

BELLOFRAM[®]

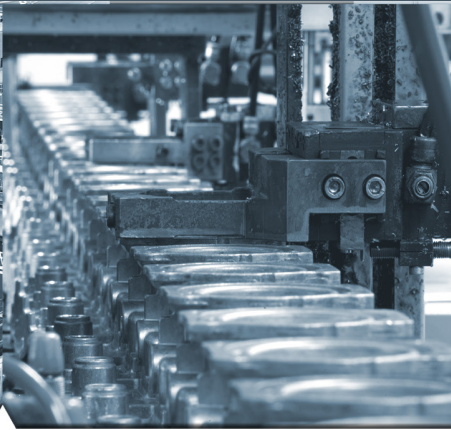
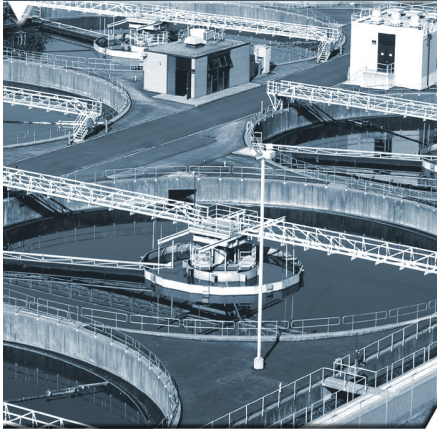
Precision Controls

AIR REGULATION

AUTOMATION

PRECISION CONTROL

PRESSURE CONTROLS



ACCURACY

COMPACT

MEASUREMENT

RESPONSIVE

STABILITY



REGULATORS

Direct-acting, high-performance Marsh Bellofram air pressure regulators offer precision control, high-accuracy, maximum stability, large flow and exhaust capabilities to support even the most challenging OEM and industrial applications.



TYPE 10:

- Built-in Volume Booster
- Small Size
- Field Reversible
- Low Air Consumption
- Mounts at Any Angle
- Wide Supply Pressure Range
- Low Supply Pressure Sensitivity
- Convenient External Span & Zero Adjusts (Except for Explosion Proof Models)



TYPE 70:

- High Flow Capacity: Up to 80 SCFM
- Responds Quickly to Minute Changes
- Dampening Action of Aspirator Tube Maintains Downstream Pressure



TYPE 50:

- Excellent Stability and Repeatability
- Self-relieving
- Integral 40 Micron, Self-cleaning Filter
- Low Droop at High Flow
- Several Mounting Options
- Meets ATEX II 2 G Dc T 6 (Non-electrical Certification)

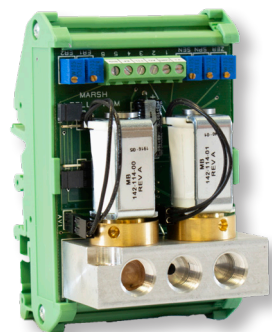


TYPE 92:

- Compact lightweight construction
- Standard or low bleed versions available
- Corrosion resistant anodized aluminum body
- Excellent stability and repeatability
- Self relieving

ELECTRO PNEUMATIC CONTROLS

Marsh Bellofram designs and manufactures a complete line of servo pressure controllers, including both traditional and analog circuit card models, to suit a variety of OEM, industrial, HVAC and medical device and equipment process control applications.



Type 3110:

- High-precision air regulation capabilities in an analog circuit card format
- Available analog monitor output ranges from 29" Hg to 600 psig
- User selectable configurable
- Industry standard logic output signals
- Two available manifold block configurations



Type 3510:

- Digital display
- Serial or DeviceNet interface
- Digital or analog inputs
- Analog monitor output
- Single- and dual-loop control
- Forward flow 1.25 SCFM at 100 psi
- Weatherproof housing



Type 3511:

- Serial or DeviceNet interface
- Digital or analog inputs
- Analog monitor output
- Single- and dual-loop control
- Forward flow up to 19 SCFM
- Digital display
- Weatherproof housing

TRANSDUCERS

Electro-pneumatic transducers are used to convert current or voltage input signals to proportional output pressures. They are used for process control in valves, pneumatic relays and flow regulators. The PCD division of Marsh Bellofram designs and manufactures high-precision voltage-to-pressure (E/P), current-to-pressure (I/P), and pressure-to-current (P/I) transducers for a variety of industrial and OEM applications.



