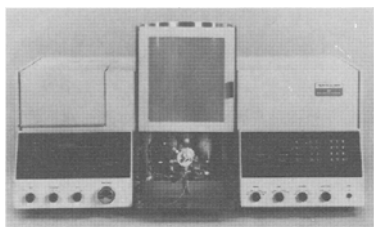
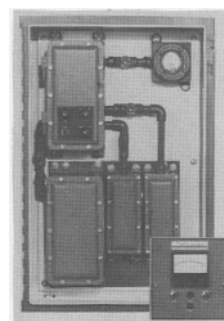


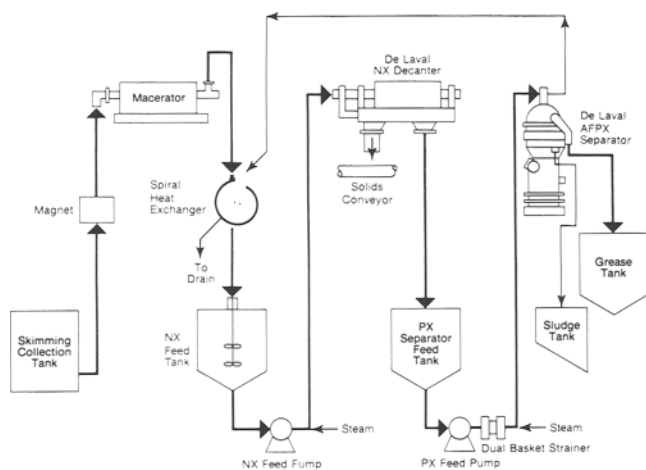
# New Products



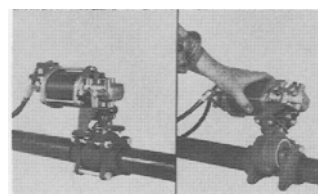
• Perkin-Elmer has introduced its Model 703 Atomic Absorption Spectrophotometer, an improved version of the Model 603. The 703 includes a computing ability to ease analytical tasks. It also has an internal microprocessor and safeguards against operator error. Information: Perkin-Elmer Corp., Instrument Division, Main Avenue, Norwalk, CT 06856.



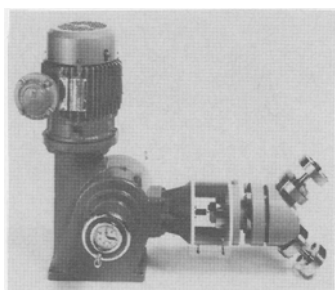
• Teledyne's Model 514 photometric analyzer is designed to measure parts per million and percentage concentrations of water in a variety of compounds in process control, quality assurance, and corrosion prevention applications. The system can replace lab analysis with real-time monitoring, the firm says. It measures radiation absorbed in a selected band of the near infrared portion of the spectrum. Details: Teledyne Analytical Instruments, 333 W. Madison Dr., San Gabriel, CA 91776.



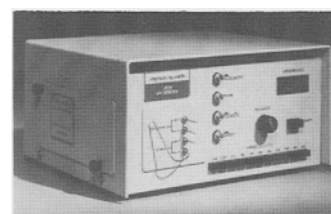
• Sullivan Systems Inc. has designed a new grease recovery system that can handle up to 12,000 pounds per hour of catch basin skimmings for meat and vegetable oil processing facilities. The system uses a De Laval NX decanter for bulk separation and an SAPX solids-ejecting separator for final purification. De Laval says the system reduces pollution problems and cuts cartage costs because skimmings do not have to be transported. Information: Sullivan Systems, Inc., PO Box 158, Tiburon, CA 94920.



• Jamesbury is marketing a swing-seal ball valve that permits the valve to swing out of line with removal of only two body bolts. The valves may be used where welded piping systems are involved, in-line maintenance is required, or where valve interiors need to be flushed periodically, the firm says. Information: Jamesbury Corp., 640 Lincoln St., Worcester, MA 01605.



• Bran & Lubbe's new D-31 metering/proportioning pump can handle pressures up to 40,000 psi and is available for continuous injection of single liquid ingredients or, in tandem, up to 10 liquids. Proportioning is accurate to one-tenth of one percent. Information: Bran & Lubbe Inc., 1241 Rand Rd., Des Plaines, IL 60016.



• Perkin-Elmer's Model LC-15 fixed-wavelength ultraviolet detector for liquid chromatography provides a high performance ultraviolet instrument for detecting liquid chromatographic fractions, the firm says. Major features include high sensitivity, sub-nanogram level detection of strong UV-absorbing compounds, and digital display of absorbance. Information: Perkin-Elmer Corp., Instrument Division, Main Avenue, Norwalk, CT 06856.

• Sethco Division of Met-Pro Corp. has introduced a high-volume filter system for flow rates up to 10,800 gph. The filter chamber permits easy replacement of filter cartridges and cam operates at temperatures up to 180 F and up to 60 psi. Information: Sethco Division, Met-Pro Corp., One Bennington Ave., Freeport, NY 11520.



