



What's New

SOLIDS AND FLUIDS HANDLING

Multishaft Mixer Extends Operating Range



The VersaMix multishaft mixer processes viscous formulations using three independently driven agitators working in tandem. The high-speed disperser quickly draws powders into the liquid batch through a powerful vortex. The rotor/stator performs numerous tasks depending on the product being mixed, *e.g.*, breaking down agglomerates, accelerating homogenization, or preparing fine droplets in an emulsion. The low-speed anchor promotes bulk flow and uniform batch temperature while it scrapes the vessel sidewalls and bottom. Optional features include vacuum capability, clean-in-place spray nozzles, temperature probes, interchangeable jacketed mixing vessels, powder induction capability (available on special-design rotor/stators), sight and charge ports, control panels, and PLC systems. Capacities range from 1 to 4,000 gal.

Charles Ross & Son Co.

www.mixers.com

Bag Discharger is Designed for Hygienic Applications

The Model T11 Bulk Bag Super Discharger (BBD) is designed for critical applications in industries where

hygiene and rapid dismantling of components without tools are essential to avoid microbiological growth or cross-contamination between batches. The discharger is manufactured entirely of stainless steel with a bead-blast or mirror-polish finish. It can be completely stripped down in minutes by two employees. Since it has no dead pockets, the BBD is easy to pressure wash, steam clean, manually clean, and/or sterilize. All electrical and pneumatic connections are interlocked to ensure IP 67 or better protection against dust ingress (depending on the application and cleaning regime). Three types of optional bag massagers (side, base, and corner) are available to promote material flow from compact bags or bags that contain difficult materials.

Spiroflow Systems, Inc.

www.spiroflowsystems.com

LABORATORY EQUIPMENT

Chromatography Column Delivers Consistent Separations



When developing a new method, one of the chromatographer's key goals is to achieve a consistent, reproducible separation, and selecting a highly reproducible high-performance liquid chromatography (HPLC) column is essential to attaining this goal. The Synchronis HPLC column has been engineered to deliver consistent, predictable separations, from one run to the next and from one column to another. It features high-purity, high-surface-area silica, dense bonding,

and double endcapping. Enhanced, automated column-packing methods used in manufacturing the Synchronis product line ensure consistency, and every column is individually tested to verify that it meets the required specifications. Synchronis columns are available with 5- μ m particles for conventional HPLC applications, and with 1.7- μ m particles for high-speed, high-efficiency ultra-HPLC separations.

Thermo Fisher Scientific, Inc.

www.thermofisher.com

MATERIALS

Insulation Products Improve Energy Efficiency of Molding Operations



Thermalate and Heatmeiser mold and platen insulation products are made from sheets of specially formulated fiberglass-reinforced thermoset polyester composites. Designed to operate at temperatures up to 550°F, the insulation has high compressive strength that prevents mold alignment problems at extremely high molding pressures. It is tough and more durable than mica or asbestos, will not easily crack or break during mold setup or teardown, and requires no maintenance. In addition, the insulation does not absorb oils and fluids that can cause deterioration or changes in thermal conductivity. The sheets are stocked in standard sizes of 36 in. by 72 in. and 48 in. by 96 in. in thicknesses of 0.25 in. to 2 in.

Haysite Reinforced Plastics

www.haysite.com