Precision Pneumatic and Electropneumatic Controls

Current-to-Pressure (I/P) Transducers
Voltage-to-Pressure (E/P) Transducers
Pressure-to-Current (P/I) Transducers
Precision Air Pressure Regulators
Filter Regulators
Volume Boosters
Snap Acting Relays
Bias Relays
Motorized Regulators
Liquid Level Systems
Friction-free Diaphragm Air Cylinders
Custom Engineered Devices
Volume Boosters/Air Relays

Type 200

Pilot operated, multi-stage 1:1 relay with positive and negative biasing adjustment capability. It accurately and quickly reproduces a signal pressure with consistent repeatability.
- Output control to within 0.1% of full range
- Positive or negative bias up to 30 psig
- High relief capacity model available
- Compact unit
- Available with external bias adjustment (shown)

Type 600

Utilizes a signal pressure to produce an output pressure with high flow capacity. Highly resistant to output variation due to changing flow and supply pressure conditions.
- Flow capacity to 50 SCFM
- Available with 1:1, 1:3 or 1:6 signal to output ratio
- High relief capacity

Type 650

Signal-operated regulator provides an output pressure that is the sum of the input signal pressure plus an easily adjustable preset positive bias.
- Four bias ranges from 0–15 psig to 0–150 psig
- Flow capacity to 50 SCFM
- Relief capacity to 15 SCFM

Type 6000

1-to-1 signal to output relay that, when used with a positioner/actuator, increases speed of control valves.
- High air volume for rapid actuator stroking
- Adjustable bypass valve eliminates actuator overshoot or overdamping
- Soft seat sealing for tight shut off
- Available in aluminum or 316 stainless steel construction

Precision Air Relay

Flow Capacity SCFM (m3/hr) 14 (25)
Exhaust Capacity SCFM (m3/hr) 2.0 (3.4)
Standard Relief 2.0 (3.4)
High Relief Capacity 10 (17)
Supply Pressure Max PSIG (BAR) 150 (10)
Output Pressure Range PSI (BAR) 0-210 (0-14.8)
Approximate Size (inches) 2.06 x 2.06 x 2.88
Approximate Size (mm) 52 x 52 x 73

Type 70

Set to trip on either an increasing or decreasing control signal, the Mite 70 will vent one port to atmosphere while it locks up the pressure in a second line. The tripped position is then held indefinitely until the control signal is restored and a manual reset button is pushed.

Super Mite 71L/71H

Automatically selects the higher or lower of two pneumatic inputs and passes it downstream while blocking the other. Capable of almost instantaneous selection, and can separate pressure differentials as low as a tenth of a psi.

Super Mite 74

Combines the Mite 70 control relay with a precision 2-way or 3-way valve in a single compact package. Either an increasing, decreasing or remote signal can be used to channel air as needed.

Mite 85

Allows two adjustable trip points that control flow through a 3-way valve. An increasing signal that exceeds the high trip point will open “F” port to “H”. A decreasing signal pressure that drops below the low trip point will vent port “H”.

Diaphragm Air Cylinders

A rolling diaphragm provides a low-friction dynamic seal. This design provides virtually frictionless conversion of fluid pressure to linear force.
- Low hysteresis
- No blow-by leakage
- Available with linear ball bearings
- Standard units are easily modified to meet individual customer requirements

Mite 70

- Snap-acting control relay with manual reset
- Pressure Rating 100 psig max
- Temperature Limits -40°F to +180°F
- Port Sizes Tapped for 1/4” NPT with 1/8” internal ports
- Materials Aluminum, plated steel, neoprene, brass and stainless steel

Super Mite 71L/71H

- High pass or low pass pneumatic selecting relay
- Pressure Rating 100 psig max
- Temperature Limits -40°F to +180°F
- Port Sizes Tapped for 1/4” NPT with 1/8” internal ports
- Materials Aluminum, plated steel, neoprene, brass and stainless steel

Mite 74

- Snap-acting 3-way valve with integral 3-way valve
- Pressure Rating 100 psig max
- Temperature Limits -40°F to +180°F
- Port Sizes Tapped for 1/4” NPT with 1/8” internal ports
- Materials Aluminum, plated steel, neoprene, brass and stainless steel

Mite 85

- Snap-acting 3-way valve with two trip points
- Pressure Rating 120 psig max
- Temperature Limits -40°F to +180°F
- Port Sizes Tapped for 1/4” NPT with 1/8” internal ports
- Materials Aluminum, plated steel, neoprene, brass and stainless steel

