



Plastic Butterfly Valve Provides Corrosion Resistance



Because it is constructed entirely of plastic, the Type-578 lug-style butterfly valve offers enhanced corrosion resistance and a long service life. The outer housing is constructed of a glass-filled polypropylene (PP) with overmolded SS316 lugs. A double-eccentric design differentiates the Type-578 from other plastic lug-style valves that utilize the traditional, and often problematic, boot-style design. The double-eccentric design allows the disc to completely disengage from the disc seal during operation, which reduces friction and component wear without sacrificing the valve's sealing ability. Additionally, the unique eccentric design requires half the operating torque of boot styles, and it is not susceptible to elastomer swelling. The valve is available in manual, electric-, and pneumatic-actuated versions, and in sizes from 2 in. to 12 in.

GF Piping Systems
www.gfpiping.com

Self-Loading Regulator Valves Provide Pressure Control

These self-loading regulator valves are suitable for pressure regulation applications. The SLR-1 consists of a DA4 high-performance, pressure-loaded, flow-to-open pressure-reducing regulator mounted onto either a P1 or Fairchild Model 10 pressure-reducing regulator. The inlet of the main valve discharges into the P1/Fairchild regulator, which reduces the pressure to the



level required inside the cover dome to maintain the setpoint of the main valve. Because of its self-relieving feature, the SLR-1 is only appropriate for environmentally safe applications. The SLR-2 is similar to the SLR-1 in that it employs a P1/Fairchild regulator mounted onto a DA4 pressure-reducing regulator. The SLR-2, however, is not self-relieving, which enables its use in hydrogen gas, natural gas, and sour gas applications.

Cashco, Inc.
www.cashco.com

Manifold Valves Are Offered in a Variety of Configurations



These manifold instrumentation valves are available in three arrangements: two-valve manifolds, for use in pressure instruments; three-valve manifolds, for use with differential-pressure instruments; and five-valve manifolds, for use with differential-pressure instruments where drain valves are required on the instrument

side. All of these arrangements are available in four different designs: separately mounted manifolds, direct-mounted T-type manifolds, direct-mounted H-type manifolds, and co-planar manifolds. Each valve is designed with a pressure-sealing system that offers an array of benefits, including smooth operation, resistance to wear, long life, and reduced gland leakage. The stem threads are rolled to reduce friction and coated with a silver-Teflon mixture for smooth operation. The stem plug has a swiveling design and is hardened to provide resistance to wear and a long life. The pipe-sealing system prevents blowouts of the stem and reduces gland leakage.

Brennan Industries
www.brennaninc.com

Control Valves Reduce Boiler Blowdown Frequency



The BCV43 Series blowdown control valves optimize total dissolved solids (TDS) levels while minimizing boiler

blowdown frequency, which helps to maintain an effective steam and condensate system as well as conserve water and energy. The valves, which are available for line sizes of 0.75 in. and 1.5 in., are suitable for applications where boilers operate unsupervised for 24-hr to 72-hr periods, and for accurate control of TDS levels in high-pressure, low-flow applications. The design is based on the flexible and modular SPIRA-TROL valve platform. A clamp-in-place seat is engineered to minimize seat erosion to ensure consistent, tight shutoff. Valve maintenance can be performed without any special tools. Users can choose from electronic or pneumatic actuation.

Spirax Sarco, Inc.
www.spiraxsarco.com

Butterfly Valve Meets a Wide Range of Process Needs



The Fisher 8590 high-performance butterfly valve is available with a variety of disk seals and actuator designs, and in several different material combinations, to meet plantwide throttling and on/off requirements. Engineers can standardize on one valve platform across multiple process applications to simplify designs and reduce costs. For example, several dynamic disk seals are available for temperature conditions that range from low to moderate (up to 1,000°F), and severe service and cryogenic requirements can be met with the appropriate metal-polymeric or rug-

ged stainless steel seal construction. The pressure-assisted design provides tight shutoff and permits the use of smaller, less-expensive actuators. With a true bidirectional shutoff, the torque necessary to open and close the valve remains constant regardless of the differential pressure across the disk. Slam-shut conditions do not occur as the disk nears the seat, which extends seal life and avoids actuator and piping damage. In addition to the standard elastomer and metal disk seal options, the ENVIRO-SEAL packing system can be selected to keep emissions below 100 ppm.

Emerson Process Management
www.emerson.com

Double-Block-and-Bleed Valve Boasts Enhanced Safety

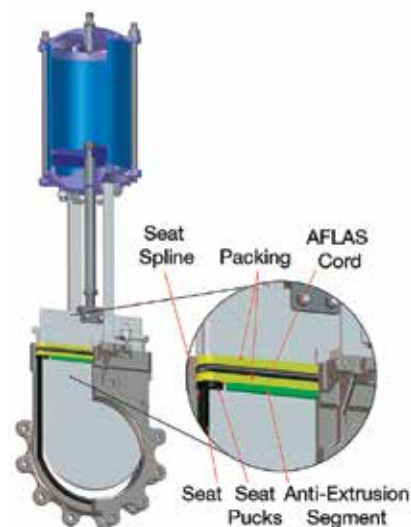


The oil and gas industry are often mandated to use double-block-and-bleed (DBB) service valves over standard service valves for corrosion monitoring, because they enhance safety. DBB valves include a secondary ball/sealing surface that retains pressure in the event of damage to the first ball or sealing surface. This DBB valve features a rotating base that can be opened or closed by rotating the valve into the desired position, which makes servicing in tight spaces easier. Mechanical operation eliminates the

need for compressors and a local power source — items that are not always available in the field. The valve is lightweight (56 lb) and is rated for pressures up to 6,000 psi. The manufacturer supplies a kit that includes the valve assembly with an extension lever, brass hammer, spare O-rings, and a storage case.

Rohrbach Cosasco
www.cosasco.com

Knife-Gate Valve Provides Bubble-Tight Shutoff



The KGC-BD bidirectional knife-gate valve includes a perimeter seat design that provides bubble-tight shutoff in either direction and prevents buckling and dislodging. A spline and puck lock the one-piece rubber-molded seat securely to the valve body. The valve also incorporates a packing system that includes high-performance packing and material options and anti-extrusion segments. KGC-BD is suitable for isolation and on/off applications. It handles clean, dirty, viscous, and corrosive liquids; sludge and fibrous slurries; and clean and corrosive gases. Sizes ranging from 2 in. to 36 in. are available in a variety of materials.

DeZURIK, Inc.
www.dezurik.com