

Specialists in
Fluid Power
WHAT CAN WE DO FOR YOU?



Lexair, Inc.

www.lexairinc.com



Lexair, Inc.

Valves for Every Application

From our humble beginnings in 1977 as a high technology supplier of high pressure compressors for submarine life support systems and special pneumatic controls (for the U.S. and Canadian Navies) to our present status as a World Class Manufacturer of Fluid Power Products, Valves and Machine Tool Accessories, Lexair, Inc. delivers the best products possible for today's global market needs. We continue to supply ultra-high quality compressors for submarines today. Our current clients include the U.S., Australian, British, Spanish and Japanese Navies as well as several prime contractors.

All of our products are routinely designed and developed around stringent military performance, material and process specifications. Our facility and quality control procedures comply with Standard MIL-I-45208A.

We offer high quality, extremely reliable components to an ever expanding range of OEM's and markets. Our products are designed and manufactured with experience and expertise that we have gained from decades of being a proven fluid power and process control valve provider. We are proud to be a privately held, American owned corporation with all facets of our business contained under one roof. We offer excellent customer service, product engineering, component machining and manufacturing in our modern state-of-the art facility.

Featuring four distinct valve lines, (each the best of its kind) we could be the smartest valve decision that you will ever make!

TUBE-O-MATIC®

Series: This line features 2-Way operation in a unique pinch valve design developed for long service life while being used in abrasive/ aggressive media applications. Direct air pilot or solenoid pilot versions are available. Port sizes range from 1/4" – 2 1/2" NPT with working pressures to 150 PSI. Flow capacity of up to a Cv of 75 are available. Sleeve material options allow a wide range of media and temperatures to be used.



For more information, visit www.lexairinc.com or request Catalog LX-45-A.

Mini 1 Series:

These 1/4" NPT pneumatic valves boast a Cv capacity of 1.0 to pack a lot of punch in a small package (basic envelope is 1 inch thick and 2 inches wide). The lineup includes manual, mechanical, solenoid and air pilot operation. Most models are offered in either a three port 3-Way or five port 4-Way version. Working pressures are from vacuum through 150 PSI and the balanced spool design assures that this series can be used as a selector, diverter, in dual pressure service as well as in many other non-standard plumbing applications.



For more information, visit www.lexairinc.com or request Catalog LX-530.



Lexair 2 and 3-Way Poppet Valves combine high flow and positive shut-off with bubble-tight operation for use in a variety of industrial and process control needs. Constructed of non-corrosive materials, they can be used with a wide range of liquids and gases or vacuum where quick-acting control is required. Working pressures to 500 PSI are standard, higher pressures are available upon request. Available operators include direct pilot, solenoid pilot (with integrated DIN style operators), direct solenoid and mechanical cam operation. Some models are available in **Stainless Steel** offering ultra-high corrosion resistance. Port sizes range from 1/4" – 2" NPT and the 2-Way series features both normally closed and normally open models. Many choices of seal materials are available providing for a wide range of media and temperatures to be used. High ratio pilots are available as standard catalog items for use in high media pressure/low pilot pressure applications. Flow capacities are available up to a Cv of 50. This catalog also includes our other bubble-tight products: Our poppet style **Check Valves** in 1/2" - 2" NPT port sizes with features that are the same as our 2 and 3-Way Poppet Valve line. Our **Shuttle Valve** featuring port sizes from 1/4" - 2" NPT and working pressures to 250 PSI for use with gases or liquids. Our **Multifunction Solenoid Valves** are made for use with gases or liquids up to 150 PSI. These solenoid valves can be used in stand-alone applications and also work great as operators for our other valve lines.

For more information, visit www.lexairinc.com or request Catalog LX-550-B.

Hi-Cyclic® Series: Our broad product range features a complete line of 2, 3 and 4-Way valves for pneumatic or hydraulic service. A wide range of manual, mechanical, pilot (air or oil) and solenoid operators are available. Multiple spool configurations are available to cover any application need. Working pressures to 250 PSI (pneumatic) or 3000 PSI (hydraulic) are standard. Port sizes range from 1/8" – 1/2" NPT with 7/16-20 and 9/16-18 SAE available as well. Flow of up to a Cv of 1.13 for pneumatic service and up to 16 GPM for hydraulic service. Our Magna-Cycle® models feature built-in, adjustable control functions available in three different models depending upon your application requirements.



