



# High Flow Electronic Pressure Regulator

Kelly Pneumatics, Inc. offers a reduced cost, single or dual-valve design, Electronic Pressure Regulator with I/P transducer control circuitry. This electronic pressure regulator is designed specifically for high volume flow rates, and precisely controls both positive and negative outlet pressure ranges, even during dynamic changes in outlet flow rates. By utilizing either an externally supplied dynamic/static input signal or an on-board adjustable set-point value, the High Flow Precision Regulator provides exceptional closed-loop, proportional, output pressure control characteristics. Our electronic pressure regulators offer significant improvements over traditional dual on/off valve electronic regulators. Utilizing our patented proportional valve design for both internal fill and dump valves gives a smooth and accurate output pressure, as opposed to dual on/off valve designs that cause substantial shock waves in the regulated pressure signal.



## Specifications

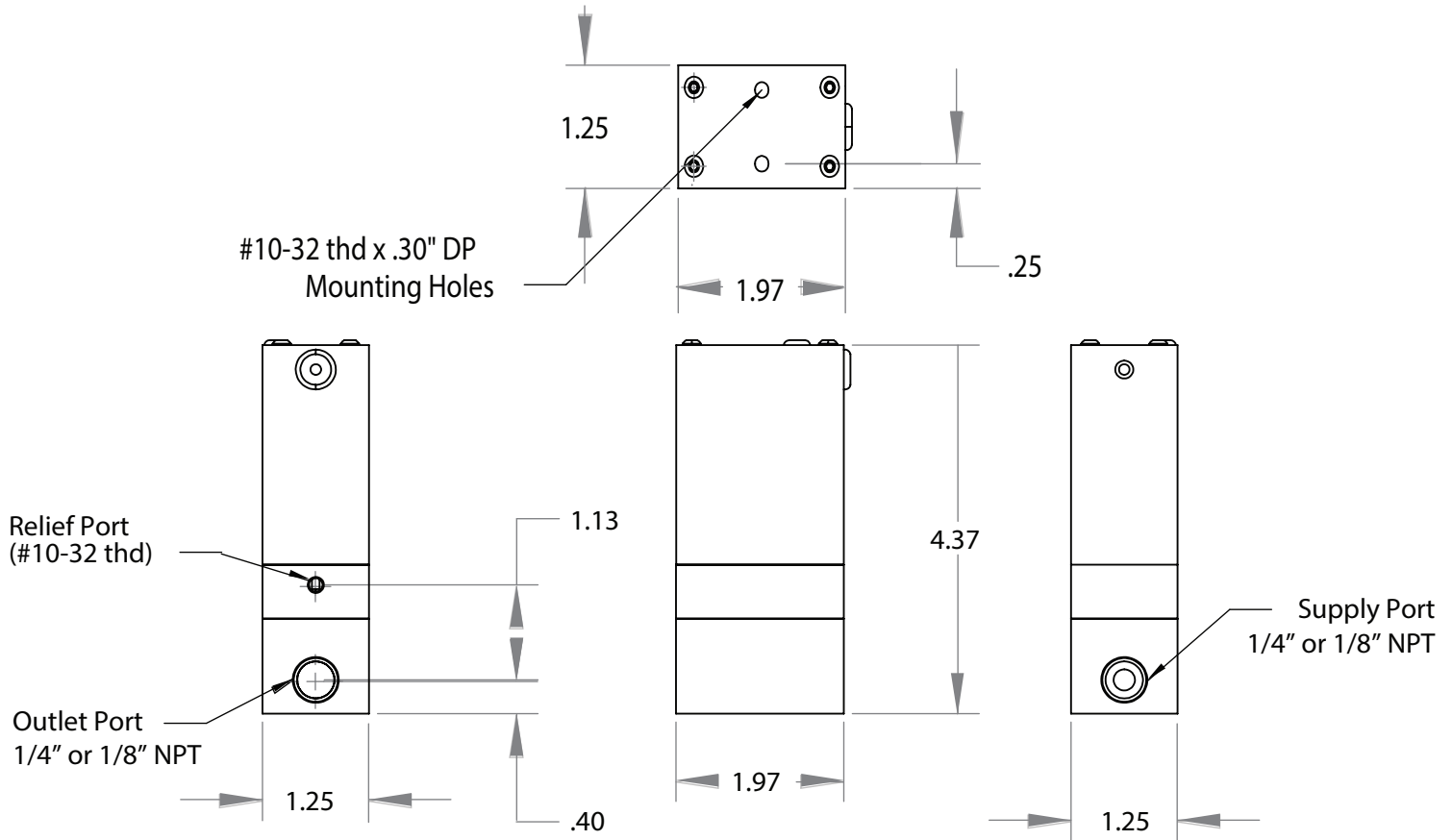
|                   |  |
|-------------------|--|
| Pressure Range    | 14.7 to 100 PSI (standard) 0 to 300 psig (custom)  |
| Pressure Accuracy | +/- 1% or less ( full span)  |
| Linearity         | +/- 1% or less ( full span)  |
| Response Time     | less than 250 milliseconds (as low as 50 ms)   |
| Max Flow Rate     | 515 slpm / 18.2 scfm @ 100psi  |
| Connections       | 1/8" or 1/4" FPT Supply and Outlet Ports, #10-32 Female Exhaust Port (if applicable)     |
| Weight            | 1.0 lb   |
| Power Required    | 12 or 24 vdc (wire Leads); 110 VAC ( TURNKEY)  |
| Current Required  | 90 ma to 480 ma  |
| Control Signal    | 0-5 volts, 0-10 volts or 4-20 mA   |
| Feedback Signal   | 0-5 or 0-10 volts  |
| Manual Control    | Adjustable Potentiometer   |
| Operating Temp    | 32 - 150 F or 0-65 C   |
| Filtration        | 40 Micron Recommended  |
| Wetted Materials  | Cold rolled stainless steel w/ electroless nickel plating, brass and 304 stainless steel |





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## Dimensions



## Part Numbering System

