

# VSO-LP Long Performance Pressure Controller

## Pressure Controllers



The VSO-LP series provides single channel "I to P" control for industrial applications requiring long life and high accuracy. This voltage sensitive module promotes consistent, accurate flow while offering rapid depressurization. It incorporates an onboard sensing transducer and a VSO® patented proportional valve, plus a long life digital valve.

### Features

- Output pressure control
- Rapid depressurization
- High accuracy; high repeatability
- Low power consumption
- On-board pressure sensing transducer
- Silent operation; long life
- Analog control

### Physical Properties

<b>Valve Technology:</b>
Thermally compensated proportional valve, bleed valve
<b>Media:</b>
Non-corrosive gases
<b>Operating Environment:</b>
0 to 50°C (32 to 122°F)
<b>Storage Temperature:</b>
-40 to 65°C (-40 to 149°F)
<b>Length:</b>
1.52 in (39 mm)
<b>Width:</b>
1.66 in (42 mm)
<b>Height:</b>
2.79 in (71 mm)
<b>Porting:</b>
10-32 female ports

### Electrical

<b>Power:</b>
24 VDC + 10%
<b>Input Control Signal:</b>
0-5 VDC standard 4-20 mA available
<b>Monitor Output Voltage:</b>
0-5 volts
<b>Current Requirement:</b>
<250 mA
<b>Electrical Connector:</b>
6 pin miniature interface cable included

### Performance Characteristics

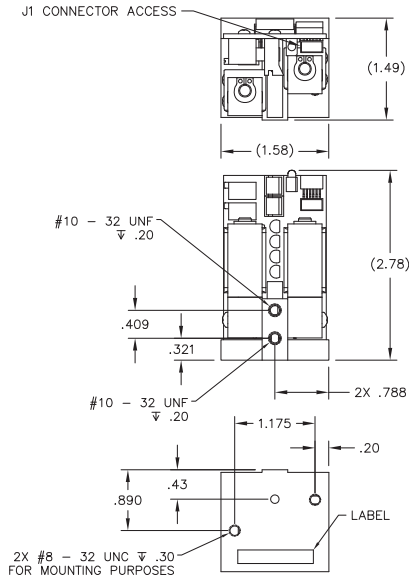
<b>Pressure Ranges:</b>
0-15 psig 0-100 psig
<b>Pressure Accuracy:</b>
± 1.5% FS max
<b>Response:</b>
<15 msec (Response time to target pressure is output volume dependent)
<b>Linearity:</b>
< ±1.5% FS

VSO is a registered trademark of Parker Hannifin Corporation.

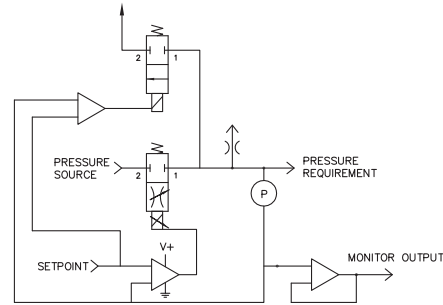


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## Dimensions

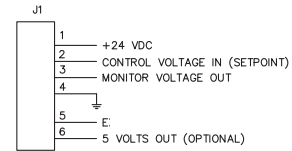


## Configuration



ELECTRO-PNEUMATIC SCHEMATIC

CONNECTOR PINOUT



Custom configurations are available.  
Contact factory for details.

## Ordering Information

### part number

	990-005403-015	990-005403-100
<b>Family</b>	VSO-LP	VSO-LP
<b>Configuration <sup>1</sup></b>	Standard	Standard
<b>Effective Orifice</b>	0.03	0.03
<b>Relief Valve Orifice</b>	0.03	0.03
<b>Power</b>	24 vdc	24 vdc
<b>Control Voltage <sup>2</sup></b>	0-5 vdc	0-5 vdc
<b>Pressure Range</b>	0 - 15 psig	0 - 100 psig
<b>Buy Online</b>	Y	Y



NOTE: Please consult Parker Precision Fluidics for other considerations. For more detailed information, visit us on the Web, or call and refer to Performance Spec. #790-002272-001 and Drawing #890-003186-002 PPF-EPC-002/US Sept 2009

For more information call 1 .800.525.2857 or email [ppinfo@parker.com](mailto:ppinfo@parker.com)  
Visit [www.parker.com/precisionfluidics](http://www.parker.com/precisionfluidics)