Volume Booster

Supply & Signal Pressure 150 psig (10 BAR) max
Max Flow Coefficients (Ex) Supply 3.0 / Exhaust 3.0
Flow Capacity 115 scfm (195.4 m3/hr)
Deadband Under 0.25 psig (0.017 BAR)
Signal to Output Ratio 1.1 ± 5%
Temperature Limits -40°F to 160°F (-40° to 71°C)

Model In/Out Port Construction
6000-DA 1/2” NPT Aluminum
6000-EA 3/4” NPT Aluminum
6000-DS 1/2” NPT Stainless Steel
6000-ES 3/4” NPT Stainless Steel

Super Mite 71L/71H

Port Size Signal/Output Pressure Model #
1/4” 2-120 psig 200-BC
3/8” 2-120 psig 200-CC

High Relief Capacity
1/4” 2-120 psig 210-BC
3/8” 2-120 psig 210-CC

Volume Booster

Flow Capacity SCFM (m3/hr) 50 (85)
Exhaust Capacity SCFM (m3/hr) 15.0 (26.0)
Sensitivity Inch wc (mm) 0.25 (6.4)
Supply Pressure Max PSI (BAR) 250 (17)
Output Pressure Range PSI (BAR) 0-150 (0-10)
Approximate Size (inches) 0.24 x 0.24 x 0.76
Approximate Size (mm) 6 x 6 x 19

Type 6000

Port Size NPT Signal/Output Ratio Model #
1/4” 1.0 6000-A
3/8” 1.0 6000-C
1/2” 1.0 6000-D
1/4” 1.3 6000-B
3/8” 1.3 6000-C
1/2” 1.3 6000-D
1/4” 1.6 6000-F
3/8” 1.6 6000-D
1/2” 1.6 6000-D

High Relief Capacity
1/4” 2-120 psig 210-BC
3/8” 2-120 psig 210-CC

Volume Booster

Flow Capacity SCFM (m3/hr) 50 (85)
Exhaust Capacity SCFM (m3/hr) 15.0 (26.0)
Sensitivity Inch wc (mm) 0.25 (6.4)
Supply Pressure Max PSIG (BAR) 250 (17)
Output Pressure Range PSI (BAR) 0-150 (0-10)
Approximate Size (inches) 0.30 x 0.30 x 0.89
Approximate Size (mm) 7.5 x 7.5 x 22.5

Type 650

Port Size NPT Signal/Output Ratio Model #
1/4” 1.1 600-A
3/8” 1.1 600-C
1/2” 1.1 600-D
1/4” 1.3 600-B
3/8” 1.3 600-C
1/2” 1.3 600-D
1/4” 1.6 600-C
3/8” 1.6 600-D
1/2” 1.6 600-D

Positive Bias Relay

Flow Capacity SCFM (m3/hr) 50 (85)
Exhaust Capacity SCFM (m3/hr) 15.0 (26.0)
Sensitivity Inch wc (mm) 0.25 (6.4)
Supply Pressure Max PSI (BAR) 250 (17)
Output Pressure Range PSI (BAR) 0-150 (0-10)
Approximate Size (inches) 0.30 x 0.30 x 0.89
Approximate Size (mm) 7.5 x 7.5 x 22.5

Model In/Out Port Construction
6000-DA 1/2” NPT Aluminum
6000-EA 3/4” NPT Aluminum
6000-DS 1/2” NPT Stainless Steel
6000-ES 3/4” NPT Stainless Steel

Type 600

Port Size NPT Signal/Output Ratio Model #
1/4” 1.1 600-DA
3/8” 1.1 600-CA
1/2” 1.1 600-DA
1/4” 1.3 600-C
3/8” 1.3 600-CA
1/2” 1.3 600-DA
1/4” 1.6 600-DB
3/8” 1.6 600-CD
1/2” 1.6 600-CD

Positive Bias Relay

Flow Capacity SCFM (m3/hr) 50 (85)
Exhaust Capacity SCFM (m3/hr) 15.0 (26.0)
Sensitivity Inch wc (mm) 0.25 (6.4)
Supply Pressure Max PSIG (BAR) 250 (17)
Output Pressure Range PSI (BAR) 0-150 (0-10)
Approximate Size (inches) 0.30 x 0.30 x 0.89
Approximate Size (mm) 7.5 x 7.5 x 22.5