For more information, visit www.lexairinc.com or request Catalog LX-325.

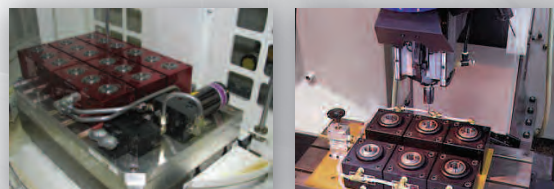
In addition to our Valves, we also merge our expertise in Fluid Power and Machine Tool Accessories to offer a full line of Collect Closers for workholding applications.



Collet Closers: Lexair offers a complete family of stationary collet workholding components that can be utilized individually or grouped together to form a system. Featuring double acting pneumatic or hydraulic models, they are available in fixed-length and pull-back versions. Collect sizes that may be used with our line-up include: 1C, 3C, 5C, 16C, 3J, 22J and 35J. Models with operating pressures to 250 PSI pneumatic and 5,000 PSI hydraulic are available.

Most models feature the ability to be combined into multiple configurations by the use of connector bushings which eliminate the need for external plumbing between units. We can custom design and build turnkey solutions for any workholding application.

For more information, visit www.lexairinc.com or consult the factory.



Industries/Applications That We Service

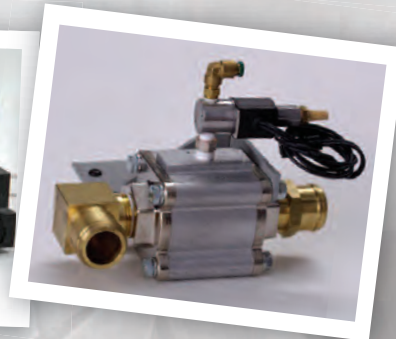
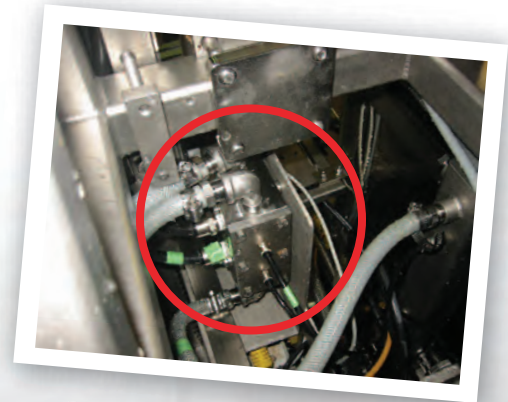
Lexair, Inc. products can be found on virtually all types of equipment and machinery in almost any industry.

A few of the markets and applications serviced by our products:

- Car Wash Equipment and Machinery
- Utility Facilities
- Foundry Equipment
- Sandblasting Equipment
- Water or Wastewater Treatment Plants
- Corrosion Resistant Valves for Maritime and Off-Shore Applications
- Mining Equipment and Machinery
- Air Compressors and Controls
- Industrial Air Dryers and Controls
- Oilfield Equipment
- Construction Equipment and Machinery
- Cooling or Refrigeration Heat Exchangers
- Corrosive Liquid or Chemical Handling
- Valves for Railcar Service
- General Industrial Machinery
- Agricultural Equipment and Machinery
- Water and Geothermal Well Drilling Rigs
- Automotive Production Plants
- Oil and Gas Drilling Equipment
- Coolant Flow on Buses and Other Vehicles
- Manlifts and Boom Trucks
- Machine Tools and Equipment
- Part Holding for Inspection, Assembly or Machining (Collet Closers)
- Food and Packaging Machinery and Equipment
- Test Stand/Testing Equipment Circuits

Need Something Special for Your Application? No worries, we've got it covered!

We also provide rapid design, prototyping and manufacturing of custom or modified products. Because of our engineering design team, our decades of experience in the Fluid Power Industry and our expert in-house machining capabilities, we are able to design, manufacture and deliver custom made products or special assemblies of standard products quickly and efficiently. Our Engineering group uses flow modeling software that can interface with our design software to produce models that have "real-life" flow patterns and calculations. This program assists us when we are designing products to the parameters that are needed for a particular application, nothing is left to guesswork.



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