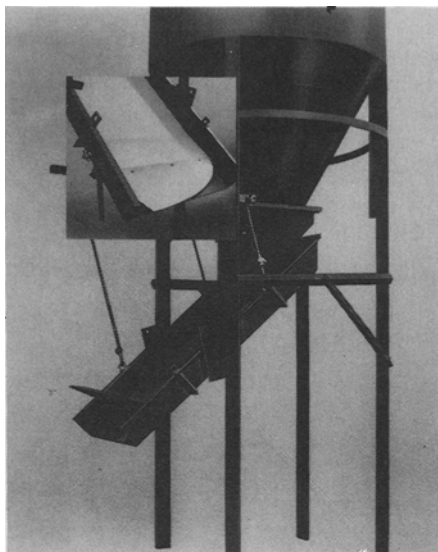


# New Products

- Circle Seal Controls now offers check valves in sizes ranging from 1/8" to 2" for cartridge mounting, dead tight sealing or other fluid check systems. The valves are available in carbon steel, aluminum, brass or stainless steel and are designed to withstand pressures of up to 10,000 psi. Contact: Circle Seal Controls, PO Box 3666, Anaheim, CA 92803.

- The Vari-Cone spreader from Vibranetics, Inc. has an adjustable dam built to spread a continuously flowing stream of solids to a desired width. The dam has no feeders, surge bins, nor fixed cones; it permits uninterrupted flow without degradation, according to the company. Contact: Vibranetics, Inc., PO Box 21219, Louisville, KY 40221.



- The Presto-Lock Flexible Pipe Coupling is available from Lescon Industries for use with gas, steam, oil and water at up to 400 psi pressure. This coupling, built for easy installment with a hammer, comes in sizes 1-1/4" to 6" diameters. Lescon says 40 degree flexibility is possible with this coupling. Contact: Lescon Industries, Box 52, Park Ridge, IL 60068.

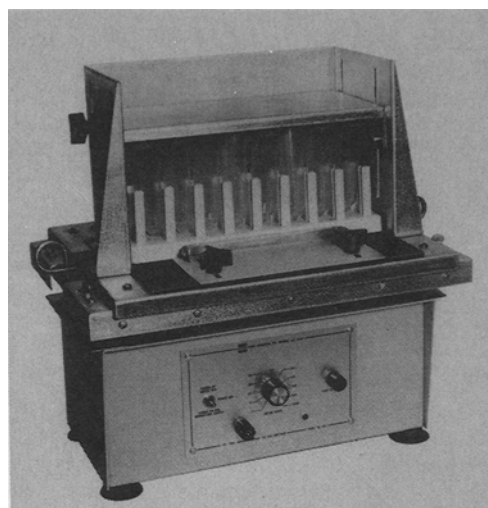
- The Fluorocarbon Company is advertising a ball valve which they say is the only one on the market constructed entirely of TFE Teflon, a chemically inert, noncontaminating material. Designed primarily as a shutoff valve, the Teflon components permit use in corrosive and ultra-pure industries. Contact: The Fluorocarbon Co., Process Systems Division, 1432 S. Allec St., Anaheim, CA 92803.

- A series of dual-piston, low pulsation precision pumps is available from Eldex Laboratories. Interchangeable liquid ends, sapphire pistons and check valves and a cam drive system are included in the series. Contact: Eldex Laboratories Inc., 3551 Haven Ave., Menlo Park, CA 94025.

- Busch, Inc. has added two larger pumps to their R-5 Series of vacuum pumps. Called the 300 and 430 CFM Models, these pumps are single-stage and air-cooled. Applications include use in the food packaging industry, Busch says. Contact: Busch, Inc., 4974 Golland Rd., Virginia Beach, VA 23462.

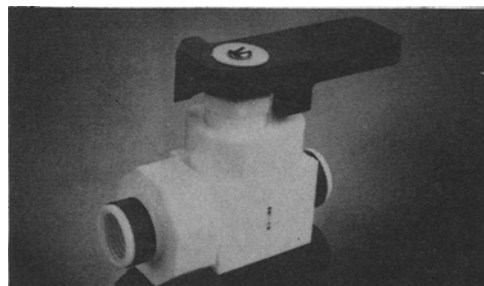
- The Tuthill Pump Company says its Model 9012 magnetically coupled gear pump has capacity of 37 gallons per hour (gph), handles fluids from -100 F to 250 F and can produce pressures to 80 psi. The pump is constructed of 316 stainless steel and features straight-through porting, adjustable by-pass and high magnetic torque capacity. Contact: Tuthill Pump Co. of California, 2935 Kerner Blvd., San Rafael, CA 94901.

