

YOUR SPECS
OUR EXPERTISE
GREAT FLUID CONTROL
SOLUTIONS

FOR
ENVIRONMENTAL
MONITORING
APPLICATIONS



GAS &
PARTICULATE
MEASUREMENT



AIR, SOIL, & WATER
QUALITY
MONITORING



LABORATORY
SAMPLE
ANALYSIS

FEATURED PRODUCTS

Our collaborative problem-solving approach has provided a wide range of component solutions in mission-critical applications for over 70 years.



Control Solenoid Valves

- 2-Way & 3-Way Designs
- Compact & Lightweight
- Conventional, Latching, & Quiet Operation Models
- Low Power Consumption & Low Leakage
- Long Cycle Life



Isolation Solenoid Valves

- 2-Way & 3-Way Designs
- Chemically Inert
- Diaphragm & Pinch Tube Models
- Low Internal Volume
- Multiple Seal Materials Available



Dispense Solenoid Valves

- 2-Way Axial Flow Design
- Low Internal Volume
- Fast Response Time
- Multiple Seal Materials Available
- Long Cycle Life



Precision Dispense Pumps

- Self-Priming
- Maintenance Free
- Wide Range of Dispense Volumes
- High Dispense Accuracy & Repeatability
- Long Cycle Life



Check Valves, Relief Valves, Precision Orifices & Safety Screens

- Consistent Performance
- Valves & Orifices 100% Tested
- Screen Micron Rating: 4 to 500 μm
- Installation into Plastics or Metals



Manifold Assembly Technology

- Design Flexibility
- Wide Variety of Material Options & Techniques
- Integrated Components
- Reduced Assembly & Installation Costs
- Value Added Solution; 100% Tested

THE FIRST STEP
TOWARD A
HEALTHIER WORLD

DETECT AND
MEASURE

With Lee
Fluid Control
Components



Global environmental monitoring efforts have amassed extensive data-based evidence which demonstrates the health decline of our natural world.

Measurement of important environmental attributes in air, soil, and water not only helps us track our ecosystems' current state, but also allows us to take preventive action through pollution control initiatives. Environmental monitoring instruments are vital to supporting these efforts, and our reliable microfluidic components are at the heart of devices that analyze air, soil, and water quality.

YOUR FLUID CONTROL DESIGN PARTNER

Our products have earned an unsurpassed, field-proven track record in environmental monitoring applications driven by success in some of the most unforgiving conditions on earth. We offer a wide selection of pneumatic control solenoid valves, chemically inert isolation solenoid valves, pumps, and other fluid control components ideally suited to the rigorous requirements of the various types of environmental monitoring devices, including portable gas analyzers, air, soil, and water quality monitors, TOC and VOC analyzers, and GC, LC, MS, or combined systems.

IN THE FIELD

Small size, low power consumption, and absolute reliability are essential

Lee components:

- Feed samples to specialized sensors and vent to atmosphere
- Auto-zero and calibrate sensors
- Control ballast functions in submersible monitors
- Perform deep sea sampling and analysis
- Support hydrogen fuel cells to power UAVs
- Aid in remote sample collections

Compact size
enables smaller
and lighter
portable devices

Extended operating
temperatures
allow use in
extreme conditions

Durable construction
and reliable
performance
reduce intervention

Low power
consumption and
latching options
extend battery life

Pressure
compensated valves
and pumps
withstand the rigors
of deep sea sampling

Boost
Performance
with Lee
Components



When you partner with The Lee Company, you tap into a team with the knowledge, experience, and resources to help solve your most difficult fluidic challenges. With our international network of Lee sales engineers, the support you need is close by to provide the technical expertise and design assistance required for your specific application.

IN THE LAB

High throughput and versatile performance help optimize workflows

Lee components:

- Pump and direct reagents, buffers, and other fluids
- Provide precise flow stream injection of calibrants
- Execute gas and liquid dosing operations
- Feed samples to sensors, then vent to atmosphere
- Auto-zero and calibrate sensors

