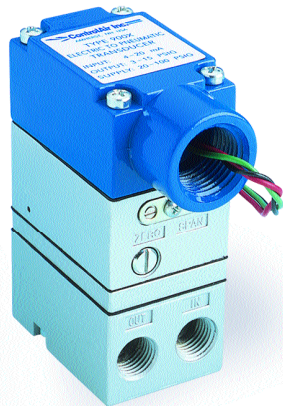


Advanced technology to make pressure control plain and simple.



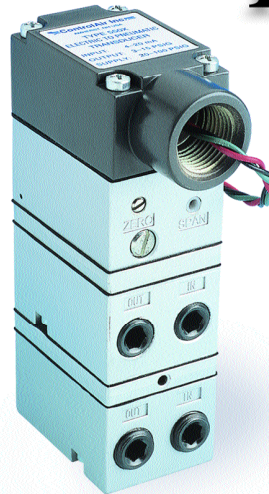
Type 500X The Industry Standard for Valve Automation

Rugged design, long proven technology and high flow capacity make it a natural for valve actuators or positioners, web tensioning or brake and clutch applications.



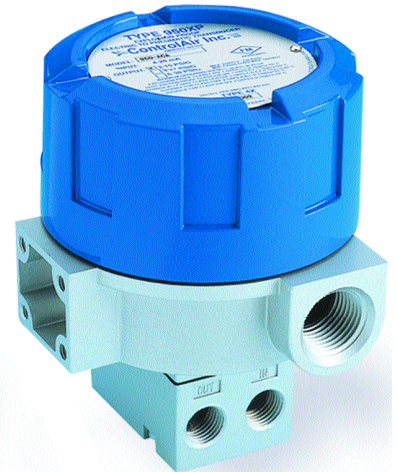
Type 900X Your High Performance Solution

Uncompromising accuracy makes this the ultimate answer to the most demanding process requirements. Its compact size and superior resolution make it the perfect choice for high-tech precision control.



Type 550X The Compact, Affordable Alternative

Our newest series combines the robust construction of the T500 with the compactness and mounting advantages of the T900. It's even available with zero-based outputs.



Type 950XP When you need Explosion- Proof and Perfection

The same meticulous dedication to accuracy and stability as the T900 except in an explosion-proof housing designed to withstand hazardous conditions.

ControlAir's I/P and E/P transducers offer the flexibility you want and the reliability you need for efficient, cost-effective pressure control.



8 Columbia Drive / Amherst, NH 03031 USA
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Choose the transducer that has the features you need

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
- ▲ NEMA-4X(IP65) Enclosure (optional)
- ▲ Integral volume booster
- ▲ Agency approvals
- ▲ Field reversible
- ▲ Easy span and zero adjustment



Also Available: High Pressure Range

Flow Capacity 20 scfm (34.0 m³/hr)
Terminal Based Linearity ±1.5 % of span
Supply Pressure Max 150 psig (1050 kPa)

Input Signal	Output Range PSI (kPa)	Model#
4-20 mA	2-60 (14-420)	500-AG
4-20 mA	3-120 (20-830)	500-AH*
0-60 mA	2-120 (15-830)	500-BF*
0-5 VDC	2-60 (14-420)	500-CF
0-10 VDC	3-120 (20-830)	500-EH*

Transducer (I/P, E/P)

Max Flow Capacity	12.0 (20.0 m ³ /hr)
Terminal Based Linearity	±0.75 % of span
Repeatability (% of span)	<0.5
Supply Pressure Max	100 psig (700 kPa)
Port Size (Pneumatic)	1/4 NPT
Port Size (Electric)	1/2 NPT
Approximate Size (inches)	2.18 x 2.18 x 4.24
Approximate Size (mm)	55.4 x 55.4 x 107.7
Weight	2.1 lbs (0.95 kg)

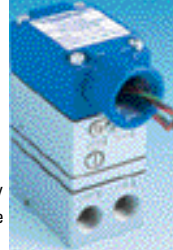
Input Signal	Output Range PSI (kPa)	Model#
4-20 mA	3-15 (20-100)	500-AC
4-20 mA	3-27 (20-185)	500-AD
4-20 mA	6-30 (40-200)	500-AE
4-20 mA	1-17 (7-117)	500-AF
10-50 mA	3-15 (20-100)	500-BC
10-50 mA	3-27 (20-185)	500-BD
10-50 mA	6-30 (40-200)	500-BE
0-5 VDC	3-15 (20-100)	500-CC
0-5 VDC	3-27 (40-185)	500-CD
0-5 VDC	6-30 (40-200)	500-CE
1-9 VDC	3-15 (20-100)	500-DD
1-9 VDC	3-27 (40-185)	500-DC
1-9 VDC	6-30 (40-200)	500-DE

*Possible output range span adjustment of 3-145 PSIG (20-1000kPa)