- For extraction and sputum analysis of mixing where an aerosol is undesirable, Kraft Apparatus is offering the Big Vortexer. The Super Swirler attachment will accept a standard rack of capped tubes for vortexing, and any capped culture, screw cap, glass stoppered or centrifuge in a rack may be used. Contact: Kraft Apparatus Inc., 402 Sagamore Ave., Mineola, NY 11501.



- A diaphragm metering pump designed to increase pump versatility is being marketed by Bran and Lubbe. Output may be controlled while the pump is stationary or running, and a relief valve is located in the hydraulic circuit for diaphragm protection. Options include titanium or hastelloy components for liquid contact parts. Contact: Bran & Lubbe, Inc., 1241 Rand Rd., Des Plaines, IL 60016.

- Portscap U.S. is announcing the Model K Spirec heat exchanger, a liquid-to-liquid unit with heat transfer surface from 1.80 to 7.85 square feet. The axial circuit flow ranges from 5 to 50 gpm and the spiral circuit flow ranges from 1 to 12 gpm. Diameter is 4" and length varies from 6" to 21". The Model K is designed to descale and clean itself. Contact: Portscap U.S. Inc., Spirec Division, 31 Fairfield Place, West Caldwell, NJ 07006.



- Eastman Chemical Products is now offering a high vacuum molecular distillation service for the purification of heat-sensitive organic compounds. The Eastman process uses thin layer distillation which gives short heat exposure time and low distillation temperature. Contact: Molecular Distillation Marketing, Eastman Chemical Products Inc., Building 280, Kingsport, TN 37662.

- Designed for high capacity industrial and municipal wastewater treatment, a metering pump from Milton Roy handles polyelectrolytes, alum and ferric chloride. Flow rates are from 155 to 475 gph at pressures to 100 psi, with repetitive accuracy of  $\pm 1\%$  over a 10:1 turn-down ratio, according to Milton Roy. Contact: Milton Roy Company, Flow Control Division, 201 Ivyland Rd., Ivyland, PA 18974.

- Hercules' Model HP-25 pump is powered by self-contained hydraulic units, and twin cylinders provide positive displacement of products containing cubes up to 1-1/2 inch in size. Hercules says the Model HP-25 can pump viscosities from 1 to 30,000 centipoise. Contact: Hercules Inc., 2285 University Ave., St. Paul, MN 55114.

- CVC is marketing a Centrifugal Molecular Still for distilling heat-sensitive materials at reduced temperatures. The centrifugal force and vacuum create a thin film that is distilled immediately; residue is flung off the rotor and pumped out of the system. Water-jacketed cooling lines are available for unusually sensitive materials. Contact: CVC Products Inc., 525 Lee Rd., PO Box 1886, Rochester, NY 14603.

- The Series 50-G Pressure Reducing Regulator is now available from the Union Flonetics Division of Union Corporation. The Series 50-G is designed to control reduced steam pressures to pumps, engines, steam presses, cylinders, dryers, kettles and other equipment where the demand in reduced pressure is variable. Contact: Union Flonetics, Foster Valve Group, PO Drawer 4, Imperial, PA 15126.

- TIF Instruments has developed an automatic Halogen Leak Detector for testing storage tanks and chemical containers. Called the 5000, this model is reported by the company to detect leaks as small as 1/2 ounce per year. Contact: TIF Instruments Inc., 3661 NW 74th St., Miami, FL 33147.

- Beckman Instruments has introduced the Model 6100 Diluter/Dispenser for mechanizing delivery for one or two reagents combined with sample. The Model 6100 features hand or foot operation, two directional dispenser tips, all Teflon tubing, transparent view door and safety interlock. Contact: Beckman Instruments, Inc., 1550 South State College Blvd., PO Box 6100, Anaheim, CA 92806.

- Gelman Sciences' Acrodisc CR is a disposable, chemically resistant filter designed to handle small volumes of difficult solutions. The filter may be used on the tip of a syringe or with an in-line filter system. Gelman says the Acrodisc CR removes all particles larger than 0.45 microns. Contact: Gelman Science, 600 Wagner Rd., Ann Arbor, MI 48106.

- Antek Instruments Inc. is advertising the Series 460A Anaerobe Identification System as a rapid means of detecting anaerobes causing infectious disease. The series 460A uses gas chromatography to analyze the alcohols and organic acids produced by anaerobes. Contact: Antek Instruments Inc., 6005 North Freeway, Houston, TX 77076.

- The Fisher/Ainsworth Company has announced the M-3000 toploading balance which it says has  $\pm 0.1$  gram sensitivity and reproducibility, plus 3000 gram capacity. The balance features LED readout, full-range taring and microprocessor control. Contact: Fisher Scientific Co., 711 Forbes Ave., Pittsburgh, PA 15219.

Nitinan Engineering Co. Ltd. is marketing an edible oil deodorization system that uses a tubular furnace. Nitinan says a properly designed tubular furnace provides tube wall temperatures equal to the Dowtherm method and prevents overheating of the oil. Information: Nitinan Eng. Co. Ltd., 3-5 Maenotyoo 3-Tyoomo, Itabasi-ku, Tokyo, Japan.

- Hach Chemical Company is marketing the Model 18800 pH/mV meter with automatic or manual temperature compensation. The millivolt function enables specific ion and potentiometric titration analyses. Temperature readings to 0.1 C can be determined with the automatic temperature compensation version, the company says. Contact: Hack Chemical Co., PO Box 389, Loveland, CO 80537.

- Perkin-Elmer's Model 4000 atomic absorption spectrophotometer, an up-to-date version of its Model 5000 featuring automatic sequential multi-element handling capabilities. Accessories are available including microcomputer-controlled graphite furnace and autosamplers, mercury hydride generation systems and data logging devices. Contact: Perkin-Elmer, Main Ave., Norwalk, CT 06856.

- National Controls Inc., is producing a digital electronic over/under controlled portion bench scale, the Silverline Model 3250. This all-stainless, fully washdown scale is capable of 30 or more precise weighings per minute, NCI says. Guaranteed for one year. Contact: National Controls Inc., PO Box 1501, Santa Rosa, CA 95402.

- The Neotec portable Model 101 Cereal Grain Analyzer operates with a built-in microprocessor designed to eliminate recalibration and zeroing. Neotec says the unit displays protein and moisture content within 8 seconds of introducing the ground sample and may be plugged into a car cigarette lighter outlet for 12 VDC operation. Contact: Neotec Instruments Inc., 2431 Linden Lane, Silver Spring, MD 20910.

- Sargent-Welch is offering a ratio recording IR Spectrophotometer featuring transmittance accuracy and repeatability at a low cost. Microprocessor control and on-line computer interfacing are options. Contact: Sargent-Welch Scientific Co., 7300 N. Linder Ave., Skokie, IL 60076.

- The Westfalia RSA 150 DE-Sludger/Separator is built for continuous, high efficiency separation of chemical and pharmaceutical liquid mixtures containing small amounts of solids. This machine has a double centripetal pump and a rated capacity of up to 7,900 gph, depending on product characteristics. Both light and heavy phases are discharged under pressure. An explosion-proof model is available for use in hazardous areas. Contact: Centrico, Inc., Northvale, NJ 07647. ●

## New Products Literature

A Dual-Channel Atomic Absorption Spectrophotometer with Video Readout; 12-page booklet in two sections; from Instrumentation Laboratory, Jonspin Rd., Wilmington, MA 01887. . . N-Acyl Sarcosine Surfactants; contains data on chemistry, surface active and adsorptive properties, plus compatibility with cationic compounds; from Organic Chemicals Division, W.R. Grace & Co., Poisson Ave., Nashua, NH 03061. . . Heat-Prober Platinum RTD Thermometer Systems; 8-page full color catalog; from Wahl Instruments, Inc., 5750 Hannum Ave., Culver City, CA 90230. . . C<sub>9</sub>-C<sub>15</sub> Neodol Range Alcohols; 40-page, four-color catalog; from Shell Chemical Co., One Shell Plaza, Houston, TX 77002. . . Chromatography Catalog; 171 pages with index; from Analabs, Inc., A Unit of Foxboro Analytical, 80 Republic Dr., North Haven, CT 06743. ●