

WILKERSON®

Richland, Michigan 49083

FRL-SIF-604

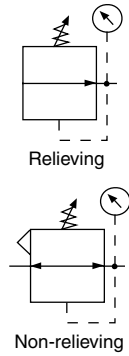
RB3 Brass Regulator

ISSUED: December, 2004

Supersedes: None

Brass Regulator RB3

 = "Most Popular"



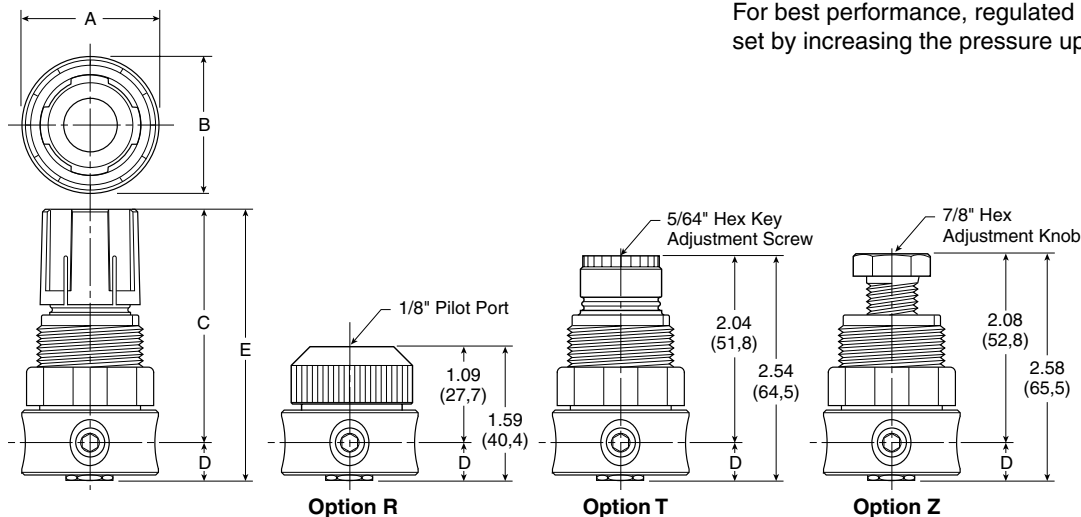
RB3-02-F000

Features

- Brass Body Construction Handles Water and Compressed Air Service
- Large Diaphragm to Valve Area Ratio for Precise Regulation and High Flow Capacity
- Spring Loaded Diaphragm
- High Flow: 1/4" -14 SCFM
- Panel Mount Nut Standard.
- Two 1/8" Gauge Ports

WARNING

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



Dimensions

Model	Inches (mm)	A	B	C	D	E
Brass Regulator - Miniature RB3-XX-XXXX		1.56 (39,8)	1.56 (39,8)	2.56 (65)	.50 (12,7)	3.06 (77,7)

Specifications

Flow Capacity*	1/4	14 SCFM (6,6 dm ³ /s)
Operating Temperature	40° to 125°F (4,4° to 51,7°C)	
Maximum Supply Pressure	300 PSIG (20,7 bar)	
Port Size	NPT / BSPP-G	1/8, 1/4
Weight	lb. (kg)	0.5 (0,23)

* Inlet pressure 100 PSIG (6,9 bar). Secondary Pressure 90 PSIG (6,2 bar).
(flow at 25% pressure drop)

Materials of Construction

Body	Brass
Bonnet	Acetal
Diaphragm & Seals	Nitrile
Valve Assembly & Bottom Plug	Brass

Note: Panel Nut included, but not shown on dimensional drawing.

Note: 1.19" dia. (30,2) mm hole required for panel mounting.

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.

