Written by MT Staff
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Vacuums For Lifting Heavy & Lightweight Objects

EXAIR's new Adjustable E-Vac® is a series of low-cost, compressed-air-powered vacuum generators in which vacuum and flow rates can be easily adjusted to suit the application requirements. Engineered for high efficiency, these products minimize compressed air use by allowing it to be tuned to the application. With a simple turn of the unit, the vacuum and flow levels can be changed to overcome porosity and increase or decrease the lifting power. The straight-through, single-stage aluminum construction requires no vacuum filter and simply passes contaminants from dirty environments through the unit so there is no clogging or loss of suction. According to EXAIR, these units are ideal for a wide variety of "pick and place," box-opening, clamping, lifting, chucking and surface-mounting applications. Maintenance-free, they have no moving parts to wear out.

EXAIR Corporation
Cincinnati, OH

For more info, enter 37 at www.MT-freeinfo.com

Fluid Storage & Dispensing System For Corrosive Chemicals

A Special Product Package version of the IFH Fluid Storage and Dispensing System provides an easier, safer, cleaner and more cost-effective way to deal with corrosive chemicals and other abrasive fluids that require special handling. The standard PVC sight gauge on the front of the steel containers is replaced with a glass sight gauge equipped with ball check fittings at both ends. Underneath the containers are 3/4" NPT fittings and flex steel hose for resistance to fluids that may damage the PVC hose on standard IFH systems. The Special Product Package can be supplied with new IFH fluid storage and dispensing systems or as a retrofit to existing systems.

IFH Group
Rock Falls, IL

For more info, enter 38 at www.MT-freeinfo.com

Water & Particulate Removal Process

Schroeder's Triton Dehydration Station (TDS) is designed to eliminate 100% of free and up to 90% of dissolved water from small reservoirs, barrels and gear boxes. Using a patent pending transfer process, it efficiently removes water and particulate contamination quickly in all environments. A proprietary design reduces aeration of free and entrained gases of returned fluid. It is extremely portable via either a central lifting point or an optional cart to access tight areas.

Schroeder Industries
Leetsdale, PA

For more info, enter 39 at www.MT-freeinfo.com

A New Wireless Multimeter/Datalogger

Extech's new EX540 Wireless Multimeter/Datalogger features real-time wireless data transmission directly to a user's PC up to 30' away, and true RMS measurements for accurate AC Voltage and Current measurements. It's built for heavy-duty use with a double-molded housing, waterproof (IP67) protection and a CAT IV-600V safety rating and 1000V input protection. It comes standard with a large, backlit, triple LCD display that includes two sub-displays for simultaneous indication of primary readings and related minimum and maximum values. The unit incorporates a diode open circuit voltage of 2.8V DC and auto power-off with disable feature.

Extech Instruments
Waltham, MA

For more info, enter 40 at www.MT-freeinfo.com

Self-Adjusting Locking Pliers

New Crescent RapidVise pliers from Cooper Tools automatically lock onto objects of different thicknesses at a preset pressure without any user adjustment. The strength of the jaws stands up to any standard locking pliers, and the angled tooth pattern provides a superior grip over traditional models. Plus, the nickel-plated finish protects against damaging rust and corrosion. The RapidVise product line currently includes a 10-inch "curved jaw with wire cutter" model and an 11-inch ‘C' clamp in swivel pad and regular tip versions. By late 2009, the line will expand to include 5-inch and 7-inch curved jaw styles and 6-inch and 9-inch ‘C' clamps with swivel pads or regular tips.

Cooper Tools
Apex, NC

For more info, enter 41 at www.MT-freeinfo.com

Current Diversion Ring Protects VFD-Controlled Motors

VFD-controlled motors inherently produce destructive shaft currents that must be redirected around the bearings. Otherwise, unmitigated electrical currents initiated by the VFD and induced by the motor shaft destroy the bearings. Inpro/Seal's Current Diversion Ring (CDR™, patent pending) safely diverts these currents and saves the motor bearings. Available through all major motor manufacturers around the world, as well as EASA repair facilities, the new device can be furnished either as a "press-in," a "Clip-on," a "split" configuration or an "MGS" design, which prevents contamination from entering the motor bearing enclosure while diverting destructive shaft currents.

Inpro/Seal Company
Rock Island, IL

For more info, enter 42 at www.MT-freeinfo.com
Pneumatic Wrenches Deliver In Heavy Use

TorcUP's Raptor pneumatic wrench with patented gear technology delivers continuous and repeatable torque and an accuracy of +/- 5%. Light and fast, it can accommodate torque needs from 120 ft./lbs. to 6000 ft./lbs. A sealed housing and ergonomic grip enhance safety and user comfort. The manufacturer points out that this product has been specifically designed for industrial torque applications. Unlike pneumatic wrenches with typical air motors, the Raptor has heavy use in mind and will continue to run when others can't. It also comes with a 13-month warranty.

TorcUP
Easton, PA

For more info, enter 43 at www.MT-freeinfo.com
Metering Pumps For Cooling Tower Applications

All variations of Neptune™ Series 500 hydraulic metering pumps are designed to handle the demanding operating conditions present in all water cooling tower applications. The company notes that these pumps feature a Variable Oil By-pass ™ stroke adjustment, which results in better valve performance than variable-linkage designs. Their valve checks have extra time to seat, even in heavy liquids, since they are idle during the by-pass

portion of the suction and discharge strokes. Series 500 also feature EZE-CLEAN
TM

valves, whose cartridges can be removed for cleaning without disturbing the piping to the pump. Additionally, these units are available as electric-stroke-control, pneumatic-stroke-control, variable-speed-control or sodium-hypochlorite-gas-bleed models.

Neptune Chemical Pump Co., Inc.
A Member of Dover Corporation's
Pump Solutions Group (PSG)
Lansdale, PA

For more info, enter 44 at www.MT-freeinfo.com

Adhesives For Installation, Maintenance & Repairs

Sanford Distributing introduces new, smaller quantity packaging for its Double/Bubble® epoxy, urethane and silicone adhesives. In addition to the traditional 100-pack, these adhesives now are available in Variety-Pak cartons of 25 or 50. The color-coded, dual-pouch adhesive formulations include 8 epoxies, 3 urethanes and a silicone to handle virtually any installation, maintenance or repair requirement. Users can purchase cartons of a single Double/Bubble epoxy, urethane or silicone formulation, or they can specify a combination of adhesives to meet their needs. According to the manufacturer, the patented, single-use packaging concept solves the time-consuming and costly problems of having to preserve unused portions of adhesives in conventional containers, which typically hold more material than necessary for most applications.

Sanford Distributing
West End, NC

For more info, enter 45 at www.MT-freeinfo.com

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