

Valve

PRODUCT NEWS

Apollo® Valves earns ISO/IEC 17025:2005

Apollo® Valves has earned ISO/IEC 17025:2005 accreditation for its engineering laboratory in Pageland, South Carolina. ISO/IEC 17025:2005 is an international standard used to assess technical competency in laboratory management, including testing proficiency, calibration, personnel training, report generation and record keeping. The accreditation recognizes that Conbraco Industries Inc., the parent company of Apollo Valves, meets all the requirements of the standard in its engineering laboratory. The company conducts differential pressure testing, thermal testing, hydrostatic pressure testing, strength testing, and vacuum, flow and cycle testing under this accreditation. In addition to meeting ISO/IEC 17025:2005 standards, Conbraco's manufacturing facilities are also ISO 9001/2000 registered. Other Apollo Valve certifications include ASME, ASSE, IAPMO, CRN, UL and FM. A number of Apollo Valves products are RoHS compliant, as well. The company also produces products conforming to the CE Pressure Equipment Directive.

Modular linear actuators from Schaeffler

Schaeffler Group's INA Linear Technology Division has introduced a range of modular linear actuator units that are suitable for applications where secure, rapid, precise and repeatable positioning and movement of light-to-moderate loads is required. The MKUVS32-KGT consists of a support rail, one or two carriages, and a ball screw drive. Guidance of the carriage

or carriages in the support rail is achieved using two or four KUVS32 linear re-circulating ball bearing units. Due to their support width, the linear actuators can withstand forces from all directions and moments about all axes. The low section height design offers dimensions of 80mm x 48mm, depending on the design and construction. The maximum stroke of the MKUVS32-KGT is 1022mm. The MKUVS32-KGT enables travel speeds up to 1m/s and accelerations of up to 30m/s². The drive system is a ball screw drive (maximum spindle speed 3000rpm) and the user can specify pitch values of 2, 4, 10 or 20mm. Accessories including motor adapter plates and couplings can adapt the actuator to fit different motors based on the internal specifications covering motors and controllers. Additional components such as alloy sheet steel strip covers are available to protect the linear guidance systems and drive unit.

Slide gate valve for difficult applications

Vortex has released the HDP slide gate valve for difficult applications or those involving sticky, abrasive, or corrosive materials. The HDP can be applied to control material flow in gravity, dilute phase, or dense phase conveying systems up to 5bar, depending on size and modifications. It is available in 6in to 16in. The HDP's rising blade seals high pressure without abrading the seal, and is able to handle high temperature applications, up to 450F. The HDP Slide Gate system includes air, electric, or hydraulic actuators, position indication switches, and ANSI #125/150 or DIN flanges. The HDP also offers a variety of modifications to accommodate a range of temperatures, and corrosive, humid, and hazardous environments. Additional options include 304 Stainless Steel, 316L Stainless Steel, or a combination of Carbon Steel and 304 Stainless Steel material contact; built-in material shear protector to minimize material contact with the seal upon blade closure; and optional pre-wired terminal box, NEMA 4, NEMA 7/9, or ATEX-rated single or double solenoids, and proximity or magnetic reed position indication switches.

VS45 Valve series

Norgren, a supplier of pneumatic and fluid control solutions for the industrial market, has launched the VS45, the newest addition to its VS Valve Series. The VS45 adds increased flow, as well as flexibility to Norgren's existing plug-in subbase valve family. The VS45 plug-in subbase manifold is fully modular, available in any number of valves up to 16 stations, and takes seconds to add or remove additional units. It is offered in three port sizes, 3/8in, 1/2in and 3/4in, with pressure capabilities of vacuum up to 232psi and flow up to 4.20 Cv.

FF Diagnostic Profiles Specification

The Fieldbus Foundation has released the final Foundation Fieldbus (FF) Diagnostic Profiles Specification. Based on guidelines established by the Namur Working Group 2.6, the specification is designed to build upon the diagnostic features provided by Foundation fieldbus devices, while allowing end-users to leverage added Electronic Device Description Language technology for actionable diagnostics. According to the Namur NE107 recommendation, "Self Monitoring and Diagnosis of Field Devices," fieldbus diagnostic results should be reliable and viewed in the context of a given application. The document recommends categorizing internal diagnostics into four standard status signals. It also stipulates configuration should be free, as reactions to a fault in the device may be very different depending on the user's requirements. According to NE107, plant operators should only see status signals, with detailed information viewable by device specialists. The Foundation Fieldbus Diagnostic Profiles Specification identifies "role-based diagnostics" for fieldbus equipment and defines a consistent set of parameters for diagnostic alarming. This approach is designed to support categorization of diagnostics according to NE107. A copy of the Foundation fieldbus Diagnostic Profiles Specification is available to Fieldbus Foundation members at <http://forums.fieldbus.org> under "Member Forums - New Specification Forum."