

# New Products



## DRUM VENT

Justrite Manufacturing Co. has introduced a nonmetallic drum vent to protect drums of flammable liquids, with both pressure and vacuum relief. A spring loaded polyethylene valve opens within 5 psi whenever internal drum pressure builds to that level. A synthetic "duckbill" valve assures vacuum relief. The vent body is high-density polyethylene. A flame arrester protects the drum contents from external sources of ignition. Contact: Justrite Manufacturing Co., 2454 Dempster St., Des Plaines, IL 60016.

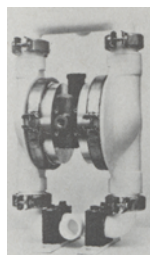
## PRESSURE VALVE

Unitest Systems offers a high-speed pressure limiting valve for hydraulic and pneumatic systems. The valve is designed to automatically shut down a pressure line when a preset pressure is reached, recycle and reopen when the excess pressure subsides, to help prevent system ruptures and equipment damage. The valve also protects pressure-sensitive components subjected to pressure spikes and surges. Six field-adjustable ranges cover pressures from 75 to 6000 psi. The housing is aluminum and other parts are cadmium-plated steel. Contact: Unitest Systems, Transamerica Delaval Inc., 5000 Triggs St., Los Angeles, CA 90022.

## DRUMSTICK

Gems Sensors Division has available a compact, self-contained liquid level indicator for use in standard 55-gallon storage drums. Nonelectrical and manually actuated, the indicator can be used for on-the-spot level readout in storage tanks, vessels and drums where power is not available. A magnet-equipped float moves with the liquid level along the unit's stem inside the drum. Standard mountings are 2" NPT. Applications include storage drums with chemicals, lube oils or fuel and

pressure vessels storing hazardous liquids. Contact: Gems Sensors Div., Transamerica Delaval Inc., Cowles Rd., Plainville, CT 06062.



## DIAPHRAGM PUMP

Mefaro B.V. of The Netherlands has introduced a plastic diaphragm pump that can carry abrasive liquids without being damaged. Driven by compressed air or nitrogen, the pump is designed for use in areas where there is risk of explosion. The liquids may have a solids content of up to 70%, with maximum diameter of solid particles up to 0.25 in. All pump parts in contact with liquids are made of polytetrafluoroethylene. The pump flow rate is adjustable to a maximum of 47 gallons per minute and maximum head capability of 164 feet. Contact: The Consulate General of The Netherlands, Economic Station 5a7/82, One Rockefeller Plaza, New York, NY 10020-2094.

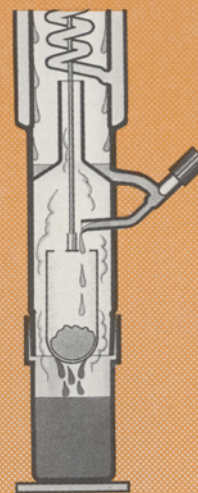


## VACUUM GAUGE

Teledyne Hastings-Raydist has a new linear, digital vacuum gauge with a range of 1-1999 microns Hg. The instrument uses an analog signal to drive a remote indicator for recording and data logging. Calibration of add-on equipment is simplified by the scaling of output so that voltage units equal the pressure units. The gauge is housed in a 1/4 D1N package measuring 96 mm square x 180 mm deep. Contact: Teledyne Hastings-Raydist, PO Box 1275, Hampton, VA 23661.

# FAT ANALYSIS FASTER

The new Soxtec™ HT



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Our patented technique\* reduces extraction time to 20% of the rated Soxhlet time.

## Safety

Evaporation heat is conducted by oil from a separate source.

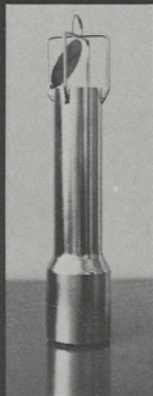
\* (USP No. 3,798,133)

Please call or write for product details.

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## New Products

### MASS DETECTOR

Applied Chromatography Systems Inc. has a detector for the HPLC/GPC detection of carbohydrates, polymers and lipids. The detector uses a nebulising gas and solvent evaporation heater column to find solute particles by scattered light. These particles are then detected by a photomultiplier located at a 120° angle to the incident light beam. Contact: Applied Chromatography Systems Inc., 409 S. Pugh St., State College, PA 16801.

### DISPOSABLE BOOTS

Abanda has introduced disposable boots for laboratory, workshop and clean room personnel. The boots close completely at the ankles with pants tucked into the boot tops, fastened with adjustable straps for full-body protection. The boots are made of durable, tear-resistant DuPont Tyvek, a spunbonded olefin, with nonskid soles. Available in medium and large unisex sizes, the boots are a standard white color. Contact: Disposables Inc., 14 Locust St., Manhasset, NY 11030.

### pH ELECTRODE

Beckman Instruments has introduced its Micropore combination pH electrode for measuring pH in aqueous solutions. A new type of junction on the electrode allows measurements in solutions previously requiring a flowing junction. The 5" × 0.5" electrode has an epoxy body. Contact: Beckman Instruments Inc., Scientific Instruments Div., Box C-19600, Campus Drive at Jamboree Blvd., Irvine, CA 92713.

### INCUBATORS

Chemtrix Inc. has announced a new line of incubators operating to 60 C with ± 0.1 C sensitivity, ± 0.3 C stability and ± 0.6 C uniformity. Features include double-walled construction, high-grade insulation throughout, recessed control panels, and insulated doors with heavy-duty silicone door gaskets and positive latches. Interiors are constructed of stainless steel, with two warp-resistant stainless-steel shelves which are adjustable on 0.5" centers. Incubators are available in three sizes and operate on either 110 or 220 VAC. Contact: Chemtrix Inc., 163 SW Freeman, Hillsboro, OR 97123.

# TVP®

**They say that imitation is the sincerest form of flattery...**

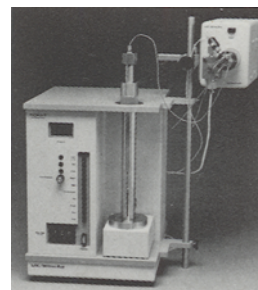
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### METERING PUMP

LDC/Milton Roy has introduced its latest microMetric metering pump for use in microbore liquid chromatography. The pump features a stepping motor drive and the elimination of check valves, which allow flow rate accuracies to < 1% of dial setting. The pump has a nonpulsating flow rate from 1 to 450 µL/min at pressures to 10,000 psi. Other features include a 5 mL capacity with fast fill, direct reading digital pressure gauge, a settable overpressure limit with reset and an LED overpressure signal. A microvalve unit accessory is also available. This valve incorporates a pump-fill mode and a sample inject mode and has a 0.5 mL sample loop. Contact: LDC/Milton Roy, PO Box 10235, Riviera Beach, FL 33404.