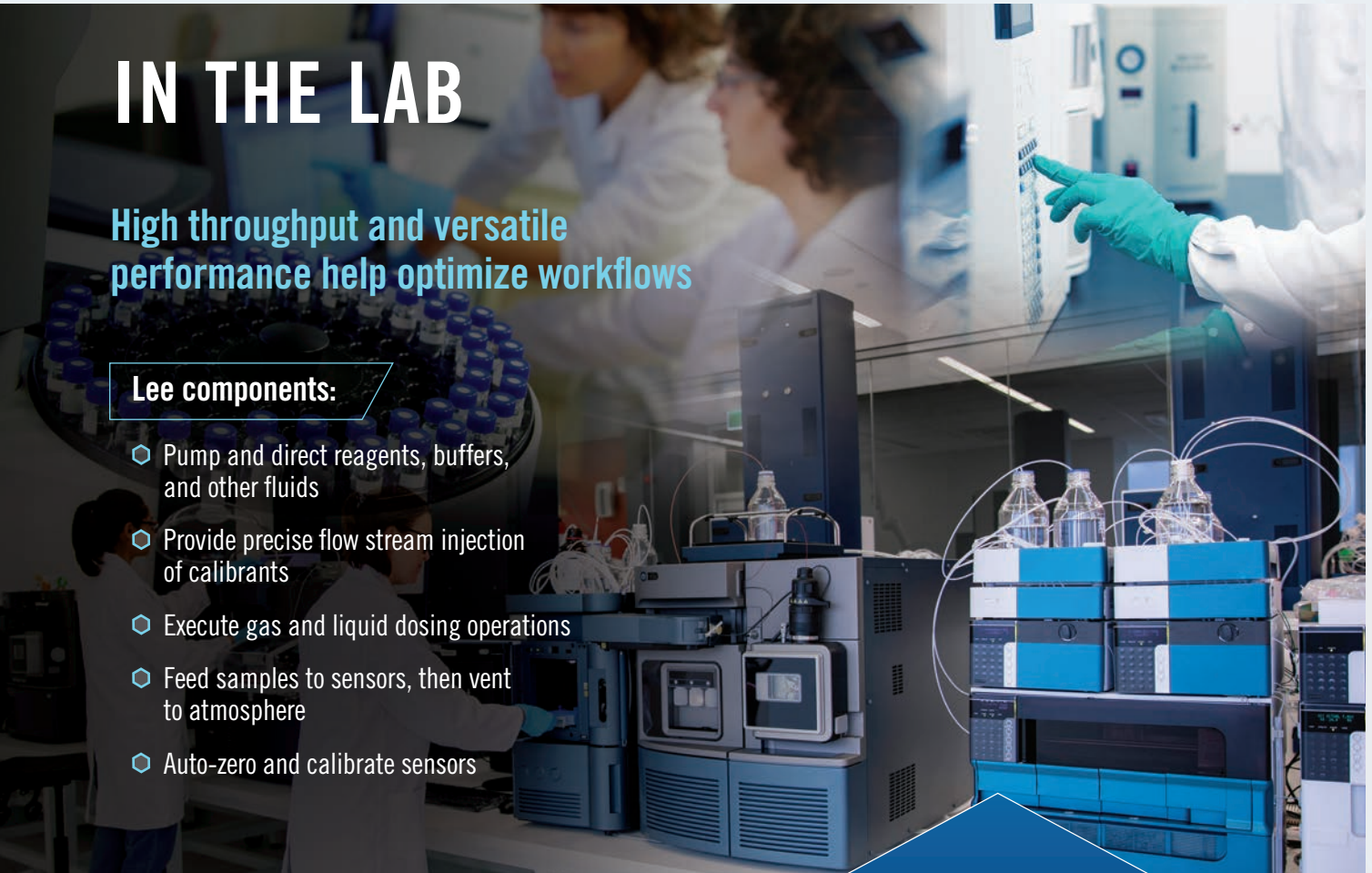
Ultra-high frequency valve operation **increases dispense volume accuracy**

Chemically inert materials minimize outgassing, which **improves detection accuracy**

Exceptionally low leakage **enables precise sample movement with small molecule carrier gases**

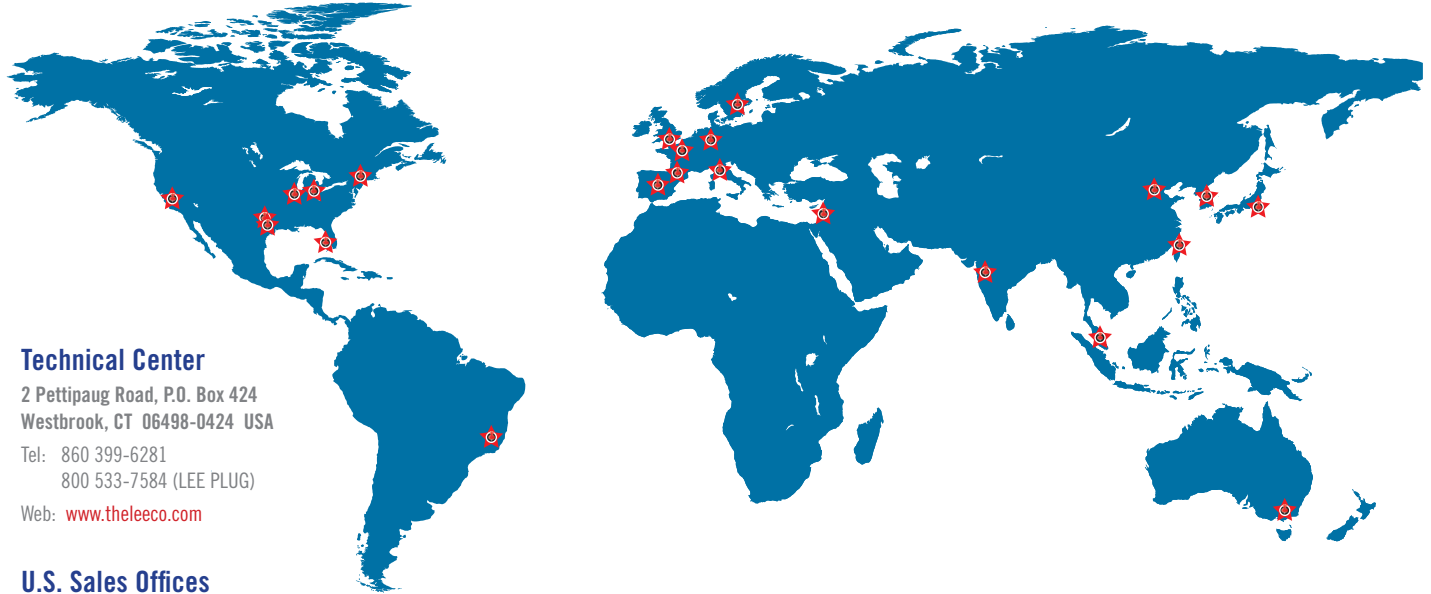
Low internal volumes **conserve costs by minimizing the use of expensive analytical fluids**

High flow capacity **enables faster sampling and reduced venting and calibration time**



GLOBAL ENGINEERING SUPPORT

The Lee Company is committed to providing full, professional service to our customers through a worldwide sales network of technical sales engineers. If you have a fluid control problem and would like to talk to an engineer, or would like product information, please contact the Technical Center or your local sales office.



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