



ROSS CONTROLS E-NEWS

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ROSS Launches 95 Series In-Line Valves

ROSS Controls is pleased to announce the newest body-ported directional valve line.

The new 95 Series 5/2 and 3/2 product is a versatile, durable seal design that can be inline or manifold mounted, or ordered with a NAMUR mount interface. Porting options include pipe sizes 1/8" – 1/2" NPT or BSPP with Cv flows from 2.2 to 4.5.

These compact and cost-effective products are very affordable and are an ideal addition to meet the needs of various applications. They stand out for their solid, compact construction and high flow capacity – all packaged in a refined design.

Options include: solenoid pilot (that come standard in either 24 VDC or 110 AC- custom voltage options available) or pressure control versions. Solenoid pilots include manual overrides.

The 3/2 versions can be ported for Normally Open or Normally Closed functionality.

This valve line has had success in Europe and South America for more than 10 years and has undergone ROSS' essential 20 million cycle life testing.

CrossMirror® Series CM Double Valves

ROSS Crossmirror® Double Valves provides control reliable cylinder/actuator control resulting in increased safety and savings.

Typical safety designs look to remove the air to a machine or zone. If there is a single actuator hazard it can be controlled with a safety control valve providing point of use control. This provides not only safety but offers savings in air consumption and eliminates any downtime due to recharging the system.

The Crossmirror® valve is internally self-monitored and is used in a variety of applications including cylinder presses, potentially hazardous filling applications where spilling is not an option, and critical clamping applications.

It is 3rd party certified to category 4 performance level E and meets SRP/CS (Safety related Parts of the Control System) requirements for:

- ISO 13849-1
- ANSI & CSA lockout
- ANSI/PMMI b155.1
- Recently updated robotics standard ISO 10218



ROSS Controls® 21 & 27 Series Valves Awarded Safety Integrity Level (SIL) Certification

ROSS announces that the 21 & 27 Series in-line valves are now SIL Certified per the requirements of the IEC 61508 2010 standard. These valves are suitable for use in safety instrumented systems up to SIL 2 and may be used in a redundant structure up to SIL 3.

The third party assessment and certification by TÜV Rheinland® Industrie Service GmbH ensures that the valves and safety manual comply with the IEC 61508 standard. This standard provides safety equipment suppliers and users a common framework to design products and systems for safety-related applications.

The ROSS 27 & 21 Series in-line valve has a robust and contamination tolerant poppet design and is available in port sizes ranging from ¼" to 2 ½", either solenoid or pressure controlled, and is available in either a 2/2, 3/2, or 4/2 function. The ROSS 21 Series valves are configured like the 27 series along with either a high or low temperature rating.

ROSS Joins "Rockwell Automation On The Move" Events

ROSS is pleased to announce it will participate in the following "Rockwell Automation On The Move" educational events:

- New Orleans, LA (June 17-18)
- Chattanooga, TN (June 24-25)
- Worcester, MA (July 1-2)
- Memphis, TN (July 15-16)
- Seattle, WA (August 11-12)
- Phoenix, AZ (August 19-20)
- Sacramento, CA (August 26-27)
- Salt Lake City, UT (September 2-3)



As a Rockwell Encompass Product Global Partner, ROSS works with Rockwell to provide pneumatic safety solutions tailored to customer's specific automation needs. This traveling series of workshops addresses "plantwide optimization, sustainable production, and machine builder performance."

Through hands-on labs, technical sessions and product/technology exhibits, attendees learn skills to help optimize their plant, enhance safety, productivity and profitability.

For more information on the event or to register, visit Rockwell's web site at www.rockwellautomation.com.

ROSS Controls Blog

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