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 **VOGEL**



Wastewater Pumps

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Process Automation

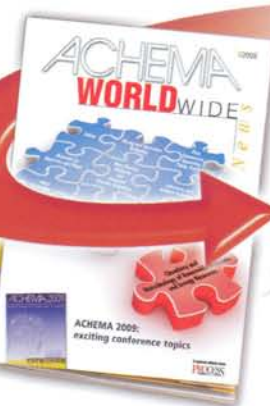
Bioethanol under control 16

Valves/Fittings

Stop steam losses 40

plus PharmaTEC international

Forward look at ACHEMA 2009 and more



Versa-Matic Pump has launched a new line of aluminum air-operated **double diaphragm (AODD) pumps**. The E7 pumps feature port diameters of 0.75 inches and leak-free, bolted construction, making them ideal for dispensing, OEM systems and many other industrial applications. Like other Versa-Matic pumps, the diaphragm pump features the Elima-Matic air valve system. This ensures non-stalling, non-icing, lube-free operation, and prevents blow-by when the pump is online, but not in use. The Pump shares many parts with the Versa-Matic E5 0.5-inch pump line.

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The latest release of the Cadison **plant design** package has many new features to make engineers' lives easier, says developer ITandFactory. Cadison R8 has around 40 new functions and 190 revisions to existing functions. Highlights include Engineer2Web, a module that allows models to be viewed and edited securely over the web; compatibility with the latest versions of AutoCAD; a new maintenance tool; a new instruments tool developed from the existing MSR Tools; and a faster and simple way to create piping classes.

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Arca Regler has extended its "unit construction" system for **valves** to cover sizes up to DN 600 in size. The DN 600 cast valves are available in pressure classes PN 16, 25 and 40, plus DN 24" ANSI 150 and ANSI 300. Materials are GP240GH / A216-WCB-216 or 1.4581 / A351-CF8M as standard, with special materials on request. DN 600 valves are used in wastewater plants, steelworks, refineries and chemical plants. Producing and installing valves this large requires a good deal of expertise, for which the company can draw on help from fellow group member Feluwa Pumpen.

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Product News

FLUID CONTROL

New globe valves

Valve specialist Gemü has developed two new pneumatically operated globe valves, Gemü 530 and 534. Both use the same bodies, but the 530 has a stainless steel piston actuator, while that in the 534 is made from plastic. To begin with, the new valves are available in sizes DN 15–50, in a choice of 1.4408 cast stainless steel or GGG 40.3 (EN-GJS-400-18-LT) SG iron. The design of the flanged valve bodies has allowed considerable savings in material and weight, without compromising control stability. The Cv values have also been improved by up to 40

percent compared to Gemü's existing 512 series valves. The maximum operating pressure is 25 bar for sizes up to DN 40, and 16 bar for DN 50, and the maximum operating temperature is 180°C; other versions are available on request. The new PTFE gland packing for the 530 is steam-resistant and suitable for vacuum. For applications where pipework is regularly foamed with corrosive cleaning agents, a special vent valve is available to stop cleaning media getting into the actuator. All valve sizes can be equipped with regulating cones



to allow them to be used as control valves in combination with Gemü positioners and controllers.

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LABORATORY CHEMICALS

An expanded range and distribution network

Honeywell has significantly expanded its range of laboratory chemicals sold under the Burdick & Jackson (B&J) brand name. The B&J portfolio now covers more than 900 solutions, salts and acids, up from 200 items a year ago. Since 2007, Honeywell has sold these products in package sizes up to 45 l in Germany and Austria through Omni Life Science, Hamburg. Honeywell now plans to expand

its distribution network to cover the whole of Europe. "Our aim is to significantly expand our sales of laboratory chemicals in Europe over the next three years," said Dr. Joachim Pavel, business manager for the Honeywell laboratory chemicals business in Europe. Products for the European market are almost exclusively manufactured at Honeywell Specialty Chemicals in Seelze/Germany. B&J has

been the leading developer of high-purity solvents in the USA for 45 years. In recent years, the business has established a presence in the fast-growing markets of Asia. Today, Honeywell manufactures its full line of high-purity solvents at Muskegon (Michigan/USA), Seelze, and Ulsan (Korea).

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LAB CHEMISTRY

Liquids dosing system can be controlled directly

Laboratory chemistry automation specialist Syrris has launched the Atlas Syringe Pump for volumetric dosing of liquids. The pump can be controlled directly, using an intuitive twist-and-click system, or remotely using the manufacturer's Atlas base or Atlas PC software for intelligent, automated reagent addition and advanced flow profiles. The pump consists of two syringes, with six-port valves, that can be configured to operate individually or together. A choice of dosing modes allows both simple reagent additions and the active control of pH or temperature. The system can also be set to



pause the pump if the reaction exceeds a preset threshold temperature or pH value. The Atlas Syringe Pump has good chemical compatibility, and a flowrate range of 0.5 µl–10 ml/min. It

can be supplied as part of the Atlas Potassium, a jacketed reactor system including overhead stirring and temperature control. Other Syrris products include the FRX, a low-cost flow chemistry system, and Africa (Automated Flow Reaction Incubation and Control Apparatus), a modular system for library synthesis, aqueous work-up and reaction optimization. Other, more general, productivity tools for chemists are the Atlas automated chemistry system and the Lara Controlled Lab Reactor system.

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