Model In/Out Port Construction
6000-DA 1/2” NPT Aluminum
6000-EA 3/4” NPT Aluminum
6000-DS 1/2” NPT Stainless Steel
6000-ES 3/4” NPT Stainless Steel

Diaphragm Air Cylinders

- A rolling diaphragm provides a low-friction dynamic seal
- This design provides virtually frictionless conversion of fluid pressure to linear force
- Low hysteresis
- No blow-by leakage
- Available with linear ball bearings
- Standard units are easily modified to meet individual customer requirements
Type 100

Multi-stage regulator provides the highest level of regulation accuracy and repeatability available. Output pressure is controlled to within 0.1% of full range.

- Insensitive to changes in supply pressure and flow
- Able to hold set pressure over long periods of time
- High relief capacity, plunger operated, manifold mounted, and low range models are available
- Compact size

Also Available:
Type 100HR High Relief Capacity
Range: 2-120 (0.14-8) / Port Size: 1/4
Model # 110-BC
Approximate Size (inches) 3/8 x 3/8 x 3.96
Approximate Size (mm) 2 x 2 x 108

Type 100LX Low Range
Range: 0.5-25 (0.03-1.7) / Port Size: 1/4
Model # 120-BA
Approximate Size (inches) 3/8 x 3/8 x 3.13
Approximate Size (mm) 2 x 2 x 8.11

Precision Air Pressure Regulator

Flow Capacity SCFM (m³/hr) 14 (25)
Exhaust Capacity SCFM (m³/hr) 3 (5.1)
Sensitivity Inch wc (mm) 0.125 (3.2)
Supply Pressure Max PSIG (BAR) 150 (10)
Approximate Size (inches) 2.0 x 2.06 x 4.26
Approximate Size (mm) 52 x 52 x 108

Range PSIG (BAR) Port Size NPT Model#
2-40 (0.14-2.7) 1/8 100-A8
1/4 100-B8
3/8 100-C8
2-60 (0.14-4) 1/8 100-AB
1/4 100-BB
3/8 100-EB
2-120 (0.14-8) 1/8 100-AC
1/4 100-BC
3/8 100-CC

Type 300

Designed to provide clean, accurate air pressure to instruments, valves, and other control equipment. Durable materials of construction in combination with an epoxy paint finish provide long lasting corrosion resistance in harsh industrial environments.

- Provides constant control of pressure under variable flow rates and supply pressures
- High capacity, long lasting depth filter
- Epoxy finish is standard
- Low drop
- Through body mounting
- Materials in the Type 310 meet NACE MR-01-75 requirements

Instrument Air Filter & Air Filter Regulator

Flow Capacity SCFM (m³/hr) 22 (37.0)
Exhaust Capacity SCFM (m³/hr) 0.1 (0.17)
Sensitivity Inch wc (mm) 1.0 (25.0)
Supply Pressure Max PSIG (BAR) 250 (17)
Type 300 & Type 310 Filter Regulators
Approximate Size (inches) 3.13 x 3.13 x 7.50
Approximate Size (mm) 80 x 80 x 190
Type 320 Filter
Approximate Size (inches) 3.13 x 3.13 x 3.96
Approximate Size (mm) 80 x 80 x 100

Range PSIG (BAR) Port Size NPT Model#
0-10 (0-0.7) 1/4 300-BD
0-30 (0-2) 1/4 300-BA
0-60 (0-4) 1/4 300-BB
0-120 (0-8) 1/4 300-BC

Type 310 NACE Compliant

Range PSIG (BAR) Port Size NPT Model#
0-30 (0-2) 1/4 310-BA
0-60 (0-4) 1/4 310-BB
0-100 (0-7) 1/4 310-BC

Type 350

Designed to maintain instrument quality air in corrosive environments. Will also provide precise pressure control of sour gases.