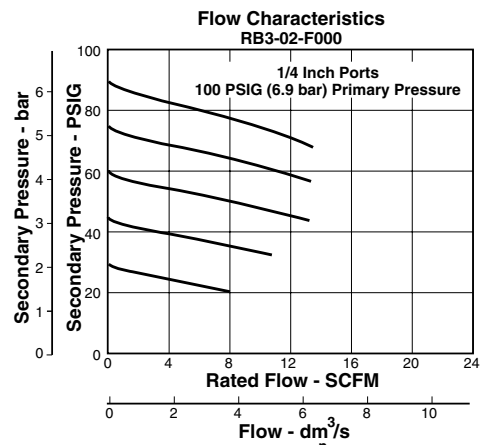
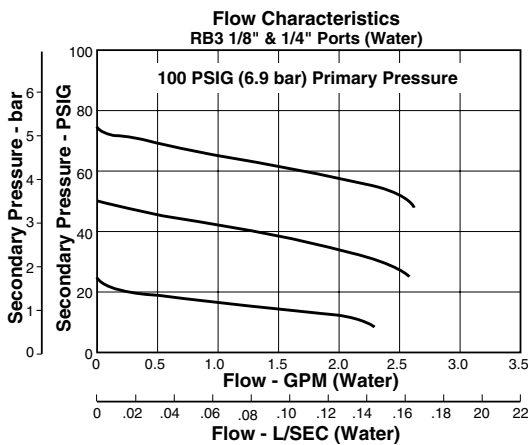
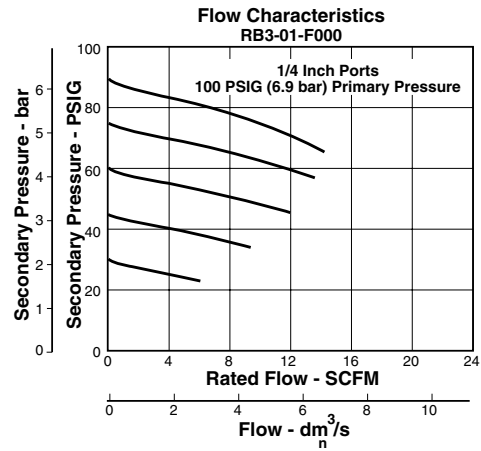
Repair Kits

- Bonnet, Knob, Adjusting Screw Kit RRP-96-821
- Bonnet, Tamper Resistant Adjustment Kit RRP-96-822
- Repair Kit, Relieving RRP-96-824
- Repair Kit, Non-relieving RRP-96-825

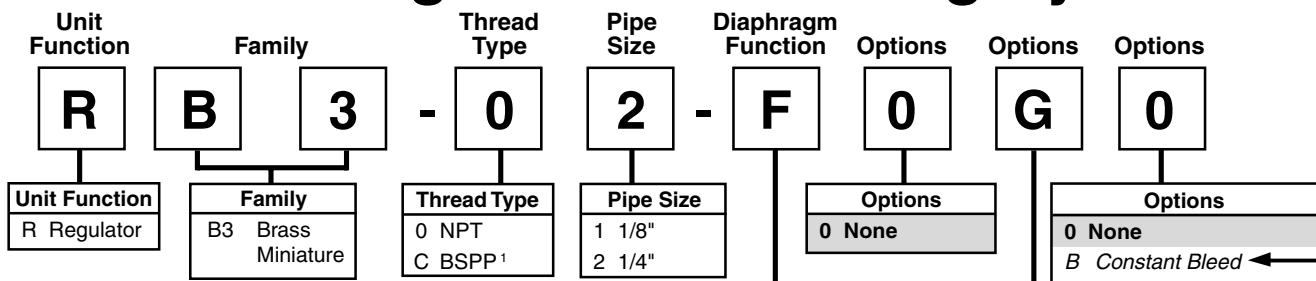
Accessories

- Gauge, Pressure, 0-160 PSI (0-11,0 bar),
1-1/2" Dial Face, 1/8" NPT, CBM GRP-95-227
- Gauge, Pressure, 0-60 PSI (0-4,1 bar),
1-1/2" Dial Face, 1/8" NPT GRP-95-228
- Panel Mount Nut, Aluminum RRP-96-733
- Panel Mount Nut, Plastic RPA-96-734
- Wall Mounting Bracket, L-Type GRP-95-147
- Wall Mounting Bracket, L-Type with
Plastic Panel Mount Nut GRP-95-747

= "Most Popular"



RB3 Series Regulator Numbering System



Diaphragm Function	Fluorocarbon	Spring Range		
		1 to 25 PSIG (0,07 to 1,7 bar)	1 to 60 PSIG (0,07 to 4,1 bar)	2 to 125 PSIG (0,14 to 8,6 bar)
Relieving	No	C	D	F
	Yes	J	K	L
Non-relieving ¹	No	P	W	R
	Yes	V	X	Y

¹ ISO, R228 (G Series)

NOTE: Standard pressure adjustment is plastic "snap lock" knob and plastic bonnet with plastic panel mount nut.

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

For example: **RB3 - 0 3 - F 0 G T**

Options

0 None

B Constant Bleed

G Pressure Gauge

R Remote Air Piloted

T Tamper Resistant

Regulator Adjustment

Z Brass Bonnet and Hex Adjustment Knob

NEW
OPTION