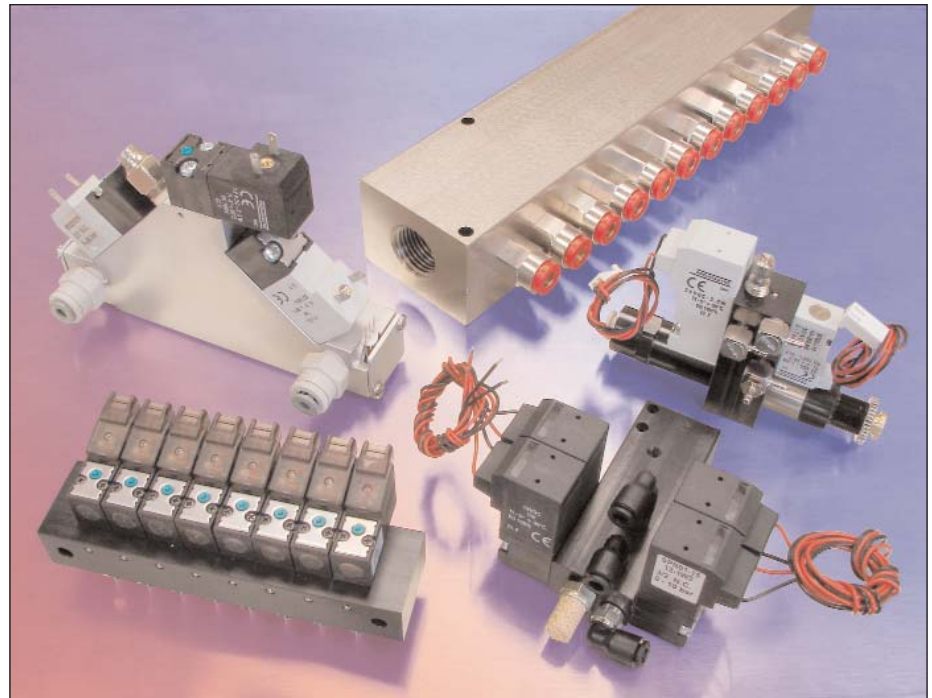


Custom Products

Providing fluid handling solutions that meet customer defined performance requirements has been a priority since Pneumadyne's inception, setting us apart in the miniature pneumatics industry.

Our experienced engineers welcome the opportunity to assist in the design and manufacture of custom products. Our knowledge and expertise in fluid handling and precision machining are an advantage when developing custom components. We take pride in our ability to partner with our customers and develop successful solutions for their applications. Contact Pneumadyne the next time your application requires a custom component.



Product Descriptions

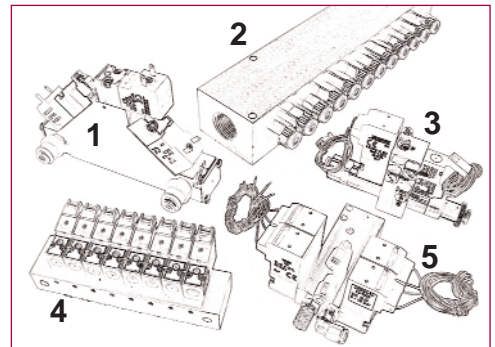
1. This unique valve block features normally-closed and normally-open solenoid valves to easily lock and unlock the position of a surgical apparatus.

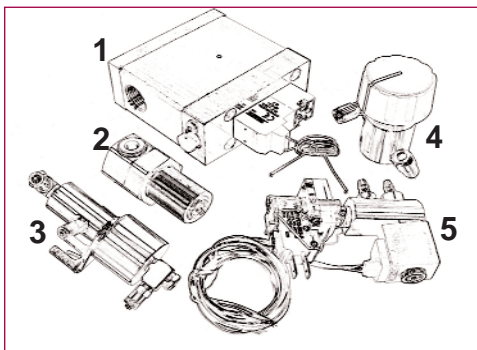
2. Developed and manufactured for dispensing liquid in food processing equipment, this custom manifold features 12 cartridge-style check valves with push-to-connect ports to ease tubing installation.

