

FLOW METERS



DVU FLOW METERS

Individual flow meters for oil flow control and adjustment in Oil Circulating Systems. Each flow meter has a spring loaded float with an integral magnetic. The oil flows from the bottom to the top whereby raising the piston in a glass tube to a point dependent upon the flow rate required. Needle valve required if not used in DVA manifold.

FEATURES & BENEFITS

- 11 Output Ranges:
 - 0.1-0.45, 0.2-1.2, 0.4-2.0, 0.6-3.4, 2.8-8.0, 3.0-15.0, 4.0-20.0, 2.5-45.0, 5.0-55.0, 2.5-70.0, and 5-80.0 LPM per outlet
- Compact and sturdy design
- Switch contacts available
- Oil Viscosity 1 - 560 cSt
- Pressure 12 bar (176 psi)



DVA FLOW METERS

Manifold for oil flow control and adjustment in Oil Circulating Systems. The oil flows from the manifold to the top whereby raising the piston in a glass tube to a point dependent upon the flow rate required with an integral flow adjustment needle valve.

FEATURES & BENEFITS

- Up to 8 outlets in one manifold
- Total flow up to 24 LPM to one manifold
- 5 flow ranges as DVU
- Mixed outlets in one manifold (Total flow cannot exceed 24 lpm)
- Compact & sturdy design
- Switch contacts available
- Oil Viscosity 30 - 560 cSt
- Pressure 12 bar (176 psi)



INDUSTRIES SERVED

- + Paper
- + Steel
- + Hydro
- + Mining
- + Sugar
- + Industrial Machinery

FLOW METERS



DKA FLOW METERS

Individual Meter for oil flow control and adjustment in Oil Circulating Systems. Special float principal, with cylindrical measurement pipe, orifice and spring-loaded suspended float. Viscous compensation within viscosity range. Available with contact only, display only, and display with contact. Can be mounted in any orientation (bottom to top is recommended). **Adjustment needle valve is required to adjust flow.*

FEATURES & BENEFITS

- 8 Measuring Ranges:
 - 0.1-0.4 LPM flow
 - 0.35-1.25 LPM flow
 - 1-3.5 LPM flow
- 2-6 LPM flow
- 5-16 LPM flow
- 10-32 LPM flow
- 20-60 LPM flow
- 30-100 LPM flow
- Oil Viscosity 30 – 540 cSt
- Pressure 16 bar (230 psi)



DFM FLOW METERS

All sizes are manufactured to the same design concept, the body houses a spring-loaded valve plate (vane), which pivots off-center in a hemispherical cavity working off a variable area orifice relationship. The main advantage ensures that the pressure drops are confined to an absolute minimum across the vane orifice at full flow. Sizes are defined by pipe size and/or minimum flow capacity and every flow switch is individually calibrated, so that full scale deflection is used in each application. A dial and mechanical indicator continuously monitor the flow rate, while electrical switches can be specified to signal when a particular level has been reached.

FEATURES & BENEFITS

- Flow through design – minimal pressure loss
- Limited movement on internal parts – minimal wear
- Range of body materials available
- Size range from 8mm (1/4”) to 200mm (8”)
- 8 Output Ranges: from 0.2 – 5000 LPM flow
- 1% of rate repeatable switch set point
- Weatherproof enclosure box to IP65 (NEMA4)
- 4-20 mA & 0-10v outputs available – may be installed in any position
- Oil Viscosity: 1 – 600 cSt
- ATEX approved explosion-proof models available
- Individually calibrated to customer specification – ensures accuracy

FLOW METERS



DON FLOW METERS

The oval gear meter is a precise positive displacement flowmeter incorporating a pair of oval geared rotors. Aluminum meters are suitable for lubricating oils, but stainless are available. The flowmeter is available as a measurement transducer with pulse output or with other forms of evaluation electronics.

FEATURES & BENEFITS

- 13 Flow Ranges
- From as little as 0.5 LPH to 2500 LPM
- NPT or G threaded on small sizes
- ANSI or DIN Flanged on larger flows
- Oil Viscosity 30 – 540 cSt
- Pressure 16 bar (230 psi)



DKY FLOW METERS

Oval type flow meters are a complete flow measurement and monitoring system for re-circulating oil systems. The method of measurement is based on the rotation of special oval designed gears – the speed of which changes in proportion to the flow of oil through the meter. This gives a visual indication of the flow rate through the transparent cover, and also sends electrical pulse signals to an electronic monitor or PLC to provide actual flow figures. The monitor or PLC provides information to allow either low or high flow monitoring to be provided.

FEATURES & BENEFITS

- Single or Multiple channel
- From as little as 0.5 LPH to 2500 LPM
- NPT or G threaded on small sizes
- ANSI or DIN Flanged on larger flows
- Oil Viscosity 30 – 540 cSt
- Pressure 10 bar (140 psi)

OUR INDUSTRY LEADING FAMILY OF BRANDS



DELIMON

Farval®

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FLOW METERS



DS405 MONITOR

A dedicated product, highly configurable that is used to monitor Oil Circulating Systems. Real-time monitoring of the flow rate of oil, typically through an oval gear flowmeter. The DS405 records and displays the flow rate delivered per channel and provides the end user with a reliable, expandable, and accessible data capture of flow and alarms. Low flow rate alarm prevents a bearing being starved of lubricant and failing whereas the high flow rate alarm prevents the over-filling of bearings and lubricant spilling out.

FEATURES & BENEFITS

- 24 individually configurable input channels with capacity for high-speed pulses per second - up to 200 pulses per second
- Choice of 3 monitoring modes: Flow rate, Total loss, or Static per channel
- Large graphic display for ease of setup and clear monitoring status
- 2 Volt-free change over relay common outputs: 1 for warning & 1 for fault
- Programmable warning & alarm levels for each channel
- Real-time clock with warning & alarm data logging up to 1,000 events
- USB port for downloading events (i.e. log & monitor setup, uploading of monitor setup parameters)



LUBE POINT MONITOR - 55105

An accurate oval gear mechanism that incorporates two magnets into one of the nylon oval gears. The body incorporates a reed switch, which senses the magnet passing. Lubricant entering the 55105 causes the gears to rotate. Each pulse equates to an approximate displacement of 0.040 cu. in. (.65 cc). The monitoring of the 55105 is done with any PLC or the dedicated DS405 Controller. The feedback from the 55105 will assure that lubricant has reached the inlet of critical lubrication points.

FEATURES & BENEFITS

- Flow 0 - 2.5 LPM
- Oil Viscosity 32 - 1500 cSt
- Connection: 1/8NPT or 1/8BSP
- IP-67 rated
- Accuracy $\pm 3\%$ at $+20^\circ$
- Temperature Range: -4°F to 158°F (-20°C to 70°C)
- Aluminum or stainless material available