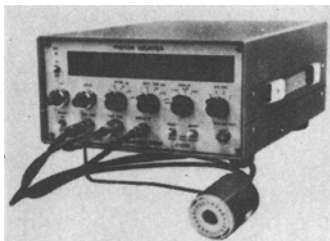


New Products



- The Hamamatsu C-1230 Photon Counting System permits detection of low light levels for astrophysics, scattering photometry, bioluminescence and chemical luminescence applications. The system has a power supply adjustable discriminator, remote preamplifier and a choice of photomultiplier tubes 1-1/8" to 2" diameter to match customer applications. Information: Hamamatsu Corp., 420 South Ave., Middlesex, NJ 08846.

- EG&G Princeton Applied Research's Model 384-1 Polarographic Analyzer System includes a 40-character alphanumeric display, floppy disk for software, curve and method storage and recall, touch panel for operating controls, static mercury drop electrode for both polarography and stripping voltammetry, and a high performance digital plotter and labeling experimental curves. Details: EG&G Princeton Applied Research, PO Box 2565, Princeton, NJ.



- Micrometric's AutoSieve is an instrument which automatically provides size distribution analyses of particles in the 500 to 38 μm range. A microcomputer controls sieving, collection, weighing, data reduction and provides a printout of results. Details: Micrometric Instrument Corp., 5680 Goshel Springs Rd., Norcross, GA 30093.

- Chromapack's new Basic Flow Unit contains all the flow controls needed for capillary work with gas chromatographs, the firm says. The device includes a pressure regulator and pressure gauge to control inlet pressure for inlet splitter, solid injector or direct injection procedures, independent of the flow control on the chromatograph. The unit also provides a pressure control at the splitting point. Information: Chromapack USA, PO Box 4131, Whittier, CA 90607.

- Varian has introduced its Cary UV-Vis spectrophotometer (Varian Cary 210) suited for rapid routine analyses as

well as research, the firm says. The instrument uses Cary's unique double-pass monochromator, creating an absorbance range from -0.6000 to 4.0000. Information: Varian Associates, Box D-070, 611 Hansen Way, Palo Alto, CA 94303.

- Drexelbrook's Z-tron level switch, an all-electronic device with no moving parts, is designed for use in slurries, granulars and liquids. The circuitry ignores heavy coatings or materials' buildup on the sensing element, eliminating the need to recalibrate. Details: Bulletin 502-LA, Drexelbrook Engineering Co., 205 Keith Valley Rd., Horsham, PA 19044.



- Corning's Model 135 pH/ion meter uses microcomputer technology to permit direct readout of concentration at faster and more precise responses than previously available. The unit's memory permits shifting from one mode to another of up to six operating modes without recalibrating between measurements. Knobs and pushbuttons of previous models are replaced by a sealed, flat keypad. Information: Corning Science Products, Corning Glass Works, Corning, NY 14830.

- Zeiss is offering two vertical illuminators that attach to Zeiss instruments to upgrade them for incident-light fluorescence work in clinical laboratories as well as for biomedical research. Details on the epi-fluorescence condenser IV F1 and epi-fluorescence condenser III RS are available from: Carl Zeiss Inc., 444 Fifth Ave., New York, NY 10018.

- Columbia Scientific Industries Corp. has introduced its CSI 1600 NO/NO₂/NO_x Analyzer to detect concentrations of those substances in the 2 ppb to 5 ppm range. The instrument also has extremely low zero drift and span drift specifications, the firm says. Information: Columbia Scientific Industries Corp., PO Box 9908, Austin, TX 78766.

- Watlow Electric Manufacturing Co. provides Watlow Strip Heaters to provide reliable performance up to 1200 F sheath temperature and are UL-recognized for applications up to 900 F. Information: Watlow Electric Mfg. Co., 12001 Lackland Rd., St. Louis, MO 63141.

- Solids Flow Corp. says its new Siletta patented live-bottom triple function feeder is specifically designed to feed cohesive, floodable and other hard-to-handle powdery bulk materials at consistent controlled feed rates. The unit is available in a six-inch size, for use in laboratory or other small volume systems. Information: Solids Flow Control Corp., 4 Fairfield Crescent, West Caldwell, NJ 07006.

Cutting operating costs is what IDREX filtration is all about

Cuts hydrogenation costs up to 50% . . . bleaching costs up to 35% over conventional operating methods.

