



SYSTEMS, INC.

AIR PRESSURE TRANSDUCER SYSTEM & MOUNTING BLOCK ASSEMBLY 90-4A10

**EXTERNAL FEEDBACK
SIGNAL**

**LOW POWER
CONSUMPTION**

**LONG LIFE
INTERNAL AIR FILTRATION**



**INCREASED STABILITY
USER CONTROL OF GAIN**

**FAST ACTUATION TIMES
<0.1 sec 10-90% STEP**

**HIGH FLOW
TO 1400 lpm**

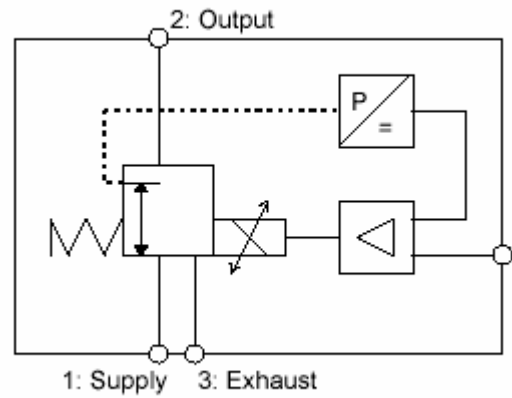
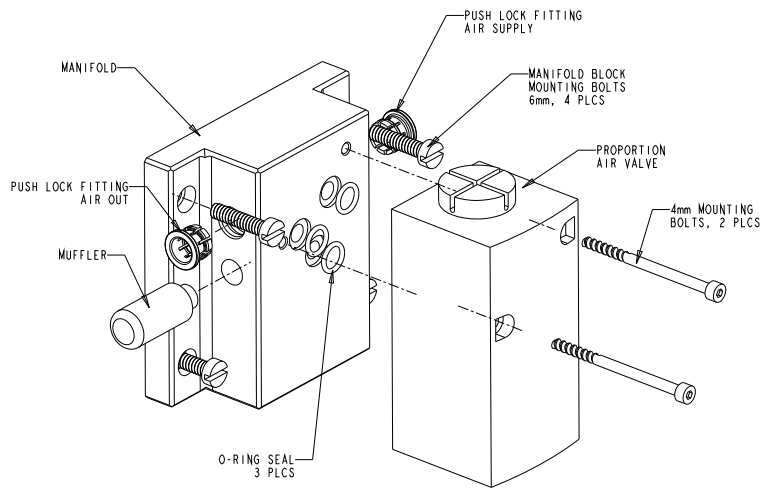
**CLOSED LOOP
ELECTRONIC CONTROL**

**HIGH ACCURACY
< 1% TOTAL ERROR**

ISO 9001

Quality Management System

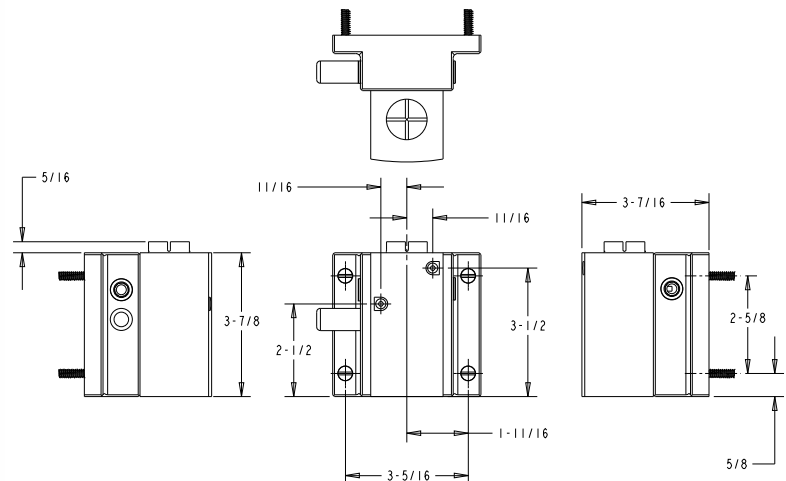
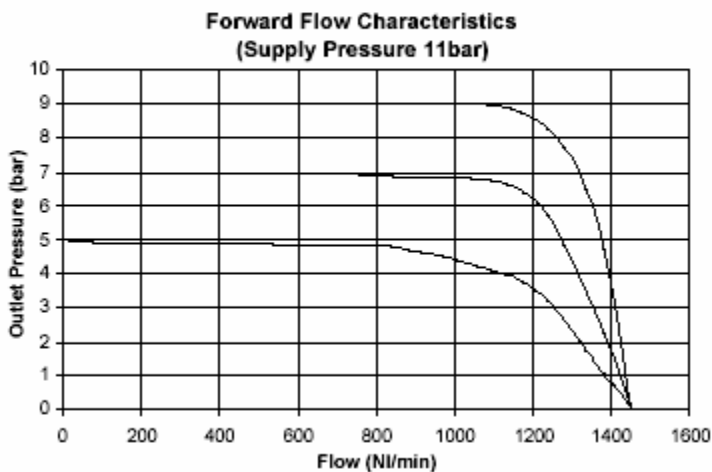
Phone 410-939-7155 • Fax 410-939-7160 • Toll Free 800-365-5897
1325 Post Road • Havre de Grace • MD • 21078



TECHNICAL DATA

- Air filtered to 50 micron
- Proportional Operation Activated by Spool Valve
- Flow Capacity to 1400 lpm
- Greater Than .75% Supply Sensitivity Span Output Changer Per Bar Supply Pressure Change
- Step Response Time: 10-90% <80ms
- Frequency Response: 10% amplitude -3dB limit = 6Hz; 90% Amplitude -3dB limit = 5Hz
- <5 NI/min Air Consumption
- >30 Million Stroke Life Cycle (100% Step)
- Constructed of Aluminum Body, Zinc Die Cast Lid and End Cover with a Thermoplastic Manifold (for Mounting)
- Electrical Input Signal: 4-20mA
- Electrical Power Input: 24VDC \pm 25% (Power Usage <1W)
- Output Pressure Feedback Signal: 0-10V full range

Characteristic Curves



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