



PRESS RELEASE

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## ***ROSS CONTROLS® Announces New Hydraulic HBB Series Safety Valve Systems***

TROY, MI – September 2018 – ***ROSS Controls® introduces its new Hydraulic Block & Bleed valve systems designed for external monitoring, up to Category-4, PL e for safety applications***

ROSS, who is already known throughout the industry for reliable pneumatic safety-related valves and solutions, now expands upon these strengths to offer solutions for users of hydraulic systems.

The ROSS Hydraulic Block & Bleed Series feature a manifold base mounted design available in three body sizes D03, D05, and D07, port sizes SAE-8, SAE-12, and 1-1/4 Code 61 Flange. These valve systems feature a relief valve on inlet, and position sensors for external monitoring. The HBB Series valve system is enhanced with a tamper-resistant design that prevents unauthorized personnel from altering the valve.

The safety function of the Hydraulic Block & Bleed Series valve system is to block hydraulic supply pressure and to bleed downstream pressure back to tank.

The ROSS® HBB Series safety system is a redundant 3/2 normally closed function valve system, spool type design, direct solenoid or solenoid pilot operated. This new system is designed for external monitoring for safe redundant operation, and is equipped with position sensors for external monitoring by an electrical safety control system.

ROSS has always been at the forefront of pneumatic innovations and now gives customers even wider options with its hydraulic offerings, and will continue to expand its hydraulic line of products.

For more information on ROSS® HBB Series hydraulic valve systems, contact your local ROSS distributor, ROSS' customer service or visit ROSS' website.

ROSS CONTROLS Customer Service  
800-438-7677 (in the U.S.) or 248-764-1800 (outside the U.S.)  
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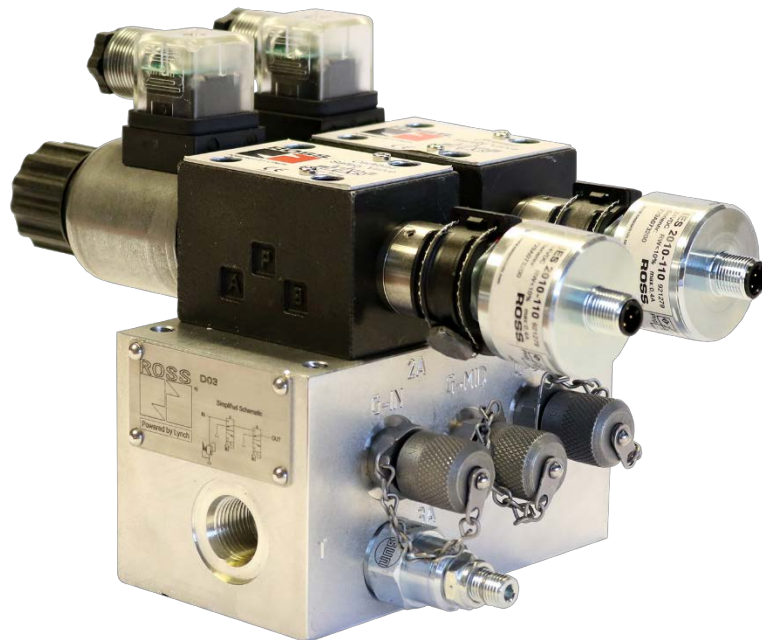
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## ROSS CONTROLS®

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Established in 1921, ROSS CONTROLS® is headquartered in Troy, Michigan and is ISO certified. ROSS® designs and manufactures pneumatic valves, control systems, and is universally recognized as a global