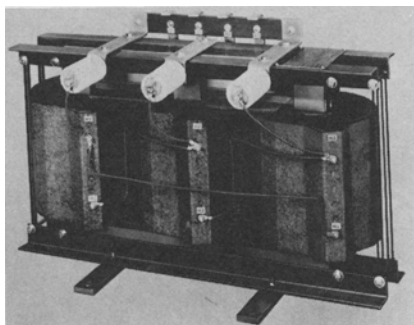

New Products

HOT AIR BURNER

Atomergic Chemetals Corp. has developed a new concept in Bunsen-type burners, the Electro Burner, which works on forced hot air. This concept makes it clean, odorless and soot-free, with no flame adjustments necessary. A larger size burner with temperatures up to 800 C also is available for large flasks and beakers. Contact: M. Blum, Atomergic Chemetals Corp., 100 Fairchild Ave., Plainview, NY 11803.

INJECTION PUMP

A pneumatic chemical injection pump with a 1/2-inch plunger, the Model 34-02, has been designed by Liquid Level Electronics Inc. The unit is a positive displacement pump for injecting a range of liquids into lines under pressure in refining and process plants and numerous water treatment processes. Contact: Linc Manufacturing, Liquid Level Electronics, Inc., PO Drawer 788, Porter, TX 77365.



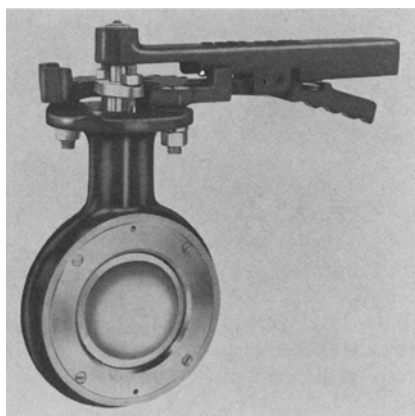
ENERGY-SAVING TRANSFORMER

Litton Industries' Jefferson Electric division has introduced a high-voltage transformer which, according to the company, features a longer life, low maintenance costs and up to 30% savings in transformer energy loss. Units are available from 5 to 200 kilovolt-ampere single-phase models and from 15 to 300 KVA three-phase models, and with voltages up to 15 KV. Contact: Litton Industries, 111 E. Wacker Dr., Chicago, IL 60601.

MICRO TEST TUBES

Eight different styles of micro test tubes for sample centrifugation, specimen handling and storage are available from Sarstedt Inc. Available color-coded and with separated or attached caps, the tubes feature smooth, low-wetting interiors and wall weights that withstand autoclaving, freezing and high G forces without product loss.

Test tubes are available to fit popular micro centrifuge rotors, slides and racks. Contact: Sarstedt Inc., Box 4090, Princeton, NJ 08540.



FIRE-SAFE VALVE

Posi-Seal International Inc. has developed a fire-safe valve which offers metal-to-metal sealing before, during and after exposure to extreme temperatures. Featured are a patented trip seal configuration composed of a metal sealing ring, resilient insert and resilient back-up ring. The Phoenix III is a quarter-turn valve, offered in wafer-style or single flange (lug) design. At temperatures from -20 F to +450 F and during and after a fire, the valve provides bubble-tight shutoff at full rated pressure in both directions of flow, the company says. Contact: Posi-Seal International Inc., Routes 49 and U.S. 95, North Stonington, CT 06359.

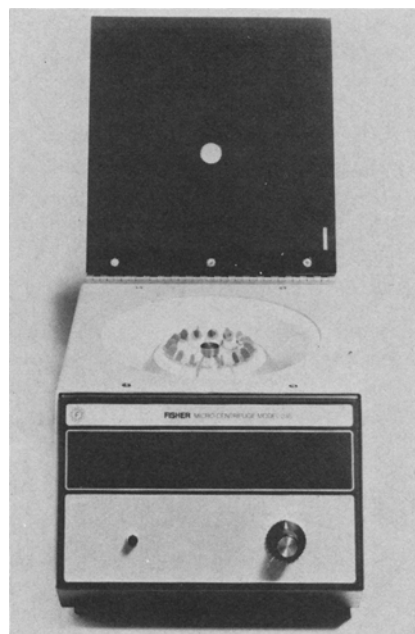
LIQUID LEVEL MONITOR

An in-tank transmitter insert developed by Gems Sensors Division provides continuous liquid level monitoring. The Gems Roli is enclosed in a hose of stainless steel or plastic and inserts into a pre-installed 1-1/4-inch schedule 40 nonmagnetic pipe or can be suspended by itself in land-based tanks. The assembly features J-box or cable outputs and 304/316 stainless steel float stops. Contact: Gems Sensors Division, Transamerica DeLaval Inc., Farmington, CT 06032.