- 316 Stainless Steel Internal and External
- Viton® Seals
- NACE approved
- Large flow capacity
- Low air consumption
- Tapped exhaust

Type 350/360/370SS

Stainless Steel Filter Regulator, Regulator & Filter

Maximum Flow Capacity SCFM (m³/hr) 1/4" NPT
20 (33.6) 160 (227)

Exhaust Capacity SCFM (m³/hr) 1.0 (1.7)
Sensitivity Inch wc (mm) 1.0 (25.0)
Supply Pressure Max PSIG (BAR) 290 (20)

Type 350SS Filter Regulator
Approximate Size (inches) 2.13 x 2.13 x 5.49
Approximate Size (mm) 54.1 x 54.1 x 139.8

Type 360SS Filter Regulator

Approximate Size (inches) 2.13 x 2.13 x 8.11
Approximate Size (mm) 54.1 x 54.1 x 206

Type 370SS Filter

Port Size NPT Model#
1/4 370-BX
1/2 370-DX

Type 400

General purpose regulator provides reliable performance under variable operating conditions.

- Repeatable pressure output
- Corrosion-resistant construction
- Low cost makes this unit ideal for high volume OEM applications

Type 400

General Service Pressure Regulator

Flow Capacity SCFM (m³/hr) 20 (33.6)
Exhaust Capacity SCFM (m³/hr) 0.1 (0.17)
Sensitivity Inch wc (mm) 1.0 (25.0)
Supply Pressure Max PSIG (BAR) 250 (17)

Approximate Size (inches) Dia 2.5 H 5.63
Approximate Size (mm) Dia 65 H 143

Range PSIG (BAR) Port Size NPT Model#
0-10 (0-0.7) 1/4 400-BD
0-30 (0-2) 1/4 400-BA
0-60 (0-4) 1/4 400-BB
0-120 (0-8) 1/4 400-BL

Type 3500

General purpose regulator provides reliable performance under variable operating conditions.

- Repeatable pressure output
- Corrosion-resistant construction
- Low cost makes this unit ideal for high volume OEM applications

Type 3500

High Pressure Regulator

Supply Pressure Max PSIG (BAR) 6000 (413)
Temperature Range -70°F to 225°F
Approximate Size (inches) Dia 3.35 H 6.26
Approximate Size (mm) Dia 85.1 H 159

Range PSIG (BAR) Port Size NPT Adjustment Model#
0-125 (0-9) 1/4 socket 3500-BC
0-150 (0-10) 1/4 socket 3500-BB
0-225 (0-16) 1/4 socket 3500-BB
0-125 (0-9) 1/4 Tee Handle 3500-CC
0-150 (0-10) 1/4 Tee Handle 3500-CD
0-225 (0-16) 1/4 Tee Handle 3500-CE
### Type 700
Ideal for applications that require high flow capacity and accurate pressure control.
- Allows flow capacity up to 80 SCFM
- Dampening action of orifice tube provides stable response under varying flow conditions
- Sensitive to minute changes in downstream pressure

### Type 700BP
Provides sensitive protection against over pressurization in the downstream portion of a pneumatic system. Operates as a high precision relief valve with an adjustable set point.
- Provides quick response to controlled system pressure variation
- Flow capacity up to 50 SCFM
- Compensating flow control from venturi tube design

### Type 800
Compact unit that supplies precise air pressure regulation for applications where space is limited.
- Flow capacity up to 5 SCFM
- Stable output
- Repeatable
- Self-relieving
- Lightweight construction
- Viton™ elastomers

### Subminiature Precision Air Pressure Regulator
Flow Capacity SCM (m3/hr) 5 (8)

<table>
<thead>
<tr>
<th>Flow Capacity SCM (m3/hr)</th>
<th>Exhaust Capacity SCM (m3/hr)</th>
<th>Sensitivity Inch wc (mm)</th>
<th>Supply Pressure Max PSIG (BAR)</th>
<th>Approximate Size (inches)</th>
<th>Approximate Size (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5 (0.4)</td>
<td>1/4, 3/8, 1/2</td>
<td>710BA, 710CA, 710DA</td>
<td>1.5 x 2.2 x 2.80</td>
<td>38.1 x 54.4 x 71.1</td>
<td></td>
</tr>
<tr>
<td>0.15 (0.1)</td>
<td>1/4, 3/8, 1/2</td>
<td>710BC, 710CC, 710DC</td>
<td>1.5 x 2.2 x 2.80</td>
<td>38.1 x 54.4 x 71.1</td>
<td></td>
</tr>
<tr>
<td>0.06 (0.04)</td>
<td>1/4, 3/8, 1/2</td>
<td>710DE, 710EE, 710FE</td>
<td>1.5 x 2.2 x 2.80</td>
<td>38.1 x 54.4 x 71.1</td>
<td></td>
</tr>
<tr>
<td>1/40 (0.07)</td>
<td>1/8</td>
<td>850AD, 850BD</td>
<td>1/8</td>
<td>5.5 x 5.5 x 71.1</td>
<td></td>
</tr>
</tbody>
</table>

