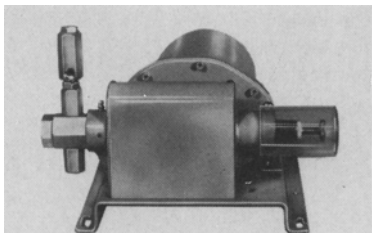


New Products

- A scraped surface heat exchanger made by Machinefabriek Terlet N.V. of The Netherlands is now available for export to the US, Canada and other countries. This exchanger is said to be effective for the treatment of products which can be pumped and cooled, pasteurized, sterilized, crystallized, boiled and/or heated. An insulating layer formed in the heat exchanger wall prevents product adhesion. Contact: Consulate General of The Netherlands, Commercial Division, One Rockefeller Plaza, New York, NY 10020 (tele: 212-C1 6-1429).

- Pope Scientific, Inc. announces a Wiped Film Concentrator/Evaporator which it says minimizes the spillage with vacuum concentration and distillation of heat sensitive, viscous or low thermal conductive materials. Special slotted wiper blades spread the distillate evenly over the entire evaporative surface in a thin film and propel it downward to limit heating time. Contact Pope Scientific, Inc. N90 W14337 Commerce Dr., Menomonee Falls, WI 53051.

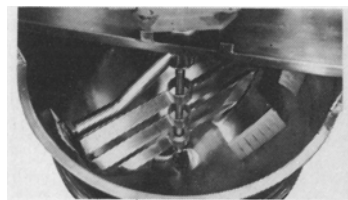
- Leybold-Heraeus' Vacuum Process Engineering Division has developed a two-stage, short-path distillation pilot plant, the KD 10. The modular components can be put together in any desired way to meet the user's demand, and throughput ratings lie between almost zero and 20 kg, according to a release by Leybold-Heraeus. Contact: Leybold-Heraeus GmbH, Vacuum Process Engineering Division, D-6450 Hanau/Main, P.O. Box 549, West Germany (tele: 06181-364-254).



- The Series 300 Piston Pump for water treatment is available from Neptune Chemical Pump. It features gear motor design and may be adjusted as it runs. The Series 300 may be top mounted on tanks or wall bracket mounted above chemical drums. Contact Mike Dowse, Sales Manager, Neptune Chemical Pump Co., P.O. Box 247, Lansdale, PA 19446 (tele: 215-699-9228).

- Mitsubishi Heavy Industries, Ltd. announces an oilless lubricant for the plastic working of metals. This expander cream is neutral and water soluble, low in COD and suspended matter, and is made by impasting a polyethylene oxide with water. Contact: Publicity Center, Mitsubishi Heavy Industries, Ltd., 5-1, Marunouchi 2-chome Chiyoda-ku, Tokyo, Japan [tele: 212-3111, telex: J 22443 (HISHIJU)].

- The Marvel line of compact refrigerators now includes an explosion-proof model for use in hazardous locations. This self-defrosting 6.5-cu.-ft. capacity unit is 115-volt, 60 cycle AC electrically powered, with a 1/10 hp. hermetically-sealed compressor. All spark-producing components are sealed in protected housings, giving the unit explosion-proof properties, Marvel claims. Contact: Marvel Division of Dayton-Walther Corp., P.O. Box 997, Richmond, IN 47374.



- The Groen Model NEM is a steam jacketed kettle that has an agitator with a high speed propeller in the center bottom for fast wetting out and mixing. This propeller works in conjunction with a fluted, counter-rotating, sweeper-type scraping agitator that directs the product into the propeller, resulting in a blending action while scraping the kettle sides. Contact: Maggie Hertel, Groen Division of Dover Corp., 1900 Pratt Blvd., Elk Grove Village, IL 60007 (tele: 312-439-2400).

- Durkee Industrial Foods Group/SCM Corp. is marketing a lipid coffee whitener system called Delta White. This product is a emulsified fluid vegetable oil containing lipid components required for the manufacture of a spray-dried coffee whitener. The emulsifier component is suspended in a stable dispersion using a special fluidization process, Durkee says. Contact: Durkee Industrial Foods Group/SCM Corp., 900 Union Commerce Bldg., Cleveland, OH 44115 (tele: 216-771-5121).

- The Micro Motion Flow Meter is built to measure the flow rate of liquids, mixtures, foams or slurries, including peanut butter, oil/sand mixtures and liquids containing gases. Viscous fluids do not alter the meter's accuracy and since it measures mass, rather than volume, gas or air pokes do not affect measurements, Micro Motion says. Contact: Micro Motion, Inc., 2700 29th St., Boulder, CO 80301 (tele: 303-499-6400).

- Corning Science Products introduces a compact, hand-held pH/temperature meter, the Model 4. The instrument has digital LCD readout and can be operated by 9-volt battery or by standard household current through the use of an adapter. Contact: Corning Glass Works, Science Products Division, Corning, NY 14830 (tele: 607-974-9000).

- The CSI-260 is a high-speed information acquisition and handling system developed by Columbia Scientific Industries Corp. Built to handle the increased capabilities of the new gas chromatograph/mass spectrometer systems, the CSI-260 will obtain and measure peaks at a rate of 1,000 per second, Columbia says. Contact: Jim Cotton, Columbia Scientific Industries Corp., P.O. Box 9908, Austin, TX 78766 (tele: 800-531-5003).

- Beckman Instruments, Inc. announces four High Performance Liquid Chromatograph (HPLC) systems that offer integrated liquid chromatographs and modular components. Research applications include pharmaceutical and food analysis. The four Beckman instruments are built to perform analyses in a nondestructive mode for conservation of samples. Contact: Beckman Instruments, Inc., 2500 Harbor Boulevard, Box 3100, Fullerton, CA 92634 (tele: 714-871-4848).

