

Focus on Maintenance Tools

Software determines when to maintenance RO systems

This company has developed a new normalization software for analyzing reverse-osmosis (RO) equipment. PerformMem automatically imports system data from templates in standard process control systems and quickly normalizes even large volumes of data. PerformMem also provides a much more detailed graphical representation of process data and normalized values. Normalized values can then be converted to various formats for further processing or analysis if necessary. Whenever membrane processes suffer from falling retention or reduced performance, this could be due to changes in the water quality or temperature, or deposits in the RO system. The collection of plant data in a cloud in combination with remote maintenance makes economic sense no matter what size the plant. The data can be used for process optimization and troubleshooting. — *Lanxess AG, Cologne, Germany*
www.lanxess.com

Predictive maintenance tool for gas analyzers

Scheduled to have been launched this month at the Hannover Trade Fair (which has been cancelled due to COVID-19), Ability Condition Monitoring for measurement devices (photo) is a digital solution that will keep continuous gas analyzers under control to ensure clean-air operations. The new digital solution keeps track of the health of this company's measurement devices. Performing realtime data analysis, the Ability Condition Monitoring for measurement devices identifies problems quickly, drawing attention to significant or undesirable changes in device conditions. Regular health-check reports provide users with recommendations based on health status, allowing on-site personnel to leverage their own expertise

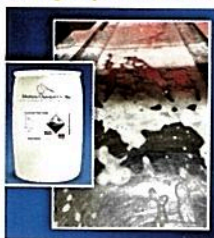


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and enabling remote assistance from the company when required. Predictive maintenance reduces users' potential safety risks and helps them avoid fines. It also lowers operating and maintenance costs due to less emergency maintenance and fewer unplanned outages. — *ABB Ltd., Zurich, Switzerland*
www.abb.com

A liquid cleaner for manual or automated washing operations

ProClean PAN WASH (photo) is a liquid moderately alkaline cleaner designed for use in the food-, dairy- and beverage-processing industries. It is well suited for use in pan washing equipment or as a soak cleaner, and for automatic washing of dairy and beverage cases. This proven formulation is effective and free-rinsing in hard or soft water. ProClean PAN WASH is safe for use on aluminum, stainless steel and other ferrous alloys when used as directed, may etch and attack zinc alloys, including galvanized. ProClean PAN WASH is acceptable for use in food and beverage plants as an A2 cleaning agent for use only in soak tanks, with steam or mechanical cleaning devices in all departments. — *Madison Chemical, Madison, Ind.*
www.madchem.com



Madison Chemical

Machine health solution optimizes pumps and systems

This company is expanding its intelligent solutions range with the launch of Grundfos Machine Health (GMH) powered by Augury, a realtime analytics and diagnostics solution that provides accurate and actionable in-house analysis on rotating equipment for industrial, water utility and commercial applications. The GMH system gives users unprecedented control over downtime prevention. Using advanced wireless sensors to monitor pumps and systems, data are

transferred to a secure cloud platform where a robust algorithm detects the slightest vibration, temperature variations and magnetic flux. Any abnormality is translated into a straightforward, actionable task and sent to the maintenance team. Through the completion of these tasks, users can expect improved longevity for equipment, increased operational efficiency and less downtime for their equipment. — *Grundfos, Houston*
www.grundfos.us

Remove oil stains from concrete with this cleaner

This company's MCI line focuses on corrosion protection for reinforced concrete, and also includes several specialty products that provide excellent companions for concrete or construction site maintenance. One of these is MCI-2061, a powerful cleaner (photo) that safely and effectively cleans oil stains on concrete using "green" chemistry. It is said to be an excellent and effective alternative to harsh caustic or acidic cleaners. Initial cleaning is due to biodegradable surfactants in the product. Ongoing cleaning action is performed by microorganisms that activate when applied to pre-wetted concrete and rinsed according to instructions. These microorganisms are specially selected for their ability to biodegrade hydrocarbons, such as those found in oil, diesel and other materials that stain concrete. Spores that remain after rinsing germinate and continue to eat away at the residual hydrocarbons not removed in the initial cleaning process. MCI-2061 microorganisms carried away with the rinse water can also work to clean up hydrocarbons downstream in drains and sewers. — *Cortec Corp., St. Paul, Minn.*



Cortec Corp.

www.cortecvci.com ■

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Note: For more information, circle the 3-digit number on p. 66, or use the website designation.