### Type 850/860
Air/Water regulator provides stable output pressure in a small, economical package.
- Relieving and non-releasing models
- Non-rising adjustment knob with locking capability
- Lightweight construction
- OEM friendly cost

### Precision High Flow Pressure Regulator
Flow Capacity SCM (m3/hr) 80 (140)

<table>
<thead>
<tr>
<th>Flow Capacity SCM (m3/hr)</th>
<th>Exhaust Capacity SCM (m3/hr)</th>
<th>Sensitivity Inch wc (mm)</th>
<th>Supply Pressure Max PSIG (BAR)</th>
<th>Approximate Size (inches)</th>
<th>Approximate Size (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5 (0.4)</td>
<td>1/4, 3/8, 1/2</td>
<td>700BA, 700CA, 700DA</td>
<td>1.5 x 2.2 x 2.80</td>
<td>38.1 x 54.4 x 71.1</td>
<td></td>
</tr>
<tr>
<td>0.15 (0.1)</td>
<td>1/4, 3/8, 1/2</td>
<td>700BC, 700CC, 700DC</td>
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<td>38.1 x 54.4 x 71.1</td>
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<td>1/40 (0.07)</td>
<td>1/8</td>
<td>850AD, 850BD</td>
<td>1/8</td>
<td>5.5 x 5.5 x 71.1</td>
<td></td>
</tr>
</tbody>
</table>

### Type 500X
This electronic pressure regulator converts a current or voltage input signal to a linearly proportional pneumatic output pressure.
- Output pressure from 3-15 psig to 3-120 psig
- NEAMA-EX (IP65) Enclosure (optional)
- Integral volume booster
- Agency approvals
- Easy span and zero adjustment

### Type 550X
This electronic regulator provides accurate and economic control for proportional pressure applications.
- Compact size, accessible porting and easy adjustments for space constrained applications
- DIN rail, manifold, pipe, wall or panel mounting available
- NEMA 4X / IP65 housing
- DIN 43650, terminal block or conduit electrical connections
- Zero based and high pressure versions available

### Transducer (I/P, E/P, P/I Transducers)
Flow Capacity SCM (m3/hr) 12.0 (20.4)

<table>
<thead>
<tr>
<th>Input Signal</th>
<th>Output Range (PSI)</th>
<th>Model#</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-20 mA</td>
<td>0-315 (0.2-2.1)</td>
<td>500-AF</td>
</tr>
<tr>
<td>4-20 mA</td>
<td>3-150 (0.2-1)</td>
<td>500-AE</td>
</tr>
<tr>
<td>4-20 mA</td>
<td>6-300 (0.4-2)</td>
<td>500-AE</td>
</tr>
<tr>
<td>10-50 mA</td>
<td>3-150 (0.2-1)</td>
<td>500-AC</td>
</tr>
<tr>
<td>50 mA</td>
<td>0-150 (0.1-1)</td>
<td>500-AC</td>
</tr>
<tr>
<td>0-5 V</td>
<td>0-30 (0.2-1)</td>
<td>500-AC</td>
</tr>
<tr>
<td>0-5 V</td>
<td>0-150 (0.1-1)</td>
<td>500-AC</td>
</tr>
<tr>
<td>0-10 V DC</td>
<td>0-30 (0.2-1)</td>
<td>500-AC</td>
</tr>
<tr>
<td>0-10 V DC</td>
<td>0-100 (0.5-6)</td>
<td>500-AC</td>
</tr>
</tbody>
</table>

### Also Available:
- Type 500X High Pressure Range
  Flow Capacity SCM (m3/hr) 20 (34.0)
  Terminal Based Linearity (% of span) ±1.5
  Supply Pressure Max PSIG (BAR) 150 (10)

<table>
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<tr>
<th>Input Signal</th>
<th>Output Range (PSI)</th>
<th>Model#</th>
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<tbody>
<tr>
<td>4-20 mA</td>
<td>2-60 (0.14-4)</td>
<td>500-AG</td>
</tr>
<tr>
<td>0-5 V</td>
<td>0-30 (0.2-1)</td>
<td>500-CF</td>
</tr>
<tr>
<td>1/4 NPT</td>
<td>0-60 (0.4-4)</td>
<td>500-CH</td>
</tr>
<tr>
<td>1/2 NPT</td>
<td>0-60 (0.4-4)</td>
<td>500-CH</td>
</tr>
</tbody>
</table>

