

Publications

Recent publications

The 1987-88 edition of the **NCPA (National Cottonseed Products Association) Trading Rules** is available from NCPA, PO Box 12023, Memphis, Tennessee 38112. Copies are \$5 each for NCPA members, \$10 for nonmembers.

Food Processor's Guide, a directory of the 523 members of the Food Processing Machinery and Supplies Association (FPM&SA) is available as is FPM&SA's **User's Guide**, a listing of U.S. member manufacturers, suppliers and service companies which market internationally. Contact FPM&SA, 200 Danger-

field Rd., Alexandria, VA 22314, USA.

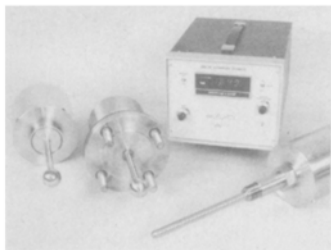
The U.S. Foreign Agricultural Service has released a June supplement issue of **World Oilseed Situation and Market Highlights** containing reference tables on the major producers and consumers of rapeseed and rapeseed products. The 129-page supplement is available from the Foreign Agricultural Service, U.S. Department of Agriculture, Room 4644-S, Washington, D.C. 20250-1000, USA.

The Use of Soybean Oil with Pesticides in Western Europe, a report commissioned by the American Soybean Association

(ASA), investigates the potential use of soybean and other vegetable oils with pesticides in Western Europe. Free copies are available from ASA, International Rogier Centre, Box 521, 1210 Brussels, Belgium.

Fish and Fish Products in the United Kingdom: Food Market Updates No. 22, compiled by Heather M. Cole, is available from Leatherhead Food R.A. Publications Department, Randalls Road, Leatherhead, Surrey, England. Cost is £16 to members of the British Food Manufacturing Industries Research Association, £48 to non-members.

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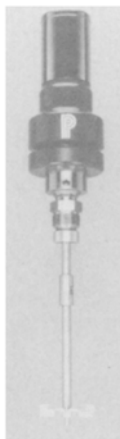
VISCOLINER

Nametre's Viscoliner is designed to measure viscosity directly inline for process control over a range of 0.1-2 million centipoise. It operates at high temperatures and pressures, and provides display, record and process control continuously in real time. Features include autoranging, temperature measurement thermocouple, safety barriers for hazardous locations and sanitary fittings for food manufacture. Contact: Nametre Co., 101 Forrest St., Metuchen, NJ 08840.

NITROGEN GC DETECTOR

The Antek nitrogen-specific gas chromatograph detector is designed to detect and measure nitrogenous compounds in a variety of samples without problems of peak overlap or masking. The detector measures only nitrogen, without the sulfur, phosphorus or halogens which often interfere in peak analysis. Contact:

Antek Instruments Inc., 6005 N. Freeway, Houston, TX 77076.



MAGNETIC MIXER

The PPI Division of Duriron has available a rare earth magnetic mixer drive for applications which must be contamination-free and leak-tight. It works in continuous and batch-stirred reactors used in catalyst screening, fermentation, hydrogenation, polymerization and emulsification. The magnetic structure is made from a neodymium-iron-boron alloy. Contact: PPI Division, The Duriron Co. Inc., 900 Louis Dr., Warminster, PA 18974.

PH PRINTER/RECORDER

Kane-May's KM1205 pH printer/recorder measures pH, temperature and millivolts. Features include automatic temperature compensation and buffering, more than 40 standard thermocouple probes, choice of pre-selected intervals and a broken probe or sensor indicator. Contact: Kane-May Measuring Instruments, 265 Hathaway Dr., Stratford, CT 06497.

CENTRIFUGAL STILL

CVC Products Inc. has available centrifugal molecular distillation stills for separating omega-3 fatty acids from fish oils. The company says the equipment can achieve low pressure conditions (10^{-3} Torr range) which allows distillation to proceed at lower temperatures. Throughputs range from 0-2,000 pounds per hour. Contact: CVC Products Inc., 525 Lee Rd., PO Box 1886, Rochester, NY 14603.

CHLORINE SENSOR

ProMinent's chlorine residual probe measures free residual hypochlorous acid. With a modified electronic circuit, the probe also can measure chlorine dioxide residuals. Because the membrane-covered sensor

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separates buffer electrolytes from the sample, the electrodes are protected from fouling. The probe's temperature range is 5 to 40 C and responds to chlorine and chlorine dioxide concentrations from 0 to 15 ppm. Contact: ProMinent Fluid Controls Inc., 1005 Parkway View Dr., Pittsburgh, PA 15205.