3. Designed and manufactured for a compact dental application, this distinctive valve assembly features a pressure regulator, two solenoid valves, a needle valve and fittings with precision orifices.

4. This 8-station valve bank features 10 mm solenoid valves and Pneu-Edge fittings on a custom manifold and is used to operate the sampling cylinders in a Nucleic Acid Purifier for DNA archiving.

5. Adjustable air suspension has become an important feature in the manufacture of motorcycles. This compact assembly provides four solenoid valves to inflate and deflate both the front and rear suspension of a bike.





Product Descriptions

1. Developed to indicate a leak in a water circuit, the Water Breaker valve features a 15 mm solenoid to quickly shut-off water lines preventing further damage and permitting repair.

2. Manufactured for an automotive lift application, Pneumadyne engineers condensed a fixed orifice check valve, push-to-connect ports and a right-angle bulkhead into one durable, easy-to-install brass component.

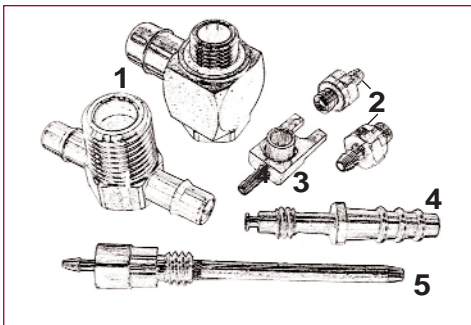
3. Developed for a disk drive manufacturer, the Sequence Interlock Device features a 2-way normally open valve with built-in check and low pressure air pilot to allow numerous cylinders to retract one at a time according to a desired sequence.

4. Originally developed to control the spray of a liquid bandage material, Pneumadyne's custom needle valve features a non-rising stem and achieves full flow in 3/4 turn of the knob.

5. To automate the manual plug located in the bottom of a therapeutic hot tub, Pneumadyne engineers designed a compact valve assembly featuring a custom base with built-in check to accommodate a 12 Volt DC Solenoid valve and pressure switch.

Pneumadyne is recognized around the world for designing and manufacturing high quality products for use in a wide variety of industries. Our products touch lives in many ways:

- Abrasive Dental Equipment***
- Textile Machines***
- Assembly Fixtures***
- Testing Devices***
- CPR Devices***
- Medical Gas Delivery***
- Process Controls***
- Blood Pressure Testing***
- Computer Chip Manufacturing & Testing***
- Fuel Management Systems***
- Water Purification Systems***
- Off Road & Recreational Equipment***
- Farm & Livestock Management & Control***
- Temperature & Ventilating Devices***
- Food Processing Equipment***
- Labeling Devices***
- Liquid & Glue Dispensing***



Product Descriptions

1. Stainless steel Pneu-Edge® fittings are used throughout a self-serve shake machine to ensure the leak-proof flow of both water and sanitizer.

2. Aluminum fittings are ideal for applications in which component weight is a concern. Pneumadyne's aluminum fittings are used on vacuum cups in pick and place applications and also in the clutch management systems in race cars.

3. Sophisticated machining techniques allow us to machine a mounting bracket at the end of a barb as required in a Vapor Recovery System.

4. Developed for a medical application, this aluminum Cannula style fitting features a .013 orifice and is anodized green for identification purposes.

5. A standard air jet was modified to include a custom base for mounting as a blow off nozzle in a textile application.



...more of the ways in which our high quality products touch lives:

Sporting Goods

Therapy Equipment

Beverage Dispensing

High Speed Conveyors

Automotive Equipment

Animatronics

Energy Production Devices

Exercise Equipment

Medical Instruments

Insect Control

Water Sensing Devices

Thermal Analysis Components

DNA Archiving Equipment

Chemical Control Systems

Gas Sampling Devices

Emissions Testing Systems

Optical Grinding Equipment