TYPE 1000:

- Built-in Volume Booster
- Small Size
- Field Reversible
- Low Air Consumption
- Convenient External Span & Zero
- Wide Supply Pressure Range
- Low Supply Pressure Sensitivity



TYPE 1500:

- Electrical Connections: Conduit 1/2 NPT or BSPT, Terminal Block, Hirschmann® Connectors (DIN 43 650-A)
- Supply and Output Ports on Front and Back of Unit
- Low Air Consumption
- External Zero and Span Adjustments
- Field Accessible Orifice
- Electrical Conduit Connection Meets CE Requirements
- Intrinsically Safe Versions (FM, CSA, ATEX Approvals)
- NEMA 4X Version (FM, CSA Approvals) Excludes Terminal Block



TYPE 2000:

- $\pm 0.1\%$ of full-scale output typical
- Available Pressures to 120 PSIG (Zero Based)
- High Immunity to EMI/RFI
- Insensitivity to Extreme Temperature and Supply Pressure Fluctuations
- Insensitivity to Extreme Vibration and Orientation
- NEMA 4X, CE, and FM and ATEX (Intrinsically Safe) Approved Versions (S Model)
- Explosion-proof and Dust-ignition Proof Versions (EX Model)

AIR CYLINDERS



Marsh Bellofram diaphragm Air Cylinders are actuators made from elastomers, engineered metals and fabrics. They require no lubrication and are virtually frictionless and economical. They can be used to provide lifting, clamping, pushing, coining, turning and other linear force or actuation motions in many applications.

BELLOFRAM®

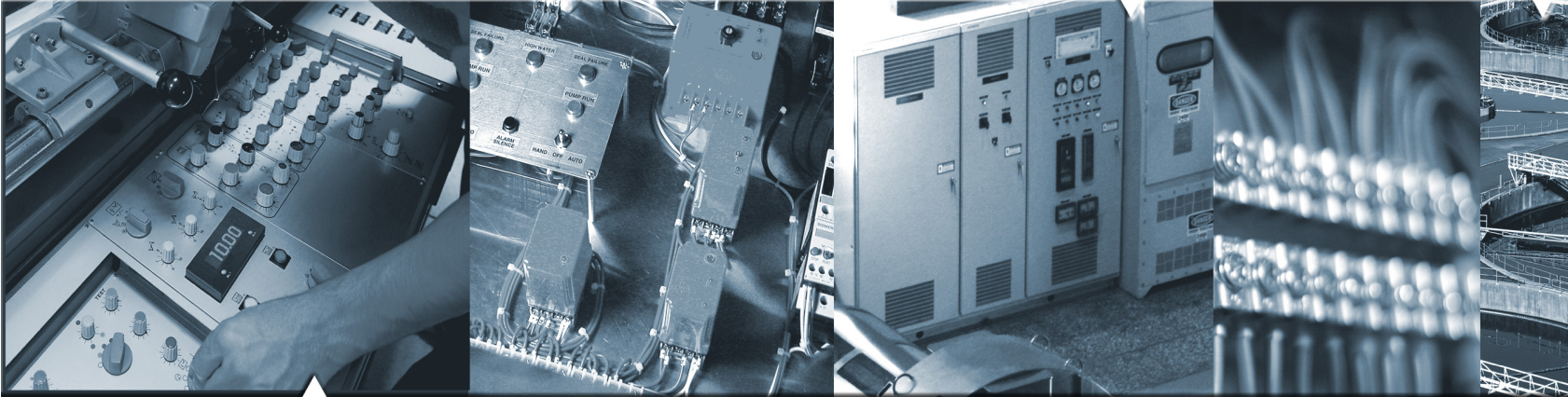
Precision Controls

AIR REGULATION

AUTOMATION

PRECISION CONTROL

PRESSURE CONTROLS



ACCURACY

COMPACT

MEASUREMENT

RESPONSIVE

STABILITY



mb-precisioncontrols.com

800-727-5646

304-387-1200

Fax: 304-387-1212

info@marshbellofram.com

Marsh Bellofram Group of Companies

8019 Ohio River Blvd.

Newell, WV 26050 USA

Specializing in Monitoring, Measuring, & Regulating Products!