### Transducer (I/P, E/P)
Flow Capacity SCM (m3/hr) 12.0 (20.4)

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<tr>
<td>4-20 mA</td>
<td>0-315 (0.2-2.1)</td>
<td>550-AC</td>
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<tr>
<td>4-20 mA</td>
<td>3-150 (0.2-1)</td>
<td>550-AE</td>
</tr>
<tr>
<td>4-20 mA</td>
<td>6-300 (0.4-2)</td>
<td>550-AE</td>
</tr>
<tr>
<td>10-50 mA</td>
<td>3-150 (0.2-1)</td>
<td>550-AC</td>
</tr>
<tr>
<td>50 mA</td>
<td>0-150 (0.1-1)</td>
<td>550-AC</td>
</tr>
<tr>
<td>0-5 V</td>
<td>0-30 (0.2-1)</td>
<td>550-AC</td>
</tr>
<tr>
<td>0-10 V DC</td>
<td>0-30 (0.2-1)</td>
<td>550-AC</td>
</tr>
<tr>
<td>0-10 V DC</td>
<td>0-100 (0.5-6)</td>
<td>550-AC</td>
</tr>
</tbody>
</table>

### Also Available:
- Type 500X Zero Based Range
  Max. Flow Capacity SCM (m3/hr) 20 (34.0)
  Linearity (Independent) % of span ±1.0
  Repeatability % of span ±1.0
  Supply Pressure Max PSIG (BAR) 150 (10)
  Port Size (Pneumatic) 1/4 NPT
  Approximate Size (inches) 1.5 x 2.2 x 5.1
  Approximate Size (mm) 38.1 x 55.4 x 130

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<td>550-AC</td>
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<tr>
<td>4-20 mA</td>
<td>0-100 (0.4)</td>
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</tr>
<tr>
<td>0-10 V DC</td>
<td>0-30 (0.2-1)</td>
<td>550-AC</td>
</tr>
<tr>
<td>0-10 V DC</td>
<td>0-100 (0.4)</td>
<td>550-AC</td>
</tr>
</tbody>
</table>

### Call for other options.
Type 900X

Internal feedback system provides accurate conversion of a variable electrical signal to a linearly proportional pneumatic output.

- Unit self-corrects to maintain precise control of output pressure
- Shock, vibration and position insensitive
- High accuracy
- Noninterative zero and span
- NEMA-4X (IP65) Enclosure
- Supply pressures up to 150 PSI
- Built-in volume booster
- Wall, panel, pipe, DIN rail (optional) or manifold mounting
- Direct / reverse acting, full / split range

Multi-Function Supply Manifold

Provides a common supply port for the Type 550 or Type 900X I/P, E/P. Individual shut-offs allow in use service.

- One supply line for multiple outlets
- Patented individual shut-off valve
- DIN rail mountable
- Easy set-up
- Adaptable to provide common output for solenoid valves

Multi-station Digital to Pneumatic Pressure Regulator

This multi-station manifold uses a common air supply to provide electronic proportional control of output pressure through the use of a DeviceNet™ or Profinet™ communication network.

- 4, 6, or 8 station air pressure control from one fieldbus node
- Easy commissioning and reduced system wiring
- Individual shut-off valve for each station
- Optional diagnostic feedback of output pressure
- Common air supply simplifies piping
- Compact design ideal for high-density mounting.

Type 590X

I/P transducer uses open loop control and a low mass magnet to produce accurate pressure control at an economical cost. Position insensitive and impervious to RFI/EMI interference.

- Vibration and Position Insensitive
- Die Rail and Manifold Mounting
- Manifold or 1/8” NPT Porting Available
- Wide Operating Temperature Limits
- Worldwide Safety Approvals

Transducer (I/P)