SILICA GELS

The IMPAQ RG silicas from PQ Corp. are designed to provide narrow distributions of pore and particle dimensions for HPLC. The silicas are fully porous amorphous gels. The RG10 series have medium-sized pores (nominally 100 angstroms) that accommodate molecules as large as 65,000 mol. wt.; the RG20 series have wider pores (nominally 200 angstroms) to accommodate molecules with a molecular weight of 150,000. Contact: PQ Corp., PO Box 840, Valley Forge, PA 19482.

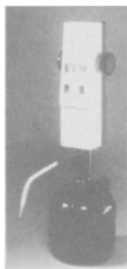
FOOD GRADE PLASTIC

The Fluorocarbon Co. has developed a plastic composite containing components suitable for food contact service and medical/biological uses. The new material, called Fluorowhite, reportedly has a high abrasion resistance, good cryogenic properties, a low friction coefficient and a slow burning rate. Contact: Mechanical Seal Division, Fluorocarbon Co., 10871 Kyle St., Box 520, Los Alamitos, CA 90720.

CALORIMETER

Mettler Instruments has combined the capabilities of a batch reactor and a calorimeter in its RC1 calorimeter/batch reactor. The computer-controlled instrument allows quantitative determinations of the thermal effects of chemical reactions and physical transitions in a

2-liter vessel. The calorimeter is designed to reproduce process conditions on a small scale. Contact: Analytical Instruments, Mettler Instrument Corp., Box 71, Hightstown, NJ 08520.

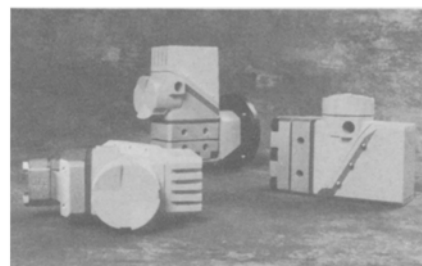


BURETTE

The Digitrate by Jencons Scientific Ltd. is a portable, bottle-mounted digital burette to measure and dispense up to 99.99 ml of fluid. It has an internal glass syringe to ensure stability and safety, hand-wheel control for precise volume dispensation, and an automatic torque-limiting clutch to prevent overloading. The unit is available in 25 or 50 ml capacities. Contact: American Scientific Products, 1430 Waukegan Rd., McGaw Park, IL 60085, or Jencons Scientific Ltd., Cherrycourt Way Industrial Estate, Stanbridge Road, Leighton Buzzard, Bedfordshire LU BUA England.

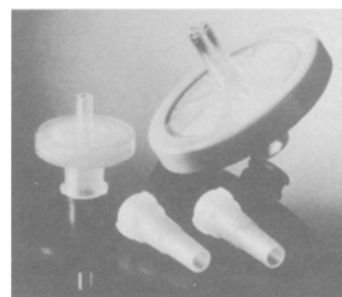
ULTRASONIC CLEANERS

Heat Systems-Ultrasonics Inc. has available two models of benchtop ultrasonic cleaners designed to degas chromatography solvents, clean proteins from glassware and remove dirt and oil from mechanical equipment. The Astrason Model 21 has an 8-gallon tank; Model 24 has a 10-gallon tank. Both models are available with or without timers and heaters and a full range of accessories. Contact: Heat Systems-Ultrasonics Inc., 1938 New Highway, Farmingdale, NY 11735.



TRANSMITTERS

The Foxboro Intelligent Automation Series now includes intelligent transmitters for use in industrial process control. The transmitters allow users to integrate calibration data, settings and configuration information from remote work stations. They are available in models designed to monitor absolute pressure, gauge pressure, differential pressure and flanged level measurements. Contact: The Foxboro Co., Bristol Park, 52-1B, Foxboro, MA 02035.



FILTERS

Hewlett-Packard Co. now offers disposable filters for the filtration of chromatography samples. There are two varieties, one for use with aqueous-based solvents, the other for use with organics. Both types come in 0.2 and 0.45 micron sizes. To prevent sample contamination from filtration, no glue or binding is used in the filter housings. Contact: Hewlett-Packard Co., 1820 Embarcadero Rd., Palo Alto, CA 94303.