

# New Products

## COMPRESSED AIR FILTER

Hankison's Centriflex compressed air separator/filter features two-stage action for separation and filtration in one unit. One hundred percent of all particles 3 microns and larger in size, 99 percent of all water droplets and 40 percent of oil aerosols are removed in this system, the company says. Contact: Hankison Corp., Canonsburg, PA 15317.

## TEXTURE ANALYZER

Voland has developed the Voland-Stevens-LRFA Texture Analyzer for determining gel strength, breaking point, hardness and consistency in food and nonfood substances. Penetration speeds from 0.2 mm/sec to 2.0 mm/sec can be pre-selected as well as penetration distances from 1 mm to 29 mm in 1 mm increments. Contact: Voland Corp., 27 Centre Ave., New Rochelle, NY 10802.

## INJECTION PUMP

Houston Atlas' Micro-jector Syringe Model 1002 features linear motion injection/retraction with digital timing at rates ranging from 1-pulse each 27 seconds to 5 pulses/per second. This injection pump operates as a stand-alone or can be plugged into the collector outputs of a computer. Syringe sizes up to 50 ml may be used. Contact: Houston Atlas Inc., 9441 Baythorne Dr., Houston, TX 77041.

## CONDUCTIVITY METER AND THERMOMETER

ECO Inc. is marketing its Model 123 Conductivity Meter and Thermometer designed to measure conductivity in any laboratory. Sequential reading of temperature, specific conductivity at the solution temperature, and conductivity, automatically compensated to one of three reference temperatures, is implemented by a function panel

control. Contact: ECO Inc., 56 Rogers St., Cambridge, MA 01242.

## CENTRIFUGAL PUMP

LaBour introduces the Series 610 single stage centrifugal pump available in 34 sizes and capacities up to 3500 gallons per minute and 500 ft. total dynamic head. The pump is made of corrosion-resistant alloys and special service models are built to specification. Operating temperature range is from -90 F to +750 F, LaBour reports. Contact: LaBour Pump Co., PB Box 1187, Elkhart, IN 46515.

## HEAT FLOW METER

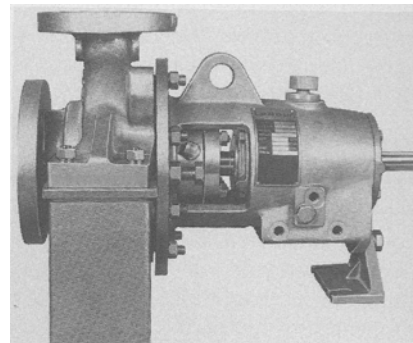
The Bailey Heat Flow Meter measures and totals one or more heat flows without a computer, according to the Bailey Controls Company. This meter may be used with either electronic or pneumatic systems having a 4-20 mA dc output. Output from the meter is 4-20 mA dc, which is convertible to pulses or networks to provide automatic accounting of Btu usage, Bailey says. Contact: Bailey Controls Co., Wickliffe, OH 44092.

## ANALOG pH METER

Corning Science Products is advertising 0.1 accuracy and portability for the Model 620 analog pH meter. A three-in-one scale on the meter reads concentration for ion selective ( $I^+$  or  $I^-$ ) electrodes, pH and millivolts. Monovalent/divalent switch and polarity function permit adjustment of ion characteristics. Contact: Corning Science Products, Corning Glass Works, Corning, NY 14830.

## SOLVENT CONDITIONING PRECOLUMN

Whatman Chemical Separation Division announces the Solvecon Solvent Conditioning Precolumn kit designed to extend the column life in HPLC



Series 610 pump

analyses. The solvent-conditioning HPLC precolumn is installed between the pump and injector of the system; ionic or high pH mobile phases flowing through the precolumn dissolve the Solvecon silica gel and become saturated, eliminating further dissolving of the analytical column, Whatman says. Contact: Whatman Inc., 9 Bridewell Place, Clifton, NJ 07014.

## DENSITOMETER AND SPOTTER

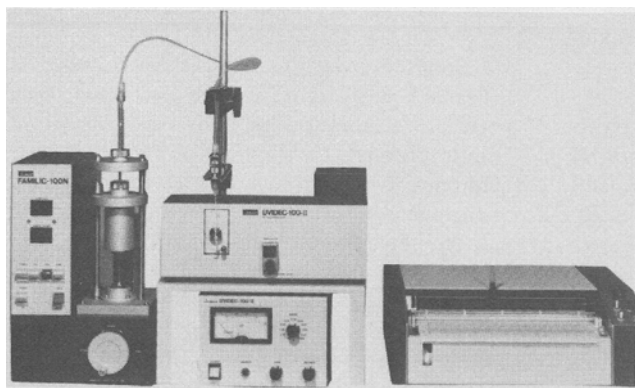
A densitometer and spotter for quantitative TLC analysis have been developed by Kontes. The densitometer uses a fiber optic system to create signal outputs compatible with existing hardware and a built-in UV light source accommodates fluorescence quenching techniques. Kontes says the automatic air manifold TLC Spotter precisely controls spot size with repeatability of  $\pm 2\%$ . Contact: Kontes, Spruce St., Vineland, NJ 08360.

