

¹ Not Available on 39 Series.

² Tamper kit not installed. Kit is shipped loose in carton, for 08, 18 & 28 NPT units.

³ ISO, R228 (G Series).

⁴ For 08 Series only: "G" in position 8 or 9 is for unit with flush mounted pressure gauge. Units without gauge have 1/8" threaded gauge ports, and a center back mounted pressure gauge must be ordered separately.

⁵ 39 Series is piston type.

⁶ Not Available on 08 Series.

NOTE: When selecting from the options columns, please enter letters in alphabetical order for positions 7, 8, and 9.

For example:

R 1 8 - 0 3 - F 0 G 0