<table>
<thead>
<tr>
<th>Input Signal</th>
<th>Output Range PSI (BAR)</th>
<th>Model #</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-15 (0.21)</td>
<td>0-60 (4.2)</td>
<td>690-ACA</td>
</tr>
<tr>
<td>3-27 (0.21)</td>
<td>0-90 (6.2)</td>
<td>690-ADA</td>
</tr>
<tr>
<td>3-30 (0.21)</td>
<td>0-100 (6.9)</td>
<td>690-DIA</td>
</tr>
<tr>
<td>5-17 (0.71)</td>
<td>0-60 (4.2)</td>
<td>690-ACA</td>
</tr>
<tr>
<td>5-20 (0.72)</td>
<td>0-90 (6.2)</td>
<td>690-ADA</td>
</tr>
<tr>
<td>5-27 (0.21)</td>
<td>0-100 (6.9)</td>
<td>690-DIA</td>
</tr>
<tr>
<td>6-20 (1.4)</td>
<td>0-60 (4.2)</td>
<td>690-ACA</td>
</tr>
<tr>
<td>6-30 (1.4)</td>
<td>0-90 (6.2)</td>
<td>690-ADA</td>
</tr>
<tr>
<td>6-30 (1.4)</td>
<td>0-100 (6.9)</td>
<td>690-DIA</td>
</tr>
<tr>
<td>10-50 mA</td>
<td>0-60 (4.2)</td>
<td>690-ACA</td>
</tr>
<tr>
<td>10-50 mA</td>
<td>0-90 (6.2)</td>
<td>690-ADA</td>
</tr>
<tr>
<td>10-50 mA</td>
<td>0-100 (6.9)</td>
<td>690-DIA</td>
</tr>
</tbody>
</table>

Type 5500

- Flow Capacity SCM (m3/hr) 12.0 (20.4)
- Terminal Based Linearity (% of span) ±0.10
- Repeatability (% of span) ±0.10
- Supply Pressure Max PSI (BAR) 100 (7)
- Port Size (Pneumatic) 1/4 NPT
- Port Size (Electric) 1/2 NPT
- Approximate Size (inches) 8A x 3.61 x 5.37
- Approximate Size (mm) 219.5 x 91.65 x 135.9

Type 950XP

Compact I/P transducer in an explosion-proof housing delivers reliable performance in hazardous areas. Internal electronic feedback system maintains accurate control of output pressure.

- Explosion-proof NEMA-4X (IP65) enduse.
- RFI, EMI protected
- Shock, vibration and position insensitive.
- Field-selectable outputs (optional)
- Highly tolerant of impure air
- Optional tapped exhaust and conduit seal required for FM/CSA approval when using natural gas (sweet) or methane

Multi-Function Supply Manifold

All solid state circuitry converts standard 3-15, 3-27 or 6-30 psig instrument air into 4-20 or 10-50 mA outputs (4-20 mA only for FM and CSA approval) with uncompromising accuracy and durability. The P200 is FM approved and CSA certified as NEMA 4 (Enc. 4) for all locations and explosion-proof.

- ±0.10% accuracy
- Custom inputs up to 50 PSI

Type 290/P290M

- Pneumatic-to-Current
- Field-Selective
- Shock, vibration and position insensitive
- Explosion-proof
- Zero Based Outputs 0-15, 0-30 & 0-60 psi

Pneumatic-to-Current Transducers

<table>
<thead>
<tr>
<th>Input Signal</th>
<th>Output Range PSI (BAR)</th>
<th>Model #</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-20 mA</td>
<td>0-100 (7)</td>
<td>905-AHA</td>
</tr>
<tr>
<td>4-20 mA</td>
<td>0-60 (4.2)</td>
<td>905-ACA</td>
</tr>
<tr>
<td>4-20 mA</td>
<td>0-30 (2.1)</td>
<td>905-AEA</td>
</tr>
<tr>
<td>0-10 V</td>
<td>0-100 (7)</td>
<td>905-AHA</td>
</tr>
<tr>
<td>0-10 V</td>
<td>0-60 (4.2)</td>
<td>905-ACA</td>
</tr>
<tr>
<td>0-10 V</td>
<td>0-30 (2.1)</td>
<td>905-AEA</td>
</tr>
</tbody>
</table>

Approximate Size (inches) 1.5 x 2.2 x 3.7
Approximate Size (mm) 38.1 x 55.8 x 93.7

Flow Capacity SCM (m3/hr) 12.0 (20.4)
Terminal Based Linearity (% of span) ±0.10
Repeatability (% of span) ±0.10
Supply Pressure Max PSI (BAR) 100 (7)
Port Size (Pneumatic) 1/4 NPT
Port Size (Electric) 1/2 NPT
Approximate Size (inches) 8A x 3.61 x 5.37
Approximate Size (mm) 219.5 x 91.65 x 135.9
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