

OX & DIGIFEEDER

SMALL VOLUME LIQUID METERING SYSTEMS

FEATURES AND BENEFITS

- precise stepping motor drive
- positive displacement
- flow rates from micro-liters to liters per minute
- minimal maintenance
- high reliability
- accepts analog control signal: 0-5V, 0-10V, 4-20mA (digifeeder only)
- custom designs available

PUMP MODULE FEATURES

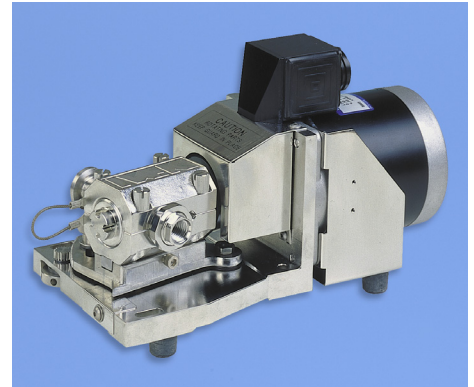
- wetted component materials – PTFE, FKM*, alumina or zirconia ceramic (*other elastomeric materials available)
- liquid rinse gland available
- heated pump head option available

MOTOR/BASE MODULE FEATURES

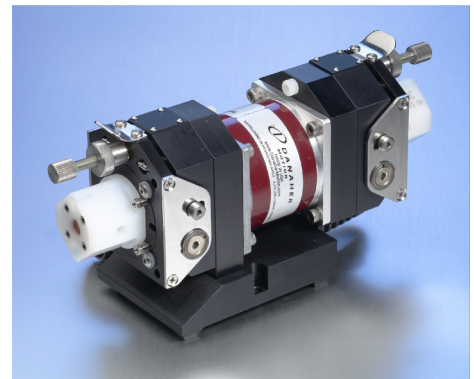
- panel mounted and enclosed motor/base module options available
- high torque stepping motor drives
- single and dual end 23 and 34 frame motor options

CONTROLLER OPTIONS

- PLC interface available
- high speed drive to 1155 RPM
- totalizer – records metered amount
- 3-1/2 digit readout display for input or output process signal
- alarm and fault outputs
- feedback output signal for verification of rate
- analog to manual override mode
- reverse mode



HD motor/base/pump
118mm x 198mm x 145mm



ap dual end motor/base/pump
6.9cm x 19.5cm x 10.7cm



ox & digifeeder controller modules
29.8cm x 37.5cm x 14.3cm



ISO 9001 CERTIFIED
ISO 13485 CERTIFIED



IVEK CORPORATION • 10 FAIRBANKS ROAD • NORTH SPRINGFIELD • VERMONT • 05150 • USA
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IVEK's Ox and Digifeeder liquid metering systems are capable of programmable and highly repeatable flow rates ranging from microliters per minute to liters per minute.

The Ox systems are time-based and flow rates are simply adjusted with a digital selector switch. After the initial setup, they require no mechanical adjustment or recalibration. Ox units can be enabled via manual and/or remote control.

The Digifeeder systems are designed to interface with process control systems. They accept analog input signals to control flow rates. Changes in the analog input signal will proportionally change the flow rate. The input signal is converted to digital pulses that immediately and precisely control the stepping motor.

TYPICAL APPLICATIONS

- general laboratory
- pharmaceutical media processing
- pulp and paper processing
- wastewater treatment
- industrial and chemical processing
- flavoring and coloring additions
- plating bath additions
- flocculent additions
- preparative chromatography
- enzyme feeding
- nutritional media additions
- and many more

IVEK's ceramic piston/cylinder modules are extremely hard and resist abrasion, resulting in a system that exhibits little to no wear even after hundreds of millions of cycles. In addition, the ceramics are compatible with most acids and bases. The natural crystalline structure of the ceramics displays zero porosity, which insures zero retention and carry-over of one biological fluid to the next.



piston/cylinder sets

PRECISION ENGINEERED FLUIDIC SOLUTIONS SINCE 1979

IVEK Corporation is committed to quality and customer support. Our product has always been relied upon for critical applications and our policy states customer satisfaction as the number one priority. As our customer you will experience exceptional performance and reliability for your most demanding applications. IVEK Corporation is ISO 9001 and ISO 13485 certified.



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