

New Products



- General Electric announces a vertical plates Solids/Oil/Water Separator, which they say removes both solids and oil droplets as small as 5 microns to produce an effluent with oil content of 15 particles per million (ppm) or less. The separators accommodate flow capacities of up to 10,000 gpm, have no moving parts and require no electricity. Information: General Electric Company, 3198 Chestnut St., Philadelphia, PA 19101.
- Foxboro Analytical announces the pneumatic gas chromatograph (PCT) which monitors gases and volatile vapors in process streams of diverse industries including chemical plants. Signals are transmitted either for close-loop control or for sampled data control. Details: Foxboro Analytical, PO Box 449, South Norwalk, CT 06856.
- TAT Engineering Corporation has designed a console dispensing pump which delivers a predetermined amount of fluid. The pump knob adjusts to discharge fluid volume within $\pm 3\%$ for semiautomatic container filling service. The typical pump dispenses 25 ml charges into 1000 containers per hour. Details: TAT Engineering Corporation, PO Box 54, North Branford, CT 06471.
- Len Ivarson Inc. is marketing a continuous butter-making stem for high-volume production. Their patented monitoring device continuously senses moisture content and automatically activates a servo-motor to maintain moisture limits to within 0.05%. For data: Len Ivarson, Inc., PO Box 23335, Milwaukee, WI 53223.
- Capital City Products says its new salad oil crystallization inhibitor, Caprol ET Improved, provides superior performance in most salad oil applications to its original Caprol ET introduced in 1976. The new product, also a polyglycerol ester of fatty acids, has a lower iodine value (24 compared to 25), lower saponification value (185 vs. 193) and a lower melting point (95 F vs. 100 F), with characteristic odor and flavor. Details: Capital City Products Co., PO Box 569, Columbus, OH 43216.
- Titanium Ball Valve, Inc., has available the "Titan," their newest line of titanium ball valves, all of which feature: 90° operation, precision engineering for longer life, internal entry stems, wide operating pressure and temperature range, and two-way flow. Details: Titanium Ball Valve Inc., 55 E. Main St., Webster, MA 01570.
- Worcester Controls has designed a pneumatically operated force-balance servo-mechanism which requires less than 4 scfm of air at 80 psig and can be used with any 90-degree rotary actuator. Resolution is estimated at 1% of full span and deadband is 0.5%. Information: Worcester Controls, 125 Hartwell St., West Boylston, MA 01583.
- Digilab Division is announcing the Digilab Multispectrometer Data System/IR, a minicomputer system that simultaneously performs data acquisition and manipulation for up to three Digilab Fourier Transform Infrared Spectrometers. The memory is expandable to 128K 16-bit words, and is based on the Data General NOVA 3/12 minicomputer. Details: Digilab Division, 237 Putnam Ave., Cambridge, MA 02139.
- Atlas Pumps is marketing the Model 400-CB corrosion-resistant centrifugal pump constructed in 304 stainless steel. This close-coupled unit has a balanced internal mechanical seal, and may be used in a high pressure water system with a pressure of 200 psi. The pump has a 500 psi rating. Information: Atlas Pumps, 1703 East End Ave., Chicago Heights, IL 60411.
- James Swift Ltd. announces a new polarizing microscope which employs an internal drive to rotate polarizer and analyzer synchronously and continuously in either direction. The analyzer-eyepiece assembly has a 360° external calibration with optical reader for the vernier scale (0.1°). Information: Hacker Instruments, Inc., PO Box 657, Fairfield, NJ 07006.
- Lab-Line Instruments Inc. has introduced Model 6500 P.A.C.E., the microprocessor-controlled anaerobic chamber. The M-6500 automatically brings the interchange to anaerobiosis and also controls the locks on the interchange doors to assure opening only under anaerobic conditions, according to Lab-Line. Information: Lab-Line Instruments, Inc., Lab-Line Plaza, Melrose Park, IL 60160.
- Chrompack U.S.A. Inc. announces an all-glass solid sample injector for use with most gas chromatographs. The "Moving Needle Injector" permits evaporation of solvents or derivatizing agents outside the gas chromatograph, prolonging column life and giving better resolution of early peaks. Information: Chrompack U.S.A., Inc., PO Box 4131, Whittier, CA 90607.
- Techne Inc. has developed a block digester system designed for sample preparation prior to analysis of grain, food products, soil, and other materials. Details: Techne, Inc., 3700 Brunswick Pike, Princeton, NJ 08540.
- National Instruments, Inc. has introduced a "Final Filter" system available for use with any model Filamatic automatic or semiautomatic filling machine. These filters are designed to insure complete removal of migrating particulate matter in the liquid immediately prior to filling. Information: National Instrument Company, Inc., 4119-27 Fordleigh Rd., Baltimore, MD 21215.
- Sulzer announces its two-year trial Distillation Plant which has reduced their energy costs by about 80%. A turboblower is used for vapor recompression and Sulzer concludes the rectifying plant can be controlled safely with the heat pump. Contact: Sulzer, CH-8401, Winterthur, Switzerland.