



this month's topic **Valves**

Ball Valve Self-Flushes and Resists Clogging



The QuadroSphere trunnion ball valve is appropriate for applications in which flowing media tend to collect, solidify, and clog valves. Industries such as oil and gas, refining, power, chemical, pulp and paper, mining, and steel will benefit from the clog-resistant design. Multiple flow paths through the valve and four recesses on the surface of the ball enable the self-flushing design that minimizes scale and solids buildup. Special machining of the ball minimizes the ball-to-seat surface contact area and reduces the torque necessary to operate the valve. The standard valve is fire-safe and is appropriate for use with flammable materials such as natural gas, oxygen, gasoline, and oil.

Val-Matic Valve and Mfg. Corp.
www.valmatic.com

Knife Gate Valve Handles Abrasive Materials

The KUL urethane-lined knife gate valve is designed for on/off and throttling applications that handle abrasive slurries or dry abrasive media in such industries as mining, chemical manufacturing, and food processing. A one-piece, cast-in-place liner provides bidirectional, drip-tight shutoff to either 150-psi or 250-psi cold working pressure (CWP). All of the wetted parts are urethane-lined, and multiple urethane compound options are available. The body of the valve is

made of cast ductile iron and the gates can be manufactured from stainless steel (Type 304, 316, 317, or 254) or Hastelloy C. Sizes range from 2 in. to 48 in., and temperature ratings from -40°F to 180°F.

DeZURIK, Inc.
www.dezurik.com

Four Butterfly Valves Have Ultralow Fugitive Emissions

Four chemical-resistant butterfly valve models — GAR-SEAL, STERILE-SEAL, SAFETY-SEAL, and MOBILE-SEAL — boast ultralow fugitive emissions and improved reliability. All of the valves comply with ISO 15848-1 Leakage

Rate A and TA-Luft requirements. The GAR-SEAL model is designed for use with corrosive, abrasive, and caustic materials. STERILE-SEAL is appropriate for environments that require sterility, as in the pharmaceutical and food and beverage industries. The SAFETY-SEAL model is best suited for situations where electrostatic charge must be negated. And for mobile applications such as tankers and railcars, the MOBILE-SEAL butterfly valve provides the required high degree of safety and dependability. Each model can be customized to include standard or locking handles.

Garlock
www.garlock.com

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