- Lower Installed Cost
- Lower Operating Cost
- Lower Maintenance Cost

The only way to cut production costs while maintaining product quality is with a better filter.

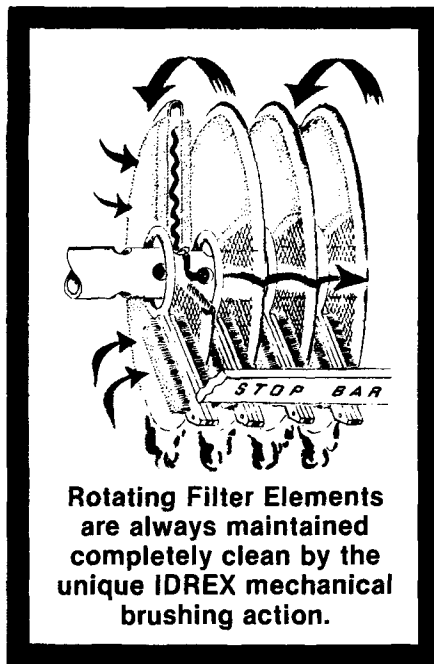
Idrex has designed and proven the only filtration system that can deliver!

Lower Installed Cost

The compact Idrex filtration systems are factory pre-piped, pre-wired and tested prior to shipment, making Idrex installation costs significantly lower than other comparative filter installations.

Lower Operating Cost

Idrex filtration systems are completely automated; all filtration steps are programmed to automatically advance through the complete filter cycle without opening



the filter, resulting in substantial labor savings and trouble-free operation.

The key to automation and performance is the unique Idrex mechanical brushing action, which continuously maintains the slowly rotating filter leaves completely clean (2-5 rpm, only during cleaning cycle), without opening the filter, resulting in continuous high production at constant desired clarity.

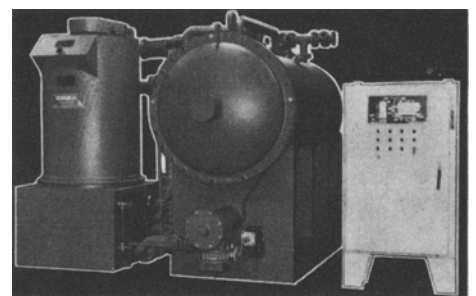
Reduced product loss and automated dry cake

discharge, without opening the filter, result in additional savings.

Lower Maintenance Cost

Because of the unique Idrex brushing action, blinding or progressive clogging of the filter leaves is completely prevented, eliminating the costly and messy chemical cleaning of the filter leaves.

Compression plates installed at each end of the filter shaft completely eliminate damage or warpage of the filter leaves.



All of the above benefits of the Idrex filtration system result in a clean environment, trouble-free operation and substantial savings which cannot be achieved with any other filter.

For Details, Contact:

IDREX INC.

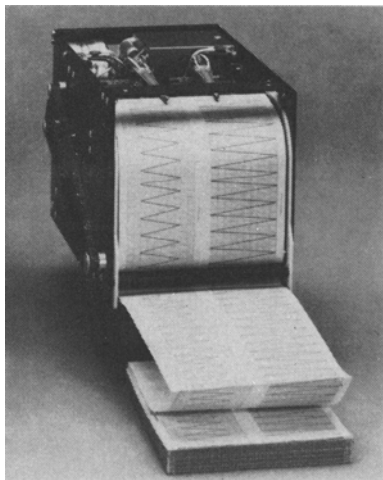
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- Astro-Med's new supercorder series incorporates Z-fold chart packs and inkless point writing with a fine-point heated stylus. The OEM recorders are available with from one through eight channels. Information: Astro-Med, Atlan-Tol Industrial Park, West Warrick, RI 02893.

- Sihi Pumps Inc. is offering a new energy efficient ZTN Horizontal, single-stage centrifugal pump specifically designed to handle high temperature mineral or synthetic oils and other media at up to 640 F (320 C) without the need for external pump cooling. Capacities to 1,200 GPM are offered, with discharge heads to 300 feet. Information: Sihi Pumps Inc., 303 Industrial Blvd., Grand Island, NY 14072.

- Tuthill's new Model 9174 magnetically coupled gear pump is driven by a special variable speed explosion-proof air motor. The pump, of stainless steel construction, has a motor speed range of 500 to 6,000 rpm, can handle fluids from -100 F to 300 F at flows to 75 GPH and at differential pressures to 70 PSI. Information: Tuthill Pump Co. of California, 2935 Kerner Blvd., San Rafael, CA 94901.