## INFORMATION SYSTEM FOR GC-MS

Columbia Scientific is marketing the CSI-260, a high speed information acquisition and handling system for gas chromatograph-mass spectrometer combinations. This system is reported by CSI to measure peaks at a rate of 1000 per second and discern peak height values on peaks as narrow as 1000 microseconds. Input dynamic range is 10,000 to 1. Output to a variety of devices is possible: magnetic recorders, printers, paper tape punches and others. Contact: Jim Cotton, Columbia Scientific Industries Corp., PO Box 9908, Austin, TX 78766.

## HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Jasco Inc. says its Familic-100N HPLC System offers spectroscopic information from 195 to 350 nanometers in



Familic 100N system

the UV range, 200 to 600 nm in a fluorescence mode, 300 to 650 nm emission in the visible and near UV, and others including infrared spectra. The injection system is designed to permit analysis of samples from 0.1 microliter to 29 microliters per minute. Contact: Jasco Inc., 218 Bay St., Easton, MD 21601.

#### SOLVENT RECOVERY SYSTEM

Pfaunder announces a solvent recovery system that reclaims wash solvents through evaporation and facilitates waste handling by forming a near-solid sludge. Its throughput capacity is estimated at 5 to 3000 gallons per hour of recovered solvent, and operation is continuous or by batch. The system is based on the Pfaunder Wiped Film Evaporator, an ultra-thin film evaporator. Contact: Gerald V. DeLaney, Pfaunder Co., Div. of Sybron Corp., Rochester, NY 14603.

#### FLOW METER

The Gilflo Flowmeter is an energy management system now available from Gervase Instruments Ltd. This device uses linear differential-pressure flow meters for accurate and continuous measurement of steam, hot water and other piped energy within the industrial complex, Gervase says. Signal processing is handled by microprocessor using a memory, video display unit call-up, paper printout and mainframe interface in large systems with many control points. Contact: Gervase Instruments Ltd., Britannia Works, Cranleigh, Surrey GU6 8ND, England.

#### STRIP CHART RECORDER

Beckman Instrument's Model 8710A/20A Single and Dual Channel Strip Chart Recorders feature a "fast-chart take-up" motor for presenting past records. The recorders use color-coded bands instead of pointers. Applications include pH recording and dissolved or gaseous oxygen recording. Contact: Beckman Instruments, Inc., Process Controls Department, 2500 Harbor Blvd., Fullerton, CA 92634.

#### SAMPLING FILTERS

A line of sampling filters is now available for the Staplex Model TFIA High Volume Air Sampler. The filters, Type TFA41, TFA2133 and TFA"S", are designed to sample airborne particles of all size ranges, including alpha and beta particles, dusts and particulate matter down to .01 micron at flow rates from 0 to 70 cubic feet per minute. Contact: The Staplex Co., Air Sampler Div., 777 Fifth Ave., Brooklyn, NY 11232.

#### RESEARCH GRADE GASES

Scientific Gas Products is marketing

research grade gases for use in critical experiments requiring minimum contamination, the company says. Containers are prepared with high temperature evacuation and are then purged with a purifying gas. Contact: Mat Vanzo, Scientific Gas Products, Inc., 2330 Hamilton Blvd., South Plainfield, NJ 07080.

#### WATER LEVEL INDICATOR

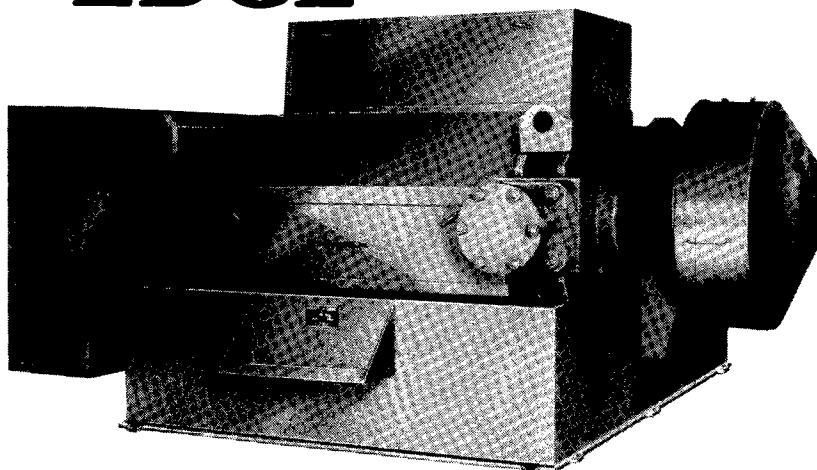
The Levelmax/System II is a water level indicator for boiler installations developed by Clark-Reliance, Inc. The electric reading gauge operates multiple level indicators at any distance and controls alarms and other electrical switches, according to the

manufacturers. ASME Boiler Code information is included. Contact: Clark Reliance Corp., Technical Services Department, 15901 Industrial Parkway, Cleveland, OH 44135.

#### NEW COLLOID

TIC Gums Inc. is advertising 1% TIC Colloid 795 as an additive to dry premix formulations such as cheesecake to achieve a smoother texture. TIC reports the colloid does not alter the flavor components in the dry mix and may enable the producer to extend the flavor using fewer ingredients. Contact: Steve Andon, TIC Gums Inc., 144 E. 44th St., New York, NY 10017.

## THE ROSKAMP 'EDGE'



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