



PNEUMADYNE

Pneumadyne, Inc.
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 Call to Order: 763-559-0177

PROVIDING SYSTEM SOLUTIONS FOR FLUID CONTROL

Control Valves

- ▶ 2-Way, 3-Way & 4-Way Valves
- ▶ Pressure Regulators, Flow Controls & Needle Valves
- ▶ Variety of sizes & configurations
- ▶ Anodized or Electroless nickel plated for corrosion resistance



Manifolds

- ▶ Inline
- ▶ Dual Air
- ▶ Junction Blocks
- ▶ Terminal Blocks
- ▶ Aluminum, Brass, Stainless Steel, Nylon & Polypropylene



Valve Accessories

- ▶ Oil Tight Operators
- ▶ Air Pilot, Cam, Thumb, Button & Ball Operators
- ▶ Micro Gauges
- ▶ Air Operated Electric Switches
- ▶ Foot Pedal, Mounting Brackets & Dress Plates



Tubing & Accessories

- ▶ Single & Multi-Tube Polyurethane
- ▶ Polyurethane Coils
- ▶ Variety of colors & sizes
- ▶ Tube Racks & Cutters
- ▶ Quick Disconnects, Micro Couplers, Ribbon Tube Connectors & Bulkhead Connectors



Solenoid Valves

- ▶ 2-Way & 3-Way Valves
- ▶ Variety of voltage, wattage & connector options
- ▶ Fast response times & high flow rates
- ▶ 10 mm & 15 mm Latching Valves
- ▶ Single Bases & Multiple Station Manifolds for mounting & installation convenience



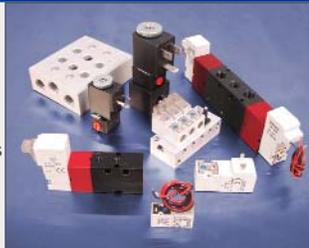
Air Jets

- ▶ 1/32 & 1/16 ID Nozzles
- ▶ Modular design is adaptable for numerous applications
- ▶ Durable brass construction
- ▶ Holder for convenient mounting
- ▶ Variety of possible combinations
- ▶ Ideal for Cooling, Blow Off, Moving & Lubricant applications



Solenoid Operated Valves

- ▶ 3-Way Normally Open & Normally Closed Valves
- ▶ 5 Port 2-Position & 5 Port 3-Position 4-Way Valves
- ▶ Variety of voltage & connector options
- ▶ Lubricated or non-lubricated air
- ▶ Multiple Station Manifolds



Custom Design Products

- ▶ Our fluid power and engineering expertise is an advantage when developing custom pneumatic products
- ▶ Products or systems that meet your defined performance requirements
- ▶ Focus on component consolidation
- ▶ Advanced manufacturing capabilities
- ▶ Over 35 years of experience designing & manufacturing custom products; a priority since our inception



Fittings

- ▶ Barbed, Threaded & Push-to-Connect styles
- ▶ Electroless nickel plated for corrosion resistance
- ▶ Superior o-ring seal
- ▶ Variety of sizes & configurations
- ▶ Brass and stainless steel



Rely on Pneumadyne when:

- ▶ Assistance is needed designing circuitry & selecting components
- ▶ Assembly time & cost must be reduced
- ▶ Performance of an existing circuit needs to be improved
- ▶ Limited space is an issue

**ISO 9001:2008
 certified
 manufacturer of
 pneumatic components**

Industries Served

**Agriculture - Automation - Dental - Entertainment / Recreation - Food & Beverage - Material & Fluid Handling
 Medical - Oil & Gas / Energy - Packaging - Printing - Semiconductor - Testing & Measurement - Transportation**



About Us

History & Milestones

Pneumadyne, Inc, an ISO 9001:2008 certified manufacturer of pneumatic components was founded in New York State by Bill Nugent in 1975. At that time, he was designing and building pneumatic control systems and saw a need for better quality miniature pneumatic components. He also realized that many fluid power distributors across the country could benefit from the product innovations that he was using to make panel building easier and more economical. From this work, the design and manufacture of Pneumadyne directional valves, pneumatic fittings and manifolds evolved.

The 1980s was a decade of product development. As Bill designed valves, it was important to him to develop new products that solved his customer's problems rather than just modify existing valve designs. This belief is as important to all of us at Pneumadyne today as it was to Bill in the 80s. Several patents were awarded for Bill's innovative designs and the majority of these valves, fittings and manifolds remain extremely popular with our customers.

October of 1988 brought about a huge change for Pneumadyne...the company was moved from New York to Minnesota. Bill chose Minnesota for its manufacturing culture and valuable work force. Several schools in the state also provided an environment that was conducive to fluid power technology.

Prior to 1995, the only product line machined in-house was our aluminum manifolds. We relied on outside machine shops for all of our valve components and fittings. In 1995 we purchased our first CNC Mill for the manufacture of manifolds and square valve bodies.

This purchase was the beginning of an aggressive expansion of manufacturing operations that continues to this day. In 1997, we expanded our in-house machining capabilities to include CNC Turning. We began our operations with Swiss multi-axis machines with magazine bar feeds which allowed us to produce parts 24-hours a day, 7 days a week while only employing our day shift.

Our decision to expand our machining capabilities was a direct response to continued growth and product demand. A significant event in November of 1996 accelerated this expansion. One of our competitors had decided to exit the industrial market and cease operations by February of 1997. They felt a strong responsibility to give their distributors and customers an alternative; therefore, they contacted Pneumadyne and asked if we could provide this support. It was a big challenge but after 18 months of intensive design and product enhancement, our "Compact Series" line of valves was successfully integrated into the

Pneumadyne product offering. Today, the "Compact Valves" are still a very important part of our product mix and are now known as the "200", "300", "400" and "45" Series of valves.

Providing System Solutions for Fluid Control

In 2004, our commitment to quality received significant recognition when we were granted ISO 9001 Certification. Stringent quality management systems, standards and guidelines ensure that we are designing and producing products that meet and exceed the highest of customer standards. Our Quality Policy, Quality Through Continuous Improvement, is implemented throughout the entire organization.

Another milestone was reached in June of 2005, we moved into our current 35,000 sq foot building. After fifteen years of change and significant growth, we made the decision to relocate. This move allowed us to configure our workspace much more efficiently as

well as plan for future growth and the requirements of new and more diverse products.

Over the years, Pneumadyne has grown from a manufacturer of

Several patents have been issued for our robust and unique designs

miniature pneumatic valves to a designer and manufacturer of pneumatic system solutions. Providing products, whether they are standard or custom, which solve problems and exceed customer expectations continues to be our goal.

Our Mission

Pneumadyne, Inc. continually strives to be a leading manufacturer of fluid control components and systems for distributors and OEMs worldwide. With a proven understanding of the design, technology and precision manufacture of fluid controls, we seek to create solutions for our customers providing them with a competitive advantage. By encouraging all of our employees to pursue their highest potential in an atmosphere of growth, opportunity and training, consistent with the values of teamwork, pride, honesty and reliability, we are confident these goals are attainable.



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Authorized Distributor