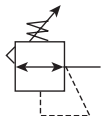
14R Regulators – Miniature

- Unbalanced poppet standard
- Solid control piston with lip seal for extended life
- Non-rising adjusting knob
- Compact design
- Very easy to service
- 1/8", 1/4" ports (NPT, BSPP, BSPT)



Port Size	Description	Part Number
1/8"	Without Gauge	**14R013FC**
1/8"	With Gauge	**14R018FC**
1/4"	Without Gauge	**14R113FC**
1/4"	With Gauge	**14R118FC**

NOTE: 1.218 Dia. (31 mm) hole required for panel mounting.

Operating information

Supply pressure (max):		0 to 300 psig (0 to 20.7 bar)
Secondary pressure ranges		
Standard		2 to 125 psig (0 to 8.6 bar)
Medium		1 to 60 psig (0 to 4.1 bar)
Medium		1 to 30 psig (0 to 2.1 bar)
Low		1 to 15 psig (0 to 1 bar)
Operating temperature:		32°F to 125°F (0°C to 52°C)
Low temperature		-4°F to 125°F (-20°C to 52°C)
Flow capacity†:		
High flow	1/8"	13 scfm (6.1 dm^3/s, ANR)
	1/4"	15 scfm (7.1 dm^3/s, ANR)
Gauge ports (2):		1/8 or 1/4 inch
Weight:		0.3 lb (0.14 kg)

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

Ordering Information:

14R | **1** | **13** | **F** | **C** | ☐ | ☐ | ☐

Port Size	
1/8 Inch Pipe, 1/8 Inch Gauge Port	0
1/4 Inch Pipe, 1/8 Inch Gauge Port	1
1/4 Inch Pipe, 1/4 Inch Gauge Port	B
1/8 Inch Pipe, No Gauge Port	C
Manifold Mounting	M

Pressure Range			
Yellow Knob		Black Knob	
Without Gauge			
30 psig	10	30 psig	B0
60 psig	11	60 psig	B1
15 psig	12	15 psig	B2
125 psig	13	125 psig	B3
With Gauge*			
30 psig	15	30 psig	B5
60 psig	16	60 psig	B6
15 psig	17	15 psig	B7
125 psig	18	125 psig	B8

* Not available with BSPP or BSPT port types.

Relief	
F	Relieving
G	Non-Relieving
H	Low Temp. Relieving
J	Low Temp. Non-Relieving

Engineering Level	
C	Current

Port Type	
Blank	NPT
1	BSPP
2	BSPT

Preset / Pressure Limited	
Blank	None
XXX*	Preset Pressure
XXX*	Pressure Limited

* Available preset / pressure limited range, 10 to 90 psig in 5 psig increments. For higher pressures, contact factory.

(Example: 065 = 65 psig)

Options	
Blank	No Options
L†	Preset Non-Adjustable
P†	Preset Adjustable
S†	Pressure Limiter Max. Adjustable
T†	Pressure Limiter Max. Non-Adjustable

† Inlet pressure is 100 psig. For other pressures contact factory.

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

☐ Most popular.

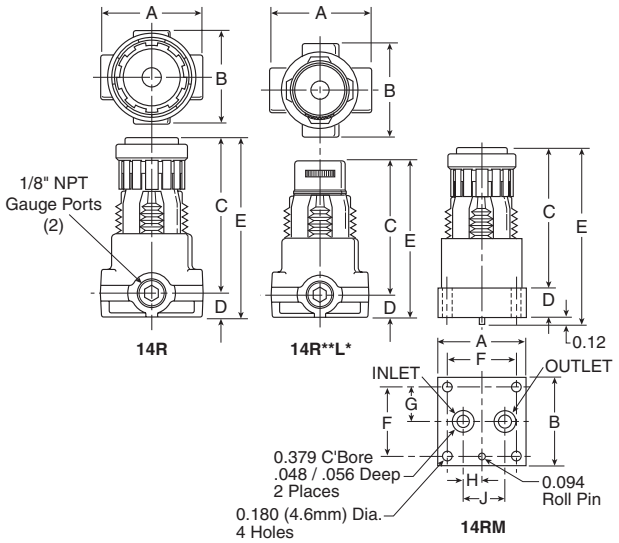
Material Specifications

Adjusting nut	Brass
Adjusting stem & spring	Steel
Body	Zinc
Bonnet, seat, piston & valve poppet	Plastic
Seals	Nitrile

Repair and Service Kits

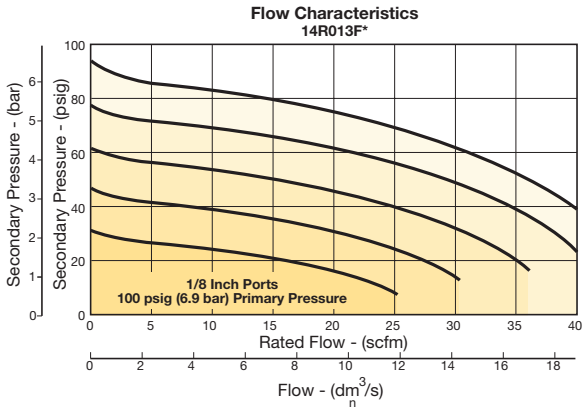
Bonnet assembly kit	**L01369**
Bonnet tamperproof kit	**P01265**
30 psig gauge, 1/8" NPT (0 to 2.1 bar)	**K4515N18030**
60 psig gauge, 1/8" NPT (0 to 4.1 bar)	**K4515N18060**
160 psig gauge, 1/8" NPT (0 to 11.0 bar)	**K4515N18160**
60 psig gauge, 1/4" NPT (0 to 4.1 bar)	**K4520N14060**
160 psig gauge, 1/4" NPT (0 to 11.0 bar)	**K4520N14160**
Mounting bracket kit* (includes panel mount nut)	**PS417BP**
Plastic panel mount nuts*	**P78652**
Metal panel mount nuts*	**P01531**
Unbalanced non-relieving, poppet / piston kit	**PS428P**
Unbalanced relieving, poppet / piston kit	**PS426P**
1-15 psig spring (yellow)	**P01176**
1-30 psig spring (black)	**P01175**
1-60 psig spring (white)	**P01174**
2-125 psig spring (gold)	**P01173**

* Tighten panel mount nut 2.8 to 3.4 Nm (25 to 30 in-lbs) of torque.

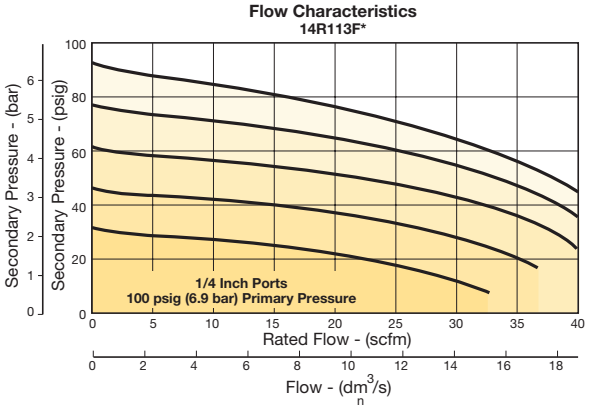


Flow Charts

14R 1/8" Regulators



14R 1/4" Regulators



⚠ 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.