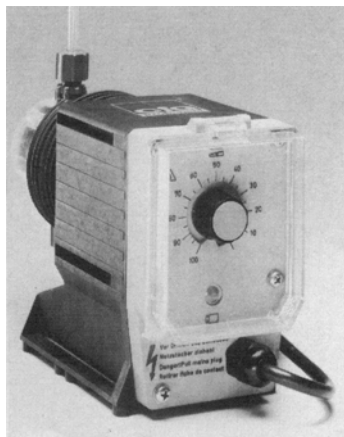


## NEW PRODUCTS



### FEED PUMP

ProMinent Fluid Controls has introduced the "F Series" chemical feed pump. The F-pump has one moving part, requires no lubrication, employs wetted parts for many chemicals and offers a ten-to-one turndown ratio. Its capacity ranges from 0.35 gallons to 18 gallons per day, with pressure capability to 285 psi. Contact: ProMinent Fluid Controls Inc., PO Box 4549, Pittsburgh, PA 15205.

### FLOWMETERS

The Model 110 Flo-Meter plastic gas flowmeters by McMillan Co. are available in 10 ranges, to cover flow rates from 10 milliliters to 100 liters per minute. Linearity is claimed to be  $\pm 3\%$  full scale. Measurements are displayed on an LCD digital display. A 0-5 VDC recorder output signal is provided. Contact: McMillan Co., 1301 Sparrow Trail, Copperas Cove, TX 76522.

### ELECTROPHORESIS

Applied Biosystems offers Model 270A, an analytical system coupling the separation power of electrophoresis with microprocessor-controlled instrumentation. This analytical capillary electrophoresis system uses small-bore capillary tubes to permit separations in free solution without the use of a gel matrix or denaturant. Contact: Applied Biosystems, 777 Lincoln Centre Dr., Foster City, CA 94404.

### VISCOMETER

The HAAKE VT500 viscometer features microprocessor control, a built-in temperature sensor and an optional analog recorder. It was designed to operate with a variety of sensors—concentric cylinders, plate and cone, immersion and ISO/ASTM spindles. It can be used to test oils, polymer solutions, slurries, paints, inks, printing pastes, lotions, creams, foods and PVC plastisols. Contact: Haake Buchler Instruments Inc., 244 Saddle River Rd., Saddle Brook, NJ 07662.

### STIRRED AUTOCLAVES

Autoclave Engineers has developed EZE-Seal stirred autoclaves for use in research laboratories. The packaged reactor systems are available in capacities of 50 to 1,000 milliliters and pressure ranges of 1100 and 3300 psi. They feature low-torque closure, easy interchange of vessel body, a packless mixing system and temperature/speed control. Contact: Autoclave Engineers Inc., 2930 West 22nd St., PO Box 4007, Erie, PA 16512.

### REACTOR/CALORIMETER

Contraves Industrial Products Division has introduced the Contalab bench-scale reactor/calorimeter which features heat-balance calorimetry capability. This capability allows the calorimetric evaluation of reactions at or near boiling points and/or involving nonlinear changes. The self-contained Contalab bench-scale reactor/calorimeter is provided as a turnkey system. Contact: Contraves Industrial Products Division, 11258 Cornell Park Dr., Cincinnati, OH 45242.

### RECIRCULATING BATH

Tekmar Co. has designed the Model 2065 refrigerated recirculating bath to maintain constant fluid temperature within a chamber for either direct immersion or circulation to

various laboratory apparatus. It has a cooling capacity of 300 watts at 0°C and a heater output of 750 watts. The temperature range is -20°C to +100°C. Contact: Tekmar Co., PO Box 371856, Cincinnati, OH 45222-1856.

### CARTRIDGE SEAL

The Chesterton 123 self-aligning cartridge mechanical seal has been redesigned. Changes include isolating drive pins from the process fluid, allowing a minimum stuffing box of 1.5 inches for all sizes, reducing face distortion caused by temperature change at the seal face, and eliminating narrow crevices between the seal sleeve and the rotary. Also, set screws equally spaced and a lip on the lock ring have been incorporated to increase support of the sleeve at high fluid pressures. Contact: Chesterton International Inc., Middlesex Industrial Park, Route 93, Stoneham, MA 02180.

### TUBE CLEANING MACHINE

The Eagle II HD tube cleaning machine is designed to clean fouled vertical or horizontal tubes two to 40 feet in length. It is a non-electrical, pneumatically-driven unit weighing less than 200 pounds. Contact: Eagle Industries, PO Box 6185, Long Beach, CA 90806.

### CHROMATOGRAPHY SOFTWARE

Antek Instruments offers DELTA chromatographic software in two packages for use on an IBM PC and most compatibles. The DELTA Junior is designed as a single-instrument, dual-detector integration system; it provides automatic calibration, autosampler control and disk storage of chromatograms. The DELTA package can access and process data from one or two instruments with one or two detectors each. Contact: Antek Instruments Inc., 6005 North Freeway, Houston, TX 77076.