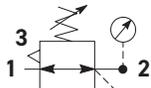
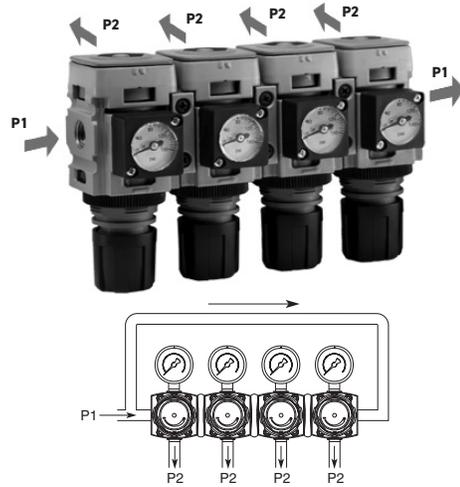
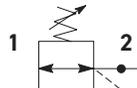


P31 Common P1 Regulators – Mini

- Manifold style regulator with line pressure on both sides
- Pressure output is at front or rear
- Inlet port 1/4" (NPT, BSPP & BSPT)
- Working port 1/8"
- Robust 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
1/4"	125 psig (8 bar)	Square	P31HB92BN5P

Operating information

Flow capacity*:
1/4 64 scfm (31 dm³/s, ANR)

Operating temperature: -4°F to 150°F (-20°C to 65.5°C)

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

Adjusting range pressure: 30 psig (0-2 bar)
60 psig (0-4 bar)
125 psig (0-8 bar)
232 psig (0-16 bar)

P1 port size (inlet/outlet) 1/4 NPT, BSPP, BSPT

P2 regulated ports (2 ea.) 1/8 NPT, BSPP, BSPT

Weight: 0.66 lb (0.30 kg)

* Inlet pressure 145 psig (10 bar). Secondary pressure 100 psig (6.9 bar) and 14.5 psig (1 bar) pressure drop.

Gauge supplied with every part. Gauge can be installed on the front or back of the regulator. If no gauge is installed, both seal screws must be installed.

Ordering Information:

P31HB

Basic Series	
Global Modular	
Mini Common	P31HB
Regulator	

9

Thread Type	
BSPP	1
BSPT	2
NPT	9

2

Port Size †	
1/4	2

† Working port 1/8".

Relief	
Relieving	B
Non-Relieving	N
Reverse Flow - Relieving	R

5

Adjustment Range With Square Gauge		
psig	Bar	MPa
1 = 30*	V = 2*	2 = 0.2*
3 = 60	S = 4	4 = 0.4
5 = 125	T = 8	6 = 0.8
7 = 232	W = 16	8 = 1.6

* Regulator comes with gauge respective to the adjustment range available.

P

Mounting	
P	Plastic Panel Mount Nut

N

Adjustment	
N	Non-Rising Knob

Most popular.



For inventory, lead times, and kit

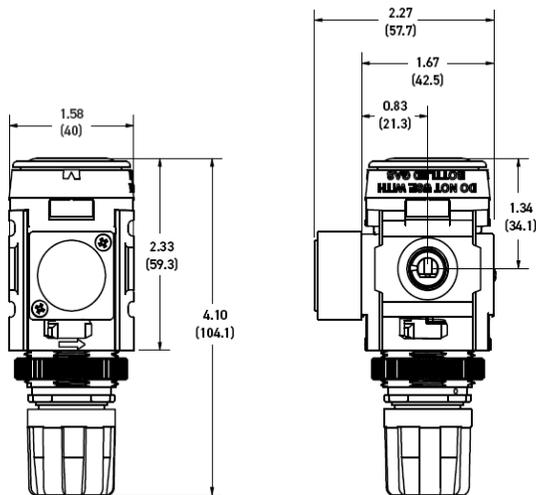
MINI Common P1 Regulators

Materials of Construction

Body	Aluminum
Adjustment knob	Acetal
Bonnet	Glass-filled nylon
Diaphragm assembly	Stainless steel / Nitrile
Valve assembly	Acetal / Nitrile

Repair and Service Kits

Panel mount nut - aluminum	P31KA00MM
Panel mount nut - plastic	P31KA00MP
Angle bracket (attaches via panel nut)	P31KB00MR
T-bracket with body connector	P31KA00MT
Body connector	P31KA00CB



NOTE: 1.20 in. (30mm) hole required for panel nut mounting.

WARNING

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

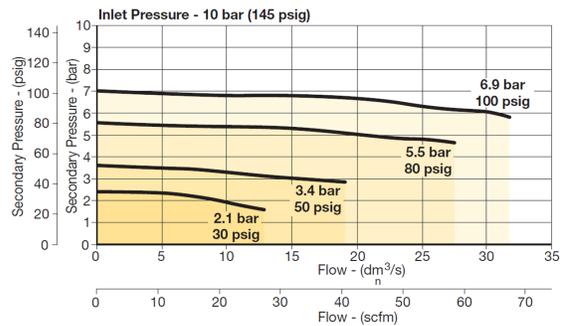
CAUTION:

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.

Regulator Products

Flow Charts

P31HB 1/4" Common Regulator



Gauges (*see note below)

Square flush mount gauge	0-160 psig	P31KA060XB
	0-160 psig	P31KA160XB
	0-290 psig	P31KA290XB
	0-4 bar	P31KA04BXB
	0-11 bar	P31KA11BXB
	0-20 bar	P31KA20BXB
	0-0.4 MPa	P31KA04MXB
	0-1.1 MPa	P31KA11MXB
	0-2.0 MPa	P31KA20MXB
	Square flush mount gauge	0-4 bar
0-11 bar		K4511SCR11B
0-60 psig		K4511SCR060
0-160 psig		K4511SCR160
Square with adapter kit	0-4 bar	P6G-PR10040
	0-11 bar	P6G-PR10110
	0-60 psig	P6G-PR90060
	0-160 psig	P6G-PR90160
1.00" Round 1/8" center back mount	0-60 psig / 1-4 bar	K4510N18060
	0-160 psig / 0-11 bar	K4510N18160
40mm Round 1/8" center back mount (not for use with common port regulators)	0-30 psig / 0-2 bar	K4515N18030
	0-60 psig / 0-4 bar	K4515N18060
	0-160 psig / 0-11 bar	K4515N18160

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

***For P31 Regulators with date code after November 2023 (4423 Date Code), please use these part numbers when ordering a replacement gauge.**

General

Dial

Pilot

Proportional

Precision

Water

K

Regulator Products



For inventory, lead times, and kit

K19

Parker Hannifin Corporation
Pneumatic Division