- Sample preparation costs are minimized when the Tecator system is used for calcium and phosphorus deter-



mination, according to the manufacturers. The same digest which is used for nitrogen or protein determination may be sampled for Ca and P, and Tecator adds that the system can perform official Kjeldahl tests when used in combination with their distilling unit. Contact: Tecator, Inc. 2200 Central Ave., Boulder, CO 80301 (tele: 303-443-9245).

- The C-E Invalco W-Series Turbine Flowmeters can be used for direct flow rate indication, totalizing, recording, telemetering or automatic flow control of liquids, according to Invalco. The flowmeters are available in sizes 3/4-inch to 6-inch with flow capacities from 1.3 to 3,000 gallons per minute (GPM). Contact: C-E Invalco, Combustion Engineering, Inc., P.O. Box 556, Tulsa, OK 74101 (tele: 918-932-5671).



- Edmund Scientific's Flexible Fiberscope has a 7X magnifying eye piece and 4,000 image transmitting glass fibers each 18 inches long. It is recommended for engineers and quality control inspectors for use in inaccessible, illuminated areas having a 3/8-inch-plus opening. Focusing ability is claimed to be from less than 1/2 inch to infinity. Contact: Edmund Scientific Co., 7782 Edscorp Bldg., Barrington, NJ 08007 (tele: 609-547-3488).

- Hercules, Inc. is offering "Aquasorb," a sheeted, creped superabsorbent. Contact: Inquiry Section, Advertising Department, Hercules Incorporated, 910 Market St., Wilmington, DE 19899 (tele: 302-575-6837).

- Dynapar's PDC-1100/1150 Power Demand Controller features keyboard entry for easy control, microprocessor-based components and CRT total information display. The system is designed to save energy use on a priorities basis with minimal interference to normal activities within the facility. Dynapar says no engineer or computer programmer is necessary to operate the PDC-1100/1150. Contact: Dynapar, 1675 Delany Rd., Gurnee, IL 60031 (tele: 312-662-2666).

- In a 24-page brochure, the Climax Molybdenum Company describes its 18Cr-2Mo ferritic stainless steels, also known as "type 444" or UNS S44400. Included is information on standards and specifications, physical and mechanical properties, stress corrosion resistance, machinability and other applications. Order copies of "444," code No. M-352 free from Climax Molybdenum Co., Reader Service Department, P.O. Box 594, Canal Street Station, New York, NY 10013 (tele: 203-622-3590).

- The Magnetic Stirrer Driven Pump is available from Technilab Instruments, Inc., a subsidiary of Bel-Art Products. This liquid handling pump combines centrifugal and peristaltic pumps and operates by placing it on laboratory model magnetic stirrers. It is constructed of Acrylic, PVC and Teflon to facilitate handling corrosive solutions, Technilab says. Contact: Technilab Instruments, Inc.,

Subsidiary of Bel-Art Products, Pequannock, NJ 07440 (tele: 201-694-0500).

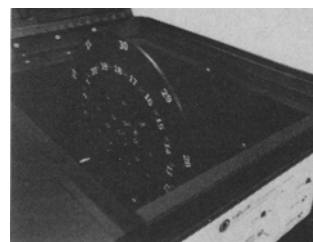
- An extensive line of capillary columns and other chromatographic accessories has been introduced by Analabs Division of Foxboro. Featured are stainless steel Wall Coated Open Tubular (WCOT) Capillary Columns that are used in the separation of complex mixtures. A price list and illustrated brochure is available by contacting Analabs, Inc., A Unit of Foxboro Analytical, 80 Republic Dr. North Haven, CT 06473 (tele: 203-288-8463).

- Gems Sensors Division of Transamerica Delaval Inc. is offering a Tank Level Indication Transmitter that interfaces directly with instrument control circuits. Called the XT Series, the unit should interface with any type of receiver display instrument including micro-processors, data loggers, recorders, meters, alarms and controllers. Contact: George Angelovich, Gems Sensors Division, Transamerica Delaval, Inc., Farmington, CT 06032 (tele: 203-677-1311).

- The Zeineh Soft Laser Scanning Densitometer is now being offered commercially by LKB Instruments, Inc. This instrument is designed with extreme resolving power (3-10 micron beam width), for matching electrofocusing and high resolution electrophoresis. Contact: LKB Instruments, Inc., 12221 Parklawn Dr., Rockville, MD 20852 (tele: 301-881-2510).

- An oil solids extractor that separates oil-in-water emulsions, oil dispersions and removes suspended solids through a washable granular separation medium is available from C-E Natco, Tulsa-based division of Combustion Engineering, Inc. The C-E Natco OSX Oil/Solids Extractor is designed to filter the solids and coalesce oil emulsions in a single vessel. Contact: Jim Young, C-E Natco, P.O. Box 1710, Tulsa, OK 74101 (tele: 918-663-9100).

- Liquid Level Electronics' 410 Series valve is a piston-balanced, three-way, two-position valve available in a 2-inch size with threaded, flanged or bevelled connections. It is recommended for use with high-pressure well test manifolds and operates with pressure differentials up to 1,500 psi, LLL reports. Contact: Liquid Level Electronics, Inc., P.O. Drawer 788, Porter, TX 77365 (tele: 713-354-2163).



- An automatic sample handler designed to complement spectrometry with unattended analyses is available from Digilab Division of Bio-Rad Laboratories. The Digilab Autosampler Accessory automatically delivers samples to Digilab FT-IR spectrometers to permit uninterrupted overnight molecular analyses for up to 30 randomly assorted samples, Digilab says. Contact: Digilab Division, Bio-Rad Laboratories, 237 Putnam Ave., Cambridge, MA 02139 (617-868-4330).