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
- ▲ Noninteractive zero and span
- ▲ NEMA-4X(IP65) Enclosure
- ▲ Supply pressures up to 130 psig (100 on most models)
- ▲ Built-in volume booster
- ▲ DIN rail, manifold, pipe, wall or panel mounting available
- ▲ 43650 DIN, terminal block or conduit electrical connections
- ▲ Field selectable direct / reverse acting, full / split range



Transducer (I/P, E/P)

Max Flow Capacity	20.0 scfm (34.0 m ³ /hr)
Terminal Based Linearity	±0.10 % of span
Repeatability	<0.10 % of span
Supply Pressure Max	100 psig (700 kPa)
Port Size (Pneumatic)	1/4 NPT
Port Size (Electric)	1/2 NPT
Approximate Size (inches)	1.5 x 2.2 x 3.7
Approximate Size (mm)	38.1 x 38.1 x 93.7
Weight	13 oz (0.37 kg)

Input Signal	Output Range PSI (kPa)	Model#
4-20 mA	3-15 (20-100)	900-ACA
4-20 mA	3-27 (20-185)	900-ADA
4-20 mA	6-30 (40-200)	900-AEA
4-20 mA	1-17 (7-117)	900-AFA
4-20 mA	2-60 (15-420)	900-AGA
4-20 mA	2-100 (15-700)	900-AHA
0-5 VDC	3-15 (20-100)	900-CCA
0-5 VDC	3-27 (20-185)	900-CDA
0-5 VDC	6-30 (40-200)	900-CEA
0-10 VDC	3-15 (20-100)	900-ECA
0-10 VDC	3-27 (20-185)	900-EDA
0-10 VDC	2-60 (15-420)	900-EGA
0-10 VDC	2-100 (15-700)	900-EHA

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
- ▲ 43650 DIN, terminal block or conduit electrical connections
- ▲ Zero based output and high pressure versions available



Transducer (I/P, E/P)

Max Flow Capacity	20.0 scfm (34.0 m ³ /hr)
Linearity (Independent)	<±0.5 % of span
Repeatability	<0.5 % of span
Supply Pressure Max	100 psig (6.90 BAR)
Port Size (Pneumatic)	1/4 NPT
Approximate Size (inches)	1.5 x 2.2 x 3.7
Approximate Size (mm)	38.1 x 55.4 x 93.7
Weight	1.3 lbs (0.59 kg)

Input Signal	Output Range PSI (kPa)	Model#
4-20 mA	3-15 (20-100)	550-ACA
4-20 mA	3-27 (20-185)	550-ADA
4-20 mA	6-30 (40-200)	550-AEA
4-20 mA	1-17 (7-117)	550-AFA
4-20 mA	2-60 (15-420)	550-AGA
4-20 mA	3-120 (20-800)	550-AHA
0-10 VDC	2-60 (15-420)	550-EGA
0-10 VDC	3-120 (20-800)	550-EHA

*Consult factory for other options

Also Available: Zero Based Range

Max Flow Capacity	20 scfm (34.0 m ³ /hr)
Linearity (Independent)	<±1.5 % of span
Repeatability	<1.0 % of span
Supply Pressure Max	150 psig (10.0 BAR)
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
Weight	1.7 lbs (0.77 kg)

Input Signal	Output Range PSI (kPa)	Model#
4-20 mA	0-30 (0-200)	550-AIA
4-20 mA	0-60 (0-400)	550-AJA
4-20 mA	0-120 (0-800)	550-AKA
0-10 VDC	0-30 (0-200)	550-EIA
0-10 VDC	0-60 (0-400)	550-EJA
0-10 VDC	0-120 (0-800)	550-EKA

*Consult factory for other options

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) enclosure.
- ▲ RFI, EMI protected
- ▲ Shock, vibration and position insensitive.
- ▲ Field-selectable outputs (optional)
- ▲ Highly tolerant of impure air
- ▲ Easy wiring



Explosion-Proof Transducer (I/P)

Max Flow Capacity	12.0 scfm (20.0 m ³ /hr)
Terminal Based Linearity	±0.10 % of span
Repeatability	<0.10 % of span
Supply Pressure Max	100 psig (700 kPa)
Port Size (Pneumatic)	1/4 NPT
Port Size (Electric)	1/2 NPT
Approximate Size (inches)	DIA 3.50 H 4.60
Approximate Size (mm)	DIA 88.9 H 116.6
Weight	1.8 lbs (0.82kg)

Input Signal	Output Range PSI (kPa)	Model#
4-20 mA	3-15 (20-100)	950-AC
4-20 mA	3-27 (20-185)	950-AD
4-20 mA	6-30 (40-200)	950-AE
4-20 mA	1-17 (7-117)	950-AF

Type 925



Multi-Function Supply Manifold

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

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



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