Product Digest

this month's topic Valves

Rotary Airlock Valves Reduce Material Buildup

Run-Clean rotary airlock valves have multiple features that reduce material buildup inside the valve housing. Angled surfaces and rounded edges inside the housing eliminate dead zones. Internal surface coatings, such as tungsten, prevent surface wear imperfections where fouling can occur. Glandless shaft seals prevent contaminant migration into the housing. The RotorRail design enables full access to the rotor and all internal surfaces of the housing without endplate disassembly. The valves are available in Type 304 or Type 316 stainless steel construction, in sizes from 6 to 18 in., with pressure differentials up to 20 psig and a temperature tolerance up to 750°F. Rotor configurations include closed-end, metering, shallow-pocket, polytetrafluoroethylene (PTFE; Teflon)-coated, and adjustable-tip.

ACS Valves
www.acsvalves.com

Portable Valve Actuator Provides Safe Operation

The Easi-Drive valve actuator effectively operates valves that require a large number of turns or high torque. It can be powered by air, electricity, or battery, and is both lightweight and portable. The actuator features a variable-output torque adjustment that is available with a maximum output from 350 to 8,500 ft-lb. Easi-Drive can be deployed in power plants, oil refineries, paper mills, and chemical processing facilities.

Smith Flow Control
www.smithflowcontrol.com

Metering Ball Valve Offers Precision Flow Control

The Type 523 metering ball valve boasts improved flow control, easy actuation, and application versatility. Its V-notch ball design has 180-deg. rotation capability, which enhances flow control. The circular scale with high-contrast display can be read from any angle. Material of construction options include polyvinyl chloride (PVC), polypropylene, and polyvinylidene fluoride (PVDF), in 3/8-in. and 1/2-in. sizes. The valve can be easily actuated with the manufacturer's EA21 actuator and positioner to fully automate the flow control system. The ball valve includes integrated stainless steel mounting inserts, polytetrafluoroethylene (PTFE; Teflon) ball seals, and built-in threaded inserts for facilitating quick installation.

GF Piping Systems
www.gfpiping.com

Wafer Check Valve Is Constructed of PVC

This wafer check valve's body, disc, and stopper assembly are constructed of solid polyvinyl chloride (PVC) plate stock. The valve can be easily installed by fitting it in between two mating flanges; the valve's body automatically centers itself. A directional flow arrow indicates the upstream and downstream sides of the valve. The design of the disc and stopper permits the disc to fully open when upstream flow is present. In vertical applications, minimal backpressure provides a positive shutoff seal. In horizontal applications, an ethylene tetrafluoroethylene (ETFE)-coated stainless steel spring pulls the disc back to the closed position, with minimal backpressure required to fully shut off flow. The check valve is available in sizes from 4 to 12 in. All 4–8-in. valves operate at a maximum pressure of 150 psi; 10-in. and 12-in. valves operate at a maximum pressure of 90 psi.

Asahi/America, Inc.
www.asahi-america.com

Ball Valve Features Spring-Loaded Packing Technology

The NAF Duball DL ball valve features a Z-trim option for enhanced flow control, which limits cavitation and vibration, and a split-body-with-floating-ball design that prevents leaks. The valve's ball and seat may be easily serviced without removing the valve stem and actuator. Spring-loaded stem packing remains tight for many cycles, which greatly reduces the need for manual retightening of the packing. The valve can withstand temperatures up to 250°C. An NAF Turnex pneumatic actuator can be mounted on the ball valve for precise automation.

Flowserve Corp.
www.flowserve.com