

LISK



Fuel Control

ON/OFF HIGHWAY

Valves for Engine Management Applications

LISK GASEOUS MEDIA VALVES

FOR ON-HIGHWAY AND OFF-HIGHWAY VEHICLE APPLICATIONS.

LISK has been designing and manufacturing gaseous media valves for over 25 years. We work with the world's largest engine manufacturers to meet their needs in fuel delivery systems. Our team of engineers work to optimize LISK engineered valves within existing customer systems as well as provide collaboration and support in the development of new systems.



AIR CONTROL VALVES

- Proportional Relief Valve
- Customizable to Application
- Current Controlled
- Thread or Flange Mount

PRESSURE REGULATORS

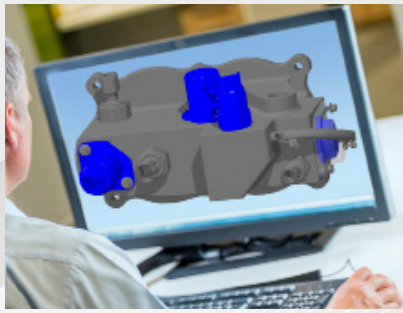
- Proportional Valve
- Boost Assist Optional
- Natural Gas Compatible
- Mechanical or Electronic
- Smart Technology Available

FUEL CONTROL VALVES

- Proportional Flow Control
- Smart Technology Available
- Flexible to Meet System Flow Requirements
- Current Driven
- Natural Gas Compatible

FUEL SHUT-OFF VALVES

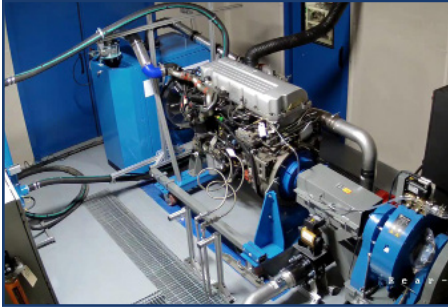
- On-Off Valve
- Pilot Operated
- Current Designs Up 5,000+ PSI Available
- Voltage Controlled
- Natural Gas Compatible



From Valves to Systems

LISK is capable of fuel system assembly allowing delivery of fully assembled and ready-to-go fuel systems. This also provides an opportunity to perform full functional testing at the system level in addition to the component level, helping customers have completely optimized systems upon delivery.

- Integration of Valves
- Integration of Sensors
- Fuel System Assembly



FULL ENGINE TESTING

LISK has invested in Dynamometer test cells to help our customers optimize and troubleshoot their total engine system.

- Natural Gas or Diesel Compatible
- Up to 3560 ft-lb, 6000 RPM, 1000 HP
- Up to 300 PSI Inlet Pressure on Natural Gas

Total In-house Capability for Design, Development & Manufacture

DESIGN & ANALYSIS 3D CAD design capability. Element (including finite) analysis in vibration, shock, temperature, magnetic, flow, heat transfer, and stress.

R&D LABORATORY Electrical characteristics, operational performance including pneumatic and hydraulic pressure/flow stands, response time, life cycling, evaluation of new processes, features, and new product development.

NDT TESTING & MATERIAL ANALYSIS Non-Destructive Testing services that includes x-ray, visual, and Dye Penetrant inspection.

ENVIRONMENTAL TESTING Including, but not limited to shock, vibration, salt spray, humidity, high (1000°F) and low (-150°F) temps, altitude to 100,000 feet, and other testing as required.

HYDRAULIC TESTING Up to 75HP, 60,000 PSI

PACKAGING Commercial, military, environmental storage, custom, VPCI, and returnable packaging and cleaning.

MANUFACTURING ENGINEERING In-house Tool/Machine design and build capabilities.

CNC WINDING MACHINES, COMPUTER AUTOMATED TEST STANDS Reduces manual testing time and cost and eliminates operator error.

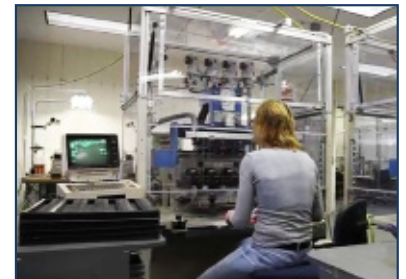
CNC MACHINES Multi-axis, vertical and horizontal turning and milling as well as automatic manufacturing cells.

SCREW MACHINES Six spindle, eight spindle chucking and bar.

WELDING/BRAZING Electron beam, gas tungsten arc welding, laser, induction, heliarc, spot welding, and brazing.

PLATING Cadmium, zinc, electroless nickel, zinc phosphate, chemical film on aluminum, anodize, passivate, Zinc Nickel and others.

PRESSURE MOLDING Transfer and injection coil overmolding.



PRODUCTS



Solenoids



Solenoid Valves



Sensors



Flame Arrestors

DEDICATED TO CONTINUOUS IMPROVEMENT AND TOTAL CUSTOMER SATISFACTION.

Our investment in equipment and facilities is just part of our commitment to customer satisfaction. We also demonstrate it through the use of statistical process controls, Lean Manufacturing programs and continuous personnel and supplier training. It is this level of dedication and investment that makes LISK a global leader in the design and manufacture of Solenoids, Solenoid Valves, Sensors, Flame Arrestors and Intelligent Integrated Sub-Systems.

LISK. ACTIVATING THE WORLD.

MARKETS



Aerospace



Defense



Engine Management



Off Highway



Oil & Gas



Industrial



Power Generation



Medical

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