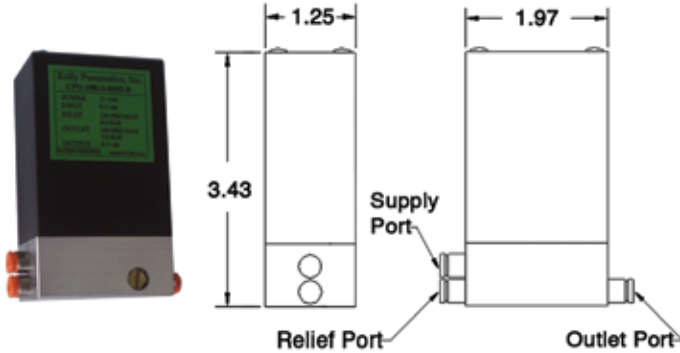


Low Flow Pressure Regulator



Internal Transducer Version

Mediums: Air, Non-Corrosive Gases



Pressure Range: 0-98 PSI,
0-14.7 PSI (Vacuum)

Valve Type: Relieving or Non-Relieving

Medium: Air, Nitrogen, Helium, Water,
Gasoline, other mediums

Pressure Accuracy: +/- 2% or less (Full Span)

Linearity: <+/- 1% or less (Full Span)

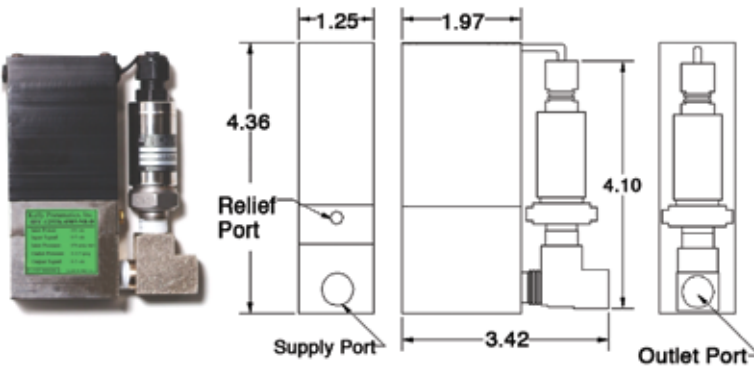
Response Time: < 250 milliseconds (Mid Span)

Maximum Flow: 6 SLPM at 100 PSIG

Connections: #10-32, 5/32" OD Tube Fitting,
1/8" FPT, or 1/4" FPT
Supply and Outlet Ports,
#10-32 Female Exhaust Port (if applicable)

External Transducer Version

Mediums: Water, Corrosive Gases and Liquids



Weight: 320 grams or .70 pounds (with External)
250 grams or .55 pounds (with Internal)

Power Required: 12 and 24 VDC +/- 10%,
or 110 VAC adapter included
with Turnkey version

Input Signal: 0-5, 1-5, 1-9, 1-10, 0-10
VDC, or 4-20 milliamps
Internal: Adj. Potentiometer

Output Signal: 0-5 or 1-5 VDC

Operating Temp: 0-150 °F or 0-65 °C

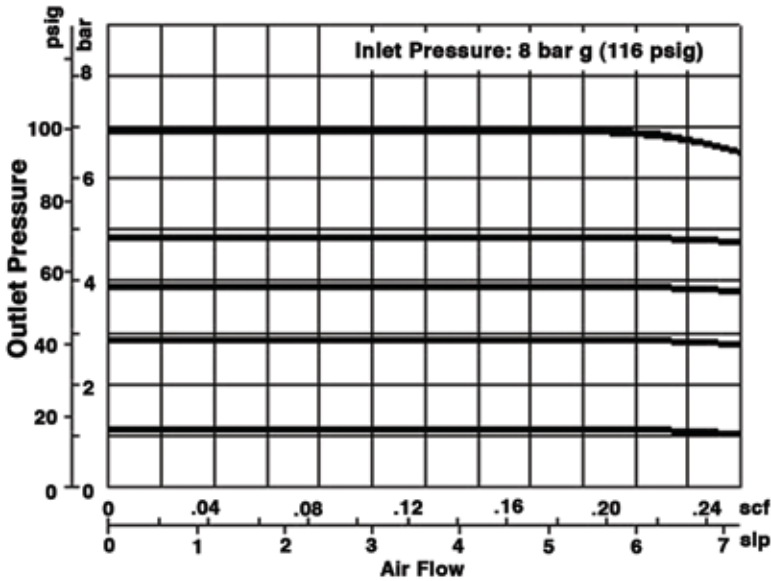
* All Dimensions are in inches

Kelly Pneumatics, Inc. offers a dual proportional valve design, Electronic Precision Pressure Regulator with I/P transducer control circuitry. Designed specifically for low volume flow rates, this regulator precisely sustains both positive and negative outlet pressures, even during dynamic changes in outlet flow rates, and provides exceptional closed-loop, proportional, output pressure control characteristics. This product can be further customized to include a wall adapter connection for power supply, an inline filter, and a mechanical gauge.

