

**Flow measurement instrumentation  
from the industry experts.**



**EXCEPTIONAL SERVICE**



**ON-TIME DELIVERY**



**RELIABLE TECHNICAL SUPPORT**

# Piston-Style Variable Area Flow Meters



## Basic Variable Area Flow Meter



- Direct reading in-line flow meter
- For use with petroleum-based oils and water-based fluids
- Weather-tight construction
- Bi-Directional and reverse flow option available

## ClearView® Flow Meter



- Rugged construction resists cracking
- Available in polycarbonate or polysulphone
- Flow ranges from 5 to 30 GPM
- Clear bodies allow for visual inspection of flow
- Multiple port sizes available

## Flow Switch / Flow Alarm



- Provides continuous monitoring and control of flow rate levels
- Rugged cast aluminum NEMA type 4X enclosure
- Suitable for outdoor use
- Available with either one or two field adjustable limit switches

## Flow Transmitter



- 4-20 mA, 0-5 VDC and 1-5 VDC outputs
- Rugged cast aluminum NEMA type 4X enclosure
- Suitable for wash down and mobile / outdoor applications
- Provides local indication of flow rate

## Hydraulic Test Analyzer



- Complete trouble shooting system
- No electrical hook-up needed
- Compact design allows for easy transport
- Reverse flow available
- Temperature gauge option available

## Case Drain Monitor



- Affordable option to monitor case drain flow
- Minimal pressure drop
- Ideal for confirming pump performance
- Available in 1/2", 3/4" and 1" ports

## High Temperature Flow Meter



- Designed to handle the punishing fluid and ambient temperatures found in barrel heater and metal casting environments
- Maximum operating temperature ratings: H Series: 400°F, J Series: 600°F

## Phosphate Ester Flow Meter



- Direct reading in-line flow meter
- Factory calibrated for phosphate ester fluids
- All materials of construction compatible with phosphate ester
- Density corrected to 1.115 S.G.

## Pneumatic Flow Meter



- Direct reading in-line flow meter
- Ideal for monitoring compressor outputs
- For use with compressed air or gas
- Custom calibrations available for alternate media / operating pressures

## Bi-Directional / Reverse Flow Meter



- Direct reading in-line flow meter
- For use with petroleum-based oils and water-based fluids
- Weather-tight construction

## All Lake Variable Area Meters Have:

- **3 Different Construction Materials:** aluminum, brass or #304 stainless steel
- **24 Different Port Sizes:** NPTF, SAE and BSPP thread forms
- **26 Flow Ranges:**  
Liquid – 0.05-1 to 12 - 150 GPM  
Air/Gas – 2-12 to 150-1300 SCMF
- **Accuracy:** +4% of full scale
- **Operating Pressure:**  
Liquid – 6000 PSI max  
Air/Gas – 1000 PSI max
- **Unrestricted Mounting Orientations**

## Paddle Wheel Flow Meters



### Standard FlowStat® Flow Meter



- 316 stainless steel body
- Flow ranges 0.5-150 GPM
- 4-20 mA, 0-5 VDC, pulse or relay outputs available
- Excellent for monitoring cooling circuits
- Measuring accuracy of  $\pm 2\%$
- Encapsulated electronics

### Economy FlowStat® ES Flow Meter



- Polypropylene body
- Flow ranges 0.5 to 50 GPM
- 4-20 mA, 0-5 VDC, pulse or relay outputs available
- Excellent for monitoring fresh water flows
- Measuring accuracy of  $\pm 2\%$
- Encapsulated electronics

## Specialty Flow Products



### Flow Analyzers & Totalizers



- May be powered by 110 VAC or 12-24 VDC
- Interfaces directly with Lake Monitors' flow transmitters & FlowStat®
- Two programmable 10A relays
- Accepts analog inputs of 0-5V, 0-10V, 1-5V, 4-20 mA and 0-20 mA



## Responsive... and Fast too!

Lake's high-quality, low-cost flow monitoring products can be utilized in either compressed gas or liquid systems to ensure proper flow rates of coolants or purge gasses and lubricants.

### Responsive Support

You won't have to ask us twice to assist you. The AW-Lake Company Customer Support team delivers knowledgeable, responsive customer support when you need it. Whether it is application assistance, order tracking or engineering support, we help you get the right information quickly.

### Fast Delivery

Lake prides itself in getting product out the door. Besides great standard lead times, Same Day Express is offered on more popular products.

## Differential Pressure Flow Meters



### FreeFlow® Flow Meter



- No moving parts
- Measuring accuracy  $\pm 2\%$  of full scale with  $\pm 0.5\%$  repeatability
- Used to monitor and control process water
- 0-5 VDC (standard), 0-10 VDC (optional)

## Contact LAKE Monitors Today!

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# Responsive... and Fast too!

Process Water

Hydraulic Circuits

Produced Water

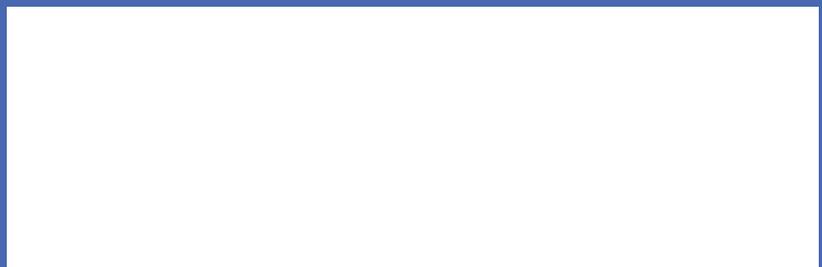
Chemical Processing

Compressed Air & Gas

Glycol Cooling Systems

Lubrication Circuits

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