- Phillips Chemical Co. is marketing limited quantities of cyclohexulbenzene, also known as phenylcyclohexane. Potentially useful as a high boiling solvent, penetrating agent and chemical intermediate, the chemical is described in a new data sheet from Phillips. Copies: Phillips Chemical Co., Planning and Development 16 D 1 PB, Bartlesville, OK 74004.

- Cyclo Chemicals Corp. is offering three new dimethylamine compounds for preparing cationic emulsions. The new compounds are Cyclomide Code (cocamidopropyl dimethylamine), Cyclomide Iodi (isosteamidopropyl dimethylamine) and Cyclomide Sodi (stearamidopropyl dimethylamine). For evaluation samples and information: Cyclo Chemical Corp., 7500 N.W. 66th St., Miami, FL 33166.

- Nalco Chemical Co. is offering Nalclear 7122, a new emulsion flocculant for use in industrial wastewater and municipal sewage treatment. Nalco says the material can increase clarifier and thickener efficiency, allow reduction or elimination of inorganic chemicals, improve sludge dewatering, provide rapid separation, increasing cake dryness, and produce dense, compact, easily handled sludge. Information: Nalco Chemical Co., 2901 Butterfield Rd. Oak Brook, IL 60521.

- Supelco has developed a new low-bleed silicone rubber septum, Thermogreen Lb-1, designed to operate at inlet settings of 200 C to 300 C with less bleed than many other popular septa. Details: Bulletin 780, GC Septa, Supelco Inc., Supelco Park, Bellefonte, PA 16823.

- Curtin Matheson Scientific Inc., is offering RBS-35

concentrate as a cleansing material, replacing dichromate-sulfuric mixtures. The firm says the substance is non-corrosive and has no harmful effects on apparatus, clothing or people. Information: Curtin Matheson Scientific Inc., 4220 Jefferson Ave., PO Box 1546, Houston, TX 77001.

- Varian's AA-275 and AA-475 atomic absorption spectrophotometers use advanced microcomputer control for routine monitoring of water supplies for toxic metals as well as the analysis of industrial wastes for traces of precious metals. An 8-bit 10 K microcomputer handles not only the result integrations, but also all measurement, monitoring and control functions associated with analysis. Information: Varian Associates, 611 Hansen Way, Palo Alto, CA 94303.

Help!

The Society is planning to display photographs of all presidents in the Champaign headquarters, but presently lacks photographs of two past presidents.

The first is A.W. Putland who served as president in 1928. Mr. Putland was employed during his career with Portsmouth (VA.) Cotton Oil Refining Corp., Armour and Company, Lookout Cotton Refining Co., and the William Schulerberg and R.J. Kurdle Co.

The second is H.B. Battle who served as president in 1923. Mr. Battle owned an analytical laboratory bearing his name in Montgomery, Alabama.

JAOCs would appreciate any information that might help us obtain a photograph of either past president. Please contact George Willhite, JAOCs, 508 S. Sixth St., Champaign, IL 61820.

Canada primed for metric conversion

Metric Commission Canada (MCC), the agency directing that nation's conversion to the metric system, has approved a recommendation that the Canadian edible oil industry convert metric units by Jan. 1, 1980.

The plans are used by private organizations as guidelines in formulating their own conversion schedules.

The edible oil plan recommends a four-month industry phase-in to avoid consumer confusion and permit depletion of inventories using non-metric measures. Each company is urged to appoint a corporate level executive to coordinate metric conversion.

Implementation for industrial size products began in 1978, a report in Metric Monitor, an MCC publication said, with metric sizing expected to be introduced throughout the edible oil industry by the end of 1979.

Canola vs. rapeseed

What's in a name?

The Wall Street Journal reported a few weeks ago that the Rapeseed Association of Canada is seeking to popularize the name "canola" to replace "rapeseed." It's difficult, the processors' organization contends, to market a product known colloquially as "rape." The association has registered canola as the name for the low-erucic acid varieties of rapeseed developed in recent years. Now it's seeking wider use of the name "canola."

The Wall Street Journal said that in Tisdale, Saskatchewan, which bills itself as the "land of rape and honey," Mayor Maurice Taylor says there isn't much enthusiasm for the new name. "Rapeseed" is derived from the Latin word "rapum," or turnip, the newspaper noted, while the crime of "rape" derives from a separate Latin word, "rapere" (to seize).