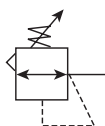


## 27R Regulators – Semi-Precision

- Fine adjustment sensitivity
- Good repeatability and minimal pressure drop
- High flow capacity
- Two 1/4" gauge ports
- Brass Poppet for long life
- Modular with 05 Series FRL
- Non-rising, removable knob
- Multiple porting options
- 1/4", 3/8" ports (NPT, BSPP, BSPT)



### Operating information


Bleed rate:	0.033 scfm (0.016 dm <sup>3</sup> /s, ANR)
Effect of supply variation:	0.5 psig (0.04 bar) for 25 psig (1.7 bar) change P <sup>1</sup>
Relief capacity:	0.5 scfm (0.24 dm <sup>3</sup> /s, ANR) @ 5 psig (0.4 bar) increase P <sup>2</sup>
Flow capacity†:	28 scfm (13.2 dm <sup>3</sup> /s, ANR) @ 100 psig (6.9 bar) P <sup>1</sup> and 20 psig (1.4 bar) P <sup>2</sup>
Inlet pressure (max):	250 psig (17.2 bar)
Temperature rating:	32°F to 175°F (0°C to 80°C)
Relief flow:	5.0 scfm (2.4 dm <sup>3</sup> /s, ANR)
Repeatability:	± .5 psig (±0.034 bar)
Response:	510 ms The valve will open to full flow and fill a volume of 100 in <sup>3</sup>
Gauge ports (2):	1/4 inch
Weight:	1.0 lb (0.45 kg)

† scfm = Standard cubic feet per minute at 150 psig inlet, 90 psig no flow secondary setting and 5 psig pressure drop.

### Ordering Information:

Port Size	Description	Part Number
1/4"	1-15 psi w/out Gauge, Relieving	<b>27R112AD</b>
1/4"	0-60 psi w/out Gauge, Relieving	<b>27R114AD</b>
1/4"	2-125 psi w/out Gauge, Relieving	<b>27R113AD</b>

NOTE: 1.53 Dia. (39 mm) hole required for panel mounting. Max panel thickness 1/4"

 Most popular.



For inventory, lead times, and kit

K14

**Parker Hannifin Corporation**  
Pneumatic Division

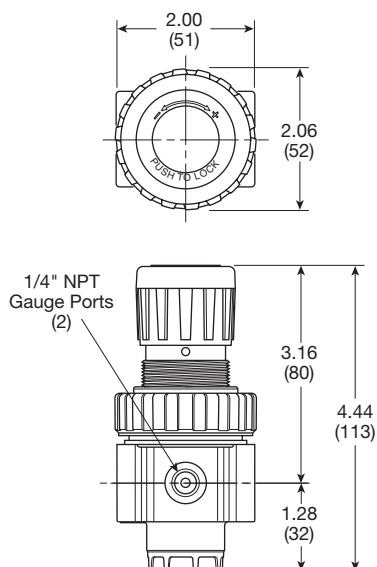
## Semi-Precision Regulators

### Material Specifications

Poppet	Brass
Bonnet	Plastic
Body	Zinc
Collar, knob	Plastic
Diaphragm	Nitrile
Bottom Cap	Plastic
Seals	Nitrile
Springs – poppet & control	Steel

### Repair and Service Kits

Bonnet assembly kit	<b>PS910P</b>
Control knob	<b>P0442001</b>
1-1/2" dial face 30 psig (0 to 2.1 bar), gauge	<b>K4515N14030</b>
1-1/2" dial face 60 psig (0 to 4.1 bar), gauge	<b>K4515N14060</b>
1-1/2" dial face 160 psig (0 to 11.0 bar), gauge	<b>K4515N14160</b>
1-1/2" dial face 300 psig (0 to 20.7 bar), gauge	<b>K4515N14300</b>
2" dial face 60 psig (0 to 4.1 bar), gauge	<b>K4520N14060</b>
2" dial face 160 psig (0 to 11.0 bar), gauge	<b>K4520N14160</b>
2" dial face 300 psig (0 to 20.7 bar), gauge	<b>K4520N14300</b>
Mounting bracket kit	<b>PS963P</b>
Panel mount nut, metal	<b>PS964P</b>
Service kit	<b>PS907P</b>
1-30 psig spring	<b>P04427</b>
1-15 psig spring	<b>P04428</b>
0-60 psig spring	<b>P04426</b>
2-125 psig spring	<b>P04425</b>



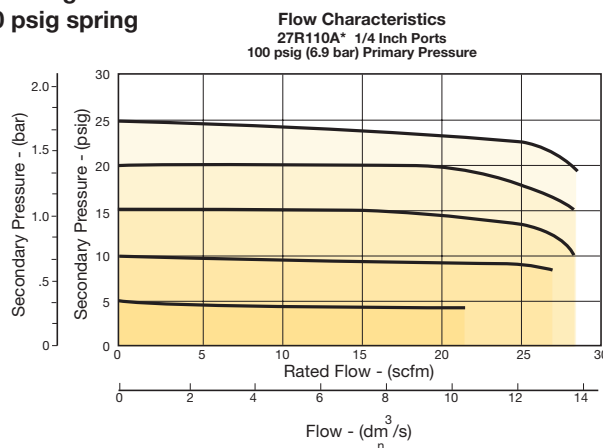
### WARNING

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

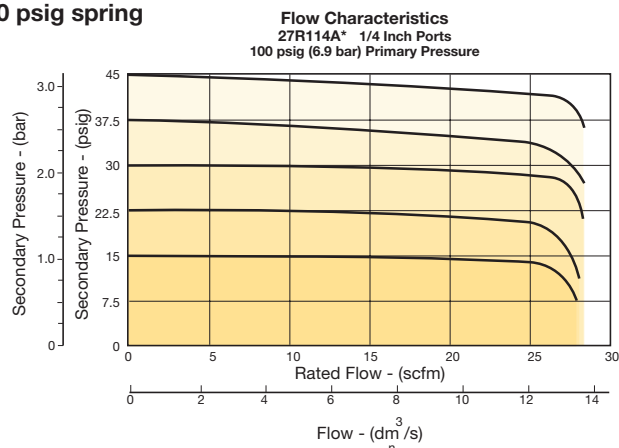
## Regulator Products

### Flow Charts

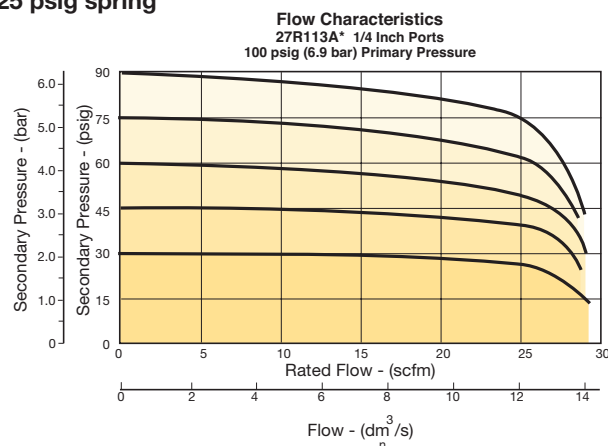
#### 1/4" Regulator 30 psig spring



#### 1/4" Regulator 60 psig spring



#### 1/4" Regulator 125 psig spring



### 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.



For inventory, lead times, and kit

K15

**Parker Hannifin Corporation**  
Pneumatic Division

General

Dial

Pilot

Proportional

Precision

Water

**K**  
Regulator  
Products