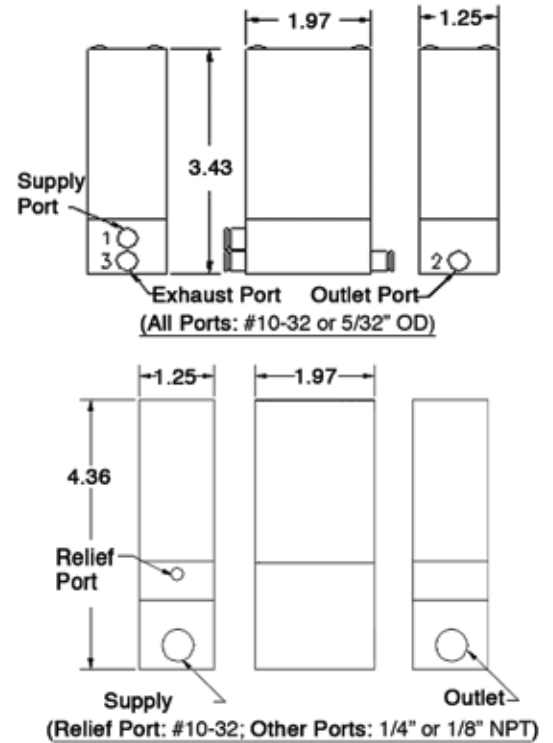
Low Flow Pressure Regulator



Typical Performance Characteristics



Internal Transducer Dimensions

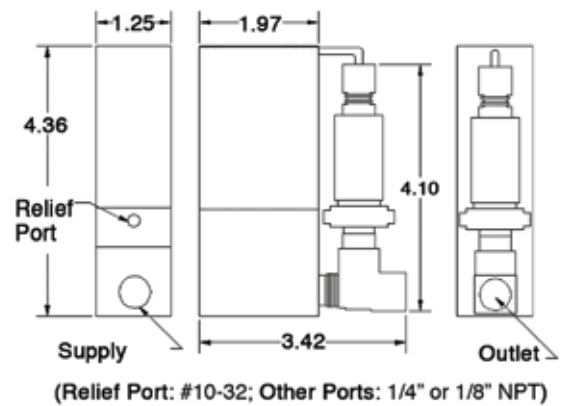


Wiring Description

Terminal No.	1*	2	3	4
Lead Wire Color	Brown	White	Blue	Black
Wiring	Power Supply	Input Signal	Common (Ground)	Output Signal

* Omitted with Turnkey Version

External Transducer Dimensions



Part Numbering System

LFR - - * - - **

* If both options are 00 leave blank and remove preceding dash

** One or more options can be chosen, with each corresponding number added after final dash

Pressure Range:

- 100 - 0 to 100 psig
- 50 - 0 to 50 psig
- 25 - 0 to 25 psig
- 15 - 0 to 15 psig
- N14 - 0 to -14.7 psig

+

Power Supply:

- TK - Turnkey (supplied)
- 12 - Wire Leads, 12 volt
- 24 - Wire Leads, 24 volt

Inlet Signal:

- 00 - no inlet signal
- 05 - 0 to 5 vdc
- 15 - 1 to 5 vdc
- 19 - 1 to 9 vdc
- 010 - 0 to 10 vdc
- 110 - 1 to 10 vdc
- 420 - 4 to 20 ma

+

Outlet Signal:

- 00 - no outlet signal
- 05 - 0 to 5 vdc
- 15 - 1 to 5 vdc

Regulator Type:

- R - Relieving
- NR - Non-Relieving

+

Inlet/Outlet Ports:

- Blank - #10-32
- 5 - 5/32 inch OD
- 4 - 1/4 inch FPT
- 8 - 1/8 inch FPT

Additional Options:

- Blank - None
- G - Pressure Gauge
- F - Filter

* All Dimensions are in inches