

Pilot Operated Regulators

Material specifications

Body	Aluminium
Body cover	ABS
Valve	Brass / NBR composite
Pilot valve booster	Aluminum
Seals	Nitrile NBR
Screws	Zinc plated steel



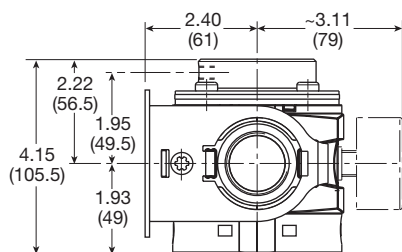
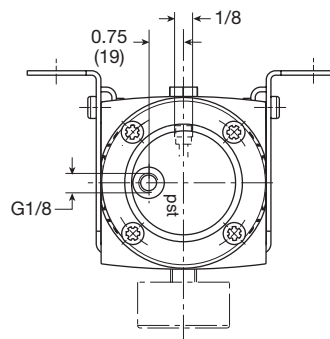
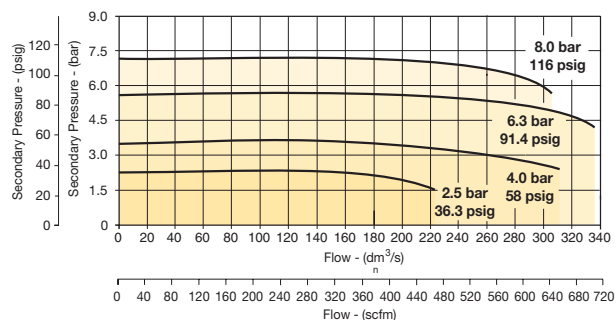
WARNING

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

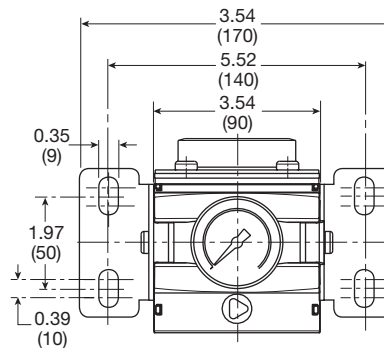
Regulator Products

Flow characteristics

3/4" and 1" Pilot Regulator



Inches (mm)



General

Dial

Pilot

Proportional

Precision

Water

K
Regulator
Products



For inventory, lead times, and kit

K63

Parker Hannifin Corporation
Pneumatic Division

P31P & P32P Proportional Regulators

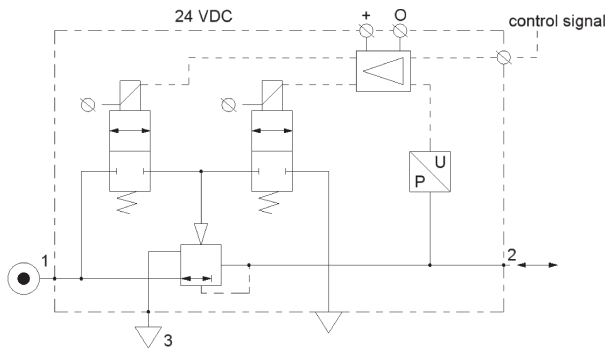
- Very fast response times
- Accurate output pressure
- Parameter settings
- Selectable I/O parameters
- Quick, full flow exhaust
- LED display indicates output pressure
- No air consumption in steady state
- Multiple mounting options
- Protection to IP65



P31P Series
Bottom exhaust



P32P Series
Bottom exhaust



Port Size	Description	Part Number
1/4"	145 psig (0-10 bar), NC 0-10V	P31PA92AD2VD1A
1/2"	145 psig (0-10 bar), NC 0-10V	P32PA92AD2VD1A

Operating information

Flow capacity*:	P31P	40 scfm (19 dm³/s, ANR)
	P32P	120 scfm (57 dm³/s, ANR)
Temperature range:		32°F to 122°F (0°C to 50°C)
Supply pressure (max):		
2 bar unit		36.3 psig (2.5 bar)
10 bar unit		152 psig (10.5 bar)
Operating pressure (min):		P2 pressure + 7.3 psig (0.5 bar)
Working medium:		Compressed air or inert gasses, filtered to 40µ
Pressure range:		
		0 to 30 psig (0 to 2 bar)
		0 to 145 psig (0 to 10 bar)
Weight:	P31P	0.64 lb (0.291 kg)
	P32P	1.42 lb (0.645 kg)

* Inlet pressure 91.3 psig (6.3 bar), inlet pressure and 4.9 psig (0.34 bar) pressure drop.

Ordering Information:

P31PA		9	2	A	D	2	V	D	1	A
Body Size		Thread Type		Power Supply		Control Signal		Input Connector		
Global Modular Mini (1/4") P31PA		BSPP 1		2 24 Volts		V 0-10V†		1 M12 (4-pin)		
Global Modular Compact (1/2") P32PA		BSPT 2				‡ Factory setting is 0-10 V control signal. 4-20 mA control signal available via parameter 4 on keypad.				
		NPT 9								
Port Size		Pressure Range		Output Signal						
Global Modular Mini (1/4") 2		Z 0 - 29 psig (0 - 2 bar)		D Digital, PNP						
Global Modular Compact (1/2") 4		D 0 - 145 psig (0 - 10 bar)		P PNP or 0-10V						
				N NPN or 0-10V						
				M 4-20mA Fixed						
Version										
Bottom Ported Exhaust (NC) A										
Bottom Ported Forced Exhaust (NO)† E										

† When the supply voltage is lost the unit will automatically exhaust the regulated pressure to 0 bar (atmospheric pressure)

D) Digital PNP output only, no analog output selectable
 P) Digital PNP and analogue 0-10V outputs selectable, by means of parameter 6. (Factory default 0-10V)
 N) Digital NPN and analogue 0-10 V outputs selectable by means of parameter 6. Factory default 0-10V)
 M) Analog 4-20mA output only.
 Note: On all analog outputs the F.S. value can be adjusted by means of parameter 8.

Most popular.



For inventory, lead times, and kit

K64

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