

# New Products

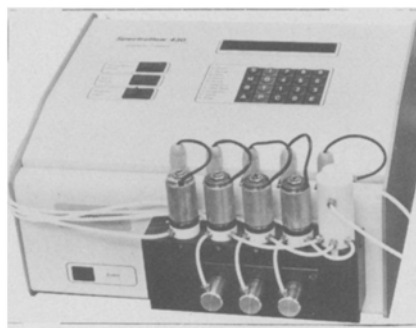
## DIP AND FLOW COOLERS

Techne Inc.'s new line of dip and flow coolers, designated RU and FC series, is designed to provide constant temperatures in liquid baths around or below ambient temperatures. In model RU dip coolers, the refrigerant is circulated through a compact multicoiled cooling head which fits into the corner of the water bath. Dip coolers include model RU-200; with cooling capacity of 200 watts at 20 C, and model RU-500, with cooling capacity of 400 watts at 20 C. Model FC flow coolers have internal heat exchangers and may be used with either closed or open systems to allow control of liquid bath temperatures down to -35 C. Contact: Techne Inc., 3700 Brunswick Pike, Princeton, NJ 08540.

## METERING PUMP

LDC/Milton Roy has introduced a variable speed metering pump, the miniPump VS, designed for flexible performance. A single modular chassis houses the metering pump. The unit features an electronically controlled flow rate covering the range of 0.5-5.0

ml/min. It is pressure rated to 3000 psi. Contact: LDC/Milton Roy, PO Box 10235, Riviera Beach, FL 33404.



## GRADIENT PROGRAMMER

The Spectroflow 430 HPLC gradient programmer from Kratos Analytical Instruments is available in two models, one for binary gradients and another for ternary gradients. The instrument is designed to be compatible with virtually any HPLC pump and can be used to upgrade existing LC systems. Contact: Kratos Analytical Instruments, 170 Williams Dr., Ramsey, NJ 07446.

## TABLETOP CENTRIFUGES

Jouan Inc. has introduced its C3000 ventilated and CR3000 refrigerated tabletop centrifuges. These units combine high speed operation up to 6000 RPM and RCF of 5840 x g with a 1.8 liter capacity. They are available with horizontal or fixed angle rotors and a range of inserts allowing centrifugation of tubes and bottles from 250 microliter to 450 milliliter. A carrier is available for centrifugation of microliter plates. Contact: Jouan Inc., PO Box 2716, Winchester, VA 22601.

## KJELDAHL SYSTEM

Brinkmann Instruments has introduced its Buchi Kjeldahl 321 distillation and Buchi 430 digestion units for total Kjeldahl nitrogen, ammonia nitrogen and protein analysis. The compact distillation unit is designed to perform ammonia and other types of steam distillation procedures. The digestion unit, meanwhile, is designed to perform eight digestions within one hour. Contact: Brinkmann Instruments Co., Cantiague Road, Westbury, NY 11590.

## LABORATORY STIRRERS

Fisher Scientific's Stedfast laboratory stirrers feature a DC motor and electronic control circuit designed to maintain constant speed from no load to

maximum torque. Models provide a range of 30 RPM to 2400 RPM, with automatic shutdown in case of overload. The system is modular and can adapt to two vessels at one time and vacuum stirring. Contact: Fisher Scientific, 711 Forbes Ave., Pittsburgh, PA 15219.

## HPLC COLUMNS

Advanced Separation Technologies offers a new line of analytical and preparative HPLC columns, Astec 300 series, for the separation of peptides, proteins and other biopolymers. Astec 300 columns are available for analytical separations in 50, 100 and 250 mm lengths and for preparative separations in 100 mm length. The columns are packed with a wide pore silica gel specially developed for the chromatography of proteins. Contact: Advanced Separation Technologies, Inc., PO Box 297, Whippany, NJ 07981.

## TEMPERATURE CALIBRATOR

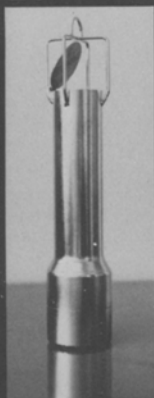
Jofra offers the EVJ200-S portable field temperature calibrator with solid state controls and a solid state thermal well. The unit, used for organic and inorganic processes, calibrates from ambient to 392 F (200 C) and has both Fahrenheit and Centigrade scales. It includes an external probe to allow use as a digital thermometer. Contact: Jofra Inc., 67-55 Woodhaven Blvd., Rego Park, NY 11374.



## TITRATOR

Mettler Instrumente offers a microprocessor-controlled precision instrument, the DL18 Karl Fischer titrator, for water/moisture determinations. The titrator can handle water/moisture determination from trace analysis to high water content. Measuring results are displayed in per cent or ppm water. Contact: Ruedi Schulthess, Mettler Instrumente AG, CH-8606 Greifensee, Switzerland.

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