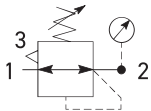
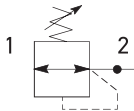


P33 Regulators – Standard

- Integral 1/2" or 3/4" ports (NPT & BSPP)
- Robust but lightweight aluminum construction
- Secondary pressure ranges
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation
- Relieving & non-relieving types
- Non-rising knob



Self relieving regulator
with gauge



Non-relieving regulator

Port Size	Description (relieving)	Gauge	Part Number
1/2"	125 psig (8 bar)	None	P33RA14BNGP
3/4"	125 psig (8 bar)	None	P33RA16BNGP

Operating Information

Flow capacity*:
1/2, 3/4 233 scfm (110 dm³/s, ANR)

Operating temperature: -13°F to 150°F (-25°C to 65.5°C)

Supply pressure (max): 300 psig (20 bar)

Adjusting range pressure:
0 to 30 psig (0 to 2 bar)
0 to 60 psig (0 to 4 bar)
0 to 125 psig (0 to 8 bar)
0 to 250 psig (0 to 17 bar)

Gauge port (2 each): 1/4 NPT, BSPP, BSPT

Weight: 1.37 lb (0.62 kg)

* Inlet pressure 145 psig (10 bar). Secondary pressure 91.3 psig (6.3 bar) and 14.5 psig (1 bar) pressure drop.

Ordering Information:

P33RA

Basic Series
Global Modular
Standard Regulator

P33RA

1

Thread Type

BSPP 1
NPT 9

6

Port Size

1/2 4
3/4 6

B

Relief

Relieving B
Non-Relieving N
Reverse Flow-Relieving R

N

Adjustment

Non-Rising Knob N

G

Adjustment Range

With Round Gauge
Z 30 psig; 2 bar; 0.2 MPa
M 60 psig; 4 bar; 0.4 MPa
G 125 psig; 8 bar; 0.8 MPa
J 250 psig; 17 bar; 1.7 MPa
Without Gauge
Y 30 psig; 2 bar; 0.2 MPa
L 60 psig; 4 bar; 0.4 MPa
N 125 psig; 8 bar; 0.8 MPa
H 250 psig; 17 bar; 1.7 MPa

P

Mounting

P Plastic Panel Mount Nut

Material Specifications

Body	Aluminum
Adjustment knob	Acetal
Body cap	ABS
Bonnet	Glass-filled nylon
Diaphragm assembly Nitrile / zinc	
Valve assembly	Brass / nitrile
Springs	Steel, stainless steel
Seals	Nitrile
Panel nut	Acetal

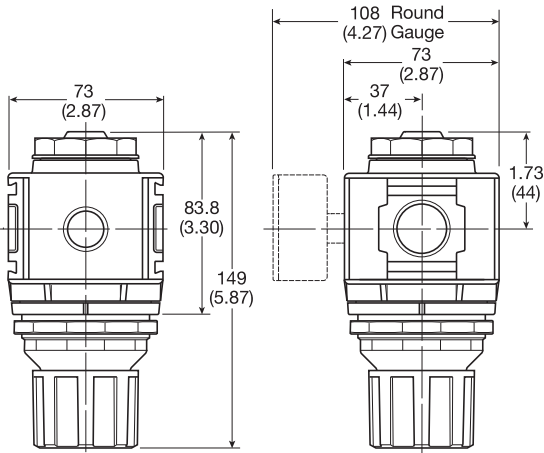
Repair and Service Kits

Panel mount nut - aluminum	P33KA00MM
Panel mount nut - plastic	P33KA00MP
Angle bracket (attaches via panel nut)	P33KA00MR
T-bracket with body connector	P32KA00MT
T-bracket	P32KA00MB
Body connector	P32KA00CB

**WARNING**

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

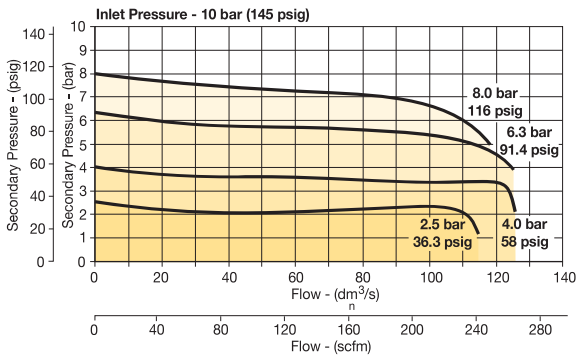
CAUTION:
REGULATOR PRESSURE ADJUSTMENT – The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, 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.



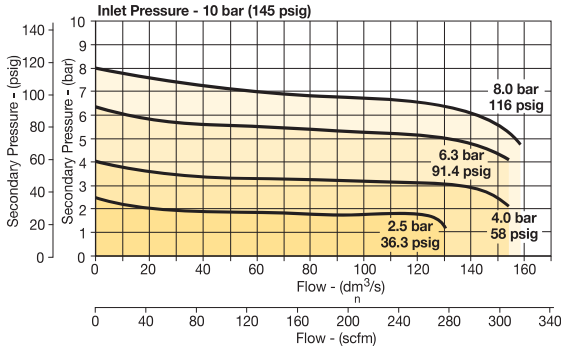
mm (Inches)
NOTE: 2.40 in. (61mm) hole required for panel nut mounting.

Flow Charts

P33RA 1/2" Regulator



P33RA 3/4" Regulator



Gauges

50mm (2") round	0-60 psig / 0-4 bar	P6G-ERB2040
1/4" center back	0-160 psig / 0-10 bar	P6G-ERB2110
mount	0-300 psig / 0-20 bar	P6G-ERB2200

For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.

Most Popular