IR SPECTROPHOTOMETERS

Three microprocessor-controlled infrared spectrophotometers from Perkin-Elmer offer ratio recording and integrated scan modes of operation. Each instrument in the Model 680 series can be coupled with a Perkin-Elmer Infrared Data Station to extend its

problem-solving capabilities. Ratio recording insures constant response over the entire ordinate range and integrated scan modes enable the operator to set the instrument for optimal operation after desired resolution is selected. The series features a new control panel with an array of digital selector buttons to set the wave number, the ordinate scale, the baseline and other instrument parameters. Contact: Perkin-Elmer Corp., Main Avenue, Norwalk, CT 06856.



MICRO-CENTRIFUGE

The new Fisher Model 235 Micro-Centrifuge is a bench-top unit designed to reach speeds of 13,750 rpm in less than 6 seconds. The centrifuge has small-scale and general purpose applications in clinical, industrial, educational and research laboratories. The unit has a safety interlock in the lid that cuts power if the lid is opened during operation and an externally mounted potentiometer control on the back of the centrifuge to facilitate speed calibration. Contact: Fisher Scientific Co., 711 Forbes Ave., Pittsburgh, PA 15219.

WATER FOR HPLC

Burdick & Jackson Laboratories recently began production of high purity water specifically for the newest reversed-phase and gradient elution techniques in HPLC. The use of more sophisticated HPLC instrumentation has placed rigorous demands on solvent quality requirements beyond the purity

New Products

level of routine laboratory water supplies. The company's high purity water meets the critical requirements for HPLC with negligible UV absorbance and low organic carbon and particulates. Contact: Burdick and Jackson Laboratories Inc., 1953 S. Harvey St., Muskegon, MI 49442.

TRANSFER HOSE

The Carborundum Co., a subsidiary of Kennecott Corp., has developed a new line of transfer hose lined with Teflon TFE. The Edlon brand hose has a braided steel shell covering a layer of bellows and the one-piece TFE liner. The hose is available in diameters of one to three inches and in lengths up to 10 feet. Contact: Lyne da Costa, Carborundum Co., Edlon Chemical Process Equipment, 117 State Rd., Avondale, PA 19311.

LEAK DETECTOR

Milton Roy Co. is marketing a tubular diaphragm leak detector to help minimize production loss caused by diaphragm leakage in metering pumps. The key component is a conductivity sensor mounted in the tubular diaphragm liquid end. The sensor responds to increases in intermediate liquid con-

ductivity caused by process fluid contamination. The sensor may be connected to the user's own system or a conductivity-actuated on/off relay to halt the process, sound an alarm or trigger some other alert mechanism. Contact: Milton Roy Co., Flow Control Division, 201 Ivyland Rd., Ivyland, PA 18974.

WAVELENGTH DETECTOR

The new UV/Visible Variable Wavelength Detector, the Model SP 8400, has been introduced by Spectra-Physics. The SP 8400 can be used as a free-standing variable wavelength detector or can be controlled by the company's SP 8000B HPLC unit. Features include push-button operation, digital display of the operating wavelength and an Auto Gain circuit which compensates for changes in lamp output and solvent transmittance at different wavelengths. Contact: Spectra-Physics, 2905 Stender Way, Santa Clara, CA 95051.

COMBUSTIBLE-GAS DETECTOR

A combustible-gas detector for detecting explosive gases such as hydrogen and methane has been introduced by Sierra Monitoring Corporation. The Model 2001CG features a semiconduc-

tor-type sensor, an adjustable alarm level with a range of 500-10,000 ppm, an audible alarm, an LED power indicator and a 6-volt alarm output for remote control. Contact: Sierra Monitoring Corp., 1031D East Duane Ave., Sunnyvale, CA 94086.

NEW PRODUCT LITERATURE

Thermco Instrument Corporation, PO Box 309, LaPorte, IN 46350 has a 12-page **Bulletin on the Model P25 Oxygen and Hydrogen Analyzer**....Warren Rupp Co., PO Box 1568, Mansfield, OH 44901 offers a six-page folder on its Sandpiper air-powered, double-diaphragm pumps....Analabs of Foxboro Analytical, 80 Republic Dr., South Norwalk, CT 06856, has a brochure on its Miran Infrared GC Detector....Haake Inc., 224 Saddle River Rd., Saddle Brook, NJ 07662 has information on its Rheocord Torque Rheometer viscosity measuring system....EG&G Princeton Applied Research, PO Box 2565, Princeton, NJ 08540 has published a booklet, **Specifications, Descriptions and Applications** for its Models 4202 and 4203 Multipoint Signal Averagers....Alfa Products, Thiokol/Ventron Division, 152 Andover St., Danvers, MA 01923 offers a **1980/81 Catalog of Research Chemicals and Materials**...