



Product Digest

this month's topic **Heat Transfer**

Immersion Heaters Ship in Two Days



These standard screw plug immersion heaters are available in 1-in., 2-in., and 2.5-in. sizes. Sheath material options include steel, copper, and Incoloy 840. The standard heaters are designed to heat at 60 W/in², and 500 W to 18 kW. The threaded fittings allow easy insertion and removal, and the tubular heater elements are brazed or welded to national pipe thread (NPT) fittings for easy mounting. In addition to rapid shipping, the company also offers application support and field service for its immersion heaters.

Durex Industries
www.durexindustries.com

Motorized Hoist Permits Safe Access for Dryer Cleaning



Vibrating fluid-bed dryers and coolers from this equipment manufacturer are now available with an optional motorized hoist. The lifting system automatically raises the dryer or cooler cover to permit safe, efficient access for inspection, cleaning, and maintenance. The motorized hoist is operated at the push of a button, and replaces traditional hand-operated winches. It enables

a single operator to lift and remove a dryer or cooler cover, which may measure as long as 36 ft and weigh up to 1,000 lb. An increased load-bearing capacity allows removal of the entire steel conveying section for easy access to the drying or cooling pan underneath. The automated motorized hoist system is installed during manufacture, prior to shipping.

The Witte Co.
www.witte.com

Freeze-Drying Process Improves Biologics' Quality

VERISEQ Nucleation is a freeze-drying process that controls the formation of ice crystals for improved pharmaceutical product quality. A sterile freezing mist rapidly spreads throughout the lyophilizing chamber and causes all of the vials containing biologics to freeze at the same time and at the desired temperature. This produces the preferred ice structure within the product, which reduces processing time and minimizes product damage. VERISEQ Nucleation can be retrofitted to existing freeze-dryers as well as incorporated into new installations.

The Linde Group
www.linde.com

Heating Blankets Consistently Warm Containers



These drum and bucket warmers heat temperature-sensitive materials stored in plastic and metal containers. The heaters use patented GreenHeat

technology to provide highly efficient and uniform heat distribution with minimal energy consumption. The blankets warm containers rapidly and consistently without creating hot and cold spots. They operate from a standard 120-V electrical source, and fit 55-, 30-, and 15-gal drums and 5-gal buckets. The PRO model comes with an adjustable thermostatic controller that allows customers to set and manage temperatures from ambient up to 160°F. The Rapid Ramp model quickly heats materials and keeps them at a temperature of 100°F.

Powerblanket
www.powerblanket.com

Hot Room Withstands Harsh Conditions



The Sahara Hot Room Model E16 is able to heat four totes on pallets or 16 drums at a time. It is electrically heated with precise, digital temperature control, and features an air circulation blower for temperature uniformity and drum heat-up. Welded panels, heavy-duty hinges, and steel construction allow it to survive wear and tear caused by forklifts, harsh industrial environments, and impacts. The E16 has a temperature range up to 350°F, and is shipped completely assembled. Options include a 6-in. vent with damper, interior door latch, chart recorder, door switch, and adjustable timer.

Benko Products, Inc.
www.benko-products.com