- Oxford Laboratories new adjustable dispenser features a micrometer type adjustment, one-hand portable operation with spring-loaded plunger and ball valve, and no external glass parts. Information: Oxford Laboratories Inc., 1149 Chase Dr., Foster City, CA 94404.
- Baker Perkins says its new Dyna-1 solvent recovery system is a low-energy device for recapturing a wide range of industrial solvents from contaminated liquid streams. The process uses low-pressure steam to achieve azeotropic distillation of the contaminated stream. Information: Baker Perkins, 1000 Hess St., Saginaw, MI 48601.
- Nalco Chemical Co. has introduced a liquid pollution control flocculant designed for flocculation and dewatering of solids in industrial and municipal waste. The product, Nalcolyte 7129, will replace lime and metal salts as well as provide rapid liquid/solids separation, the firm says. Information: Nalco Chemical Co., 2901 Butterfield Rd., Oak Brook, IL 60521.
- Devcon Corp. has a new rubber and plastic base industrial adhesive, Chem-Fast No. 5, for bonding porous and nonporous materials. The adhesive permits either wet or contact bonding of rubber, vinyl, and other plastics to themselves or to other materials, the firm says. Information: Devcon Corp., Endicott St., Danvers, MA 01923.
- Perkin-Elmer also has introduced its LC-100 column air bath for liquid chromatography. The firm says the unit is compatible with any LC unit as a self-contained model holding up to eight 30-cm columns with diameters from 3.5 mm to 2.54 cm. Temperatures from 10 C above ambient to 99 C can be controlled with  $1\text{ C} \pm 0.5\text{ C}$ . Information: Perkin-Elmer Corp., Instrument Division, Main Avenue, Norwalk, CT 06856.
- Whatman Inc. is marketing its Partisil-5 ODS analytical HPLC columns for reverse-phase and ion pair chromatography. The plates have a guaranteed efficiency (n) of 45,000 plates per meter, 11,250 plates per (250 mm long) column. Information: Whatman Inc., 9 Bridewell Place, Clifton, NH 07014.
- Branson Sonic Power Co. has introduced its Sonifier Temperature Monitor Model TM-1, an accessory to its cell disruptor product line. The TM-1 monitors sample temperature and controls the "Sonifier" cycle. Information: Branson Sonic Power Co., Eagle Rd., Danbury, CT 06810.
- PVO International Inc. say its new series of hydrophilic, oil-in-water emulsifiers, Lipal OE-55, OE-64, and OE-71, are highly compatible with a wide range of fats and oils and are readily available from domestic safflower oil. PVO says they have potential application in fabric softeners, paints and coatings, as dyeing aids, and as emulsifiers and dispersant-milling media for pigment systems. Information: PVO International Inc., Chemical Specialties Division, 416 Division St., Boonton, NJ 07005.
- Cosa Corporation's B116 Elgastat deionizer is designed to supply purified water for research, medical, and industry applications. The unit has a battery-operated conductivity meter to monitor water quality and eliminates the need for subjective judgments. Information: Cosa Corporation, 17 Philips Parksway, Montvale, NJ 07645.
- Micro Motion Inc. says its new flowmeter measures the flow of any liquid regardless of its physical properties. The meter measures weight, rather than volume, of flowing liquids. There are no moving parts in contact with liquids, and accuracy is unaffected by partial clogging of piping. Information: Micro Motion Inc., 2700 29th St., Boulder, CO 80301.
- Extraction De Smet S.A. is now marketing a mini-extractor with a screen belt 40 cm wide. The stainless steel apparatus is for semi-industrial laboratory testing or for special products and processes 400 to 1,000 kilograms an hour. The solid/liquid extractor handles a variety of products with from 5 to more than 20 extraction stages. Information: Extraction De Smet S.A., Prins Boudewijnlaan 265, B-2520 Edegem, Belgium.
- Lab-Line Instruments' new universal shaker can be used to convert current water baths into shaker baths, the firm says. Oscillation is adjustable from 0 to 200 per minute; stroke adjustment is from  $0^\circ$  to approximately  $60^\circ$ . Information: Lab-Line Instruments, Inc., 15th & Bloomingdale Avenues, Melrose Park, IL 60160.
- Wilk's new Miran 801 microcomputer-controlled ambient air monitor can continually measure up to 10 potentially hazardous gases and vapors at 12 to 24 remove locations, the firm says. The unit provides a printout of concentrations of each component directly, in parts per million, and identifies the sampling location. Information: Foxboro Analytical, Wilks Infrared Center, PO Box 449, South Norwalk, CT 06856.
- Lab-Crest Scientific Glass Co. is marketing a lab flowmeter, Model 450-063 Rotameter, that uses the variable-area (rotameter) principle and is equipped with Teflon compression-type ring fittings that do not require O-ring seals. The meter is resistant to most corrosive liquids and gases, the firm says. Information: Lab-Crest Scientific Division, Fischer & Porter Co., 891 Jacksonville Rd., Warminster, PA 18974.
- Fischer & Porter has introduced its Series 17T200 Titrator for analysis of water and wastewater. The unit's high range is sensitive down to five parts per billion  $\text{Cl}_2$  while the normal range operates in the 1 to 10 parts per million levels. Information: Fischer & Porter Co., 891 Jacksonville Rd., Warminster, PA 18974.
- Thermo Electron Corporation says its new Thermal Energy Analyzer (TEA) detects and quantitates as little as picograms of nitrosamines and N-nitroso contaminants in air, water, food, biological systems, and chemicals. The instrument is quicker than mass spec or other traditional methods, the firm says. Information: Thermo Electron Corp., Cancer Research Division, 45 First Ave., Waltham, MA 02154.