

## High Precision Vacuum Regulator

- Control sensitivity of .125" (.005 PSIG) (.32 cm) water column allows use in precision applications
- Balanced supply valve minimizes effects of vacuum variation
- Aspirator tube compensates for downstream pressure droop under flow conditions
- Separate control chamber isolates the diaphragm from the main flow to eliminate hunting and buzzing
- Construction allows servicing without removing from the line



**P3RA171 Series**

### Operating information

Vacuum supply:	29.92 Hg (760 torr) max
Ambient temperature:	-40°F to 200°F (-40°C to 93°C)
Sensitivity:	.125" (.005 PSIG) (.32 cm) water column
Flow capacity:	3 SCFM @ 650 torr supply, 250 torr setpoint
Vacuum supply effect:	Less than 1 torr for 100 torr (.04 Hg for 3.94 Hg) change in vacuum supply

### P3RA171 High Precision Vacuum Regulator



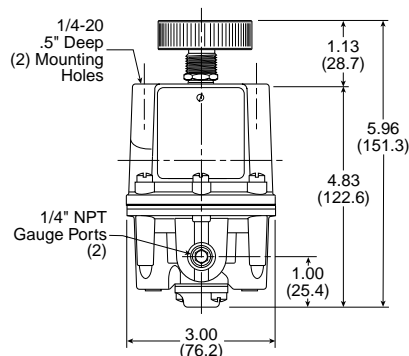
Port size	Spring	Part number
1/4"	0 to 30 Hg	<b>P3RA17132NNKN</b>

### Service kits

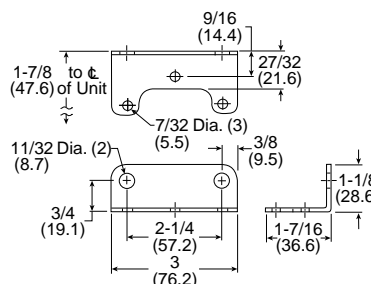
Service kit	Includes diaphragm, valve, seat assemblies and gasket	<b>PS20966-9</b>
Tamper resistant kit		<b>PS20967-1</b>
Mounting bracket kit, zinc plated steel		<b>PS09921</b>
Vacuum gauge		<b>266298A</b>

### Material specifications

Body and housing	Aluminum
Elastomers	Nitrile
Trim	Zinc plated steel, brass



### Mounting bracket



**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.

