



New Products

MATERIALS AND CHEMICALS

Inhibitor Prevents and Treats Scale



SCALETREAT FeS iron sulfide scale inhibitor represents a paradigm shift in the management of iron sulfide scale. The typical method for dealing with iron sulfide scale is to allow it to form, and then apply a chelating agent or dissolver to remove it. Rather than allowing scale to form, SCALETREAT FeS inhibits scale formation and the damage it can cause, including well failures and loss of production. A low-dose, continuous injection also prevents sulfide scales of zinc and lead. The inhibitor is capable of dissolving existing iron sulfide deposits at threshold concentrations as much as 50% lower than industry benchmarks. SCALETREAT FeS is effective over a wide range of temperatures, pressures, and salinity conditions.

Clariant Corp.

www.clariant.com

Fermentation Aids Are Antibiotic-Free



Because distillers grains created as a co-product of fuel ethanol production have become a primary ingredient in

animal feed, and thus, a major link in the food chain, consumers and regulators are concerned about the use of antibiotics in fuel ethanol production. This family of antibiotic-free fermentation aids addresses these concerns, while simultaneously controlling undesirable microorganisms and promoting yeast propagation during fermentation processes. They are designed to promote beneficial yeast growth and efficiency in both high-pH and standard-pH fermentation. Although the products were developed for fuel ethanol production, they have applications in other commercial fermentation processes as well.

Solenis

www.solenis.com

Coating Shields Electronics from Electromagnetic Waves



As electronic devices become smaller and more ubiquitous, electromagnetic pollution becomes more serious and the need for improved shielding materials escalates. LUVOCOM ES is a thermoplastic shielding compound that is suitable for housings of electric and electronic devices. It achieves a shielding effect by making the housings of the components electrically conducting. Metal sheets, films, and other conducting coatings and compounds also shield in this way, but require thicker walls or additional metal coatings or steel sheets, which incurs extra work and cost. Because this compound does not require secondary protection, it can reduce

system costs. Furthermore, parts can be made smaller and lighter, which makes shipping easier and cheaper.

LEHVOSS North America

<http://llc.lehvoss.net>

FLUIDS AND SOLIDS HANDLING

Globe Valves

Withstand Harsh Environments



Clampseal Y-angle and T-pattern globe stop, check, and stop-check valves are suitable for severe-service applications. The packing system incorporates corrosion-inhibited, high-density graphitic packing to withstand harsh environments. The simple and effective pressure-seal bonnet provides ready access for inline servicing, with no welds to cut or seal rings or gaskets to replace. Body-to-bonnet joint integrity is maintained through countless thermal cycles. A durable single-piece stainless steel gland contributes to the longevity of the valve. Valves are available in sizes ranging from 0.5 in. to 4 in., and up to American Society of Mechanical Engineers (ASME) Class 4500. Users can select electric, hydraulic, or pneumatic actuation.

Conval, Inc.

www.conval.com

Sieve Frame Is Suitable for Food-Grade Processing

The Nova sieve frame is now offered in food-grade, high-density polyethylene plastic. It is available for standard North American sifters in a

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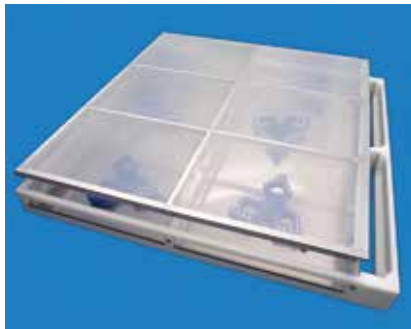
LEM™ LOW ENERGY MELAMINE PROCESS BY CASALE

www.casale.ch

Extend the nitrogen value chain



New Products



range of sizes, as well as some European sifters. Enhanced manufacturing processes produce a simpler, more-sanitary sieve that maintains some of the same features of traditional wooden sieves, including a sturdy metal tray, no backwire, optimum screen tension, high net screen area, and one-piece pan and screen cleaning. It remains compatible with existing Nova aluminum trays.

Great Western Manufacturing
www.gwmfg.com

Stainless Steel Filters Withstand Corrosive Conditions



The FJV-3 Series high-pressure T-type filter assemblies feature all-stainless-steel construction for both the filter housing and filter elements. With working pressures up to 20,000 psi, these filters are intended for extreme environments, such as those found in offshore oil industry,

chemical processing, hydraulics, and power generation applications. Their porous metal felt filter elements employ filter media made of thin filaments of nonwoven stainless steel, making them ideal for highly corrosive, viscous, or radioactive environments. Because it is highly porous (up to 85%), the metal felt media enables high flowrates of up to 20 times those of other media.

Swift-JB International
www.swift-jbinternational.com

BIOPROCESSING Single-Use Bioreactor Offers Flexibility and Convenience



The Mobius 2,000-L stirred-tank, single-use bioreactor offers flexibility, scalability, and convenience. With configurable software, hardware, and single-use Flexware assemblies for suspension and adherent cell-culture applications, this bioreactor enables easy optimization of upstream processes. The pull-out drawer and self-deploying bag make assembly, installation, and inflation safe and easy. Because the Flexware assembly does not require a hoist for installation or removal, operator intervention is minimized. The baffle design creates effective, homogenous mixing. A 5:1 turndown ratio allows users to

inoculate and harvest at lower volumes, widening the process window for seeding, growth, and collection. Flexible process monitoring and control is made easier with the ability to incorporate additional sensors without modifying the assembly.

EMD Millipore
www.emdmillipore.com

OPERATIONS AND MAINTENANCE Pump Metering System Aids Tanker-Truck Loading



The Dataplus II M353 Series is an integrated electronic pump-metering system (EPMS) that consolidates equipment traditionally mounted around a tanker truck into a single lightweight cabinet, improving safety and efficiency. Because all of the necessary buttons are positioned within the cabinet, operators spend less time walking around the truck to complete their tasks, which saves time and minimizes the potential for tripping accidents. If the cabinet doors are left open inadvertently, when the vehicle starts moving, an innovative locking mechanism engages to close the doors and keep them closed. In addition to enhanced safety, efficiency, and robustness, the cabinet also simplifies the appearance of trucks by reducing the amount of equipment on display, which may help to reduce guesswork and confusion for less-experienced operators. The EPMS is suitable for tankers with up to five compartments.

Emco Wheaton
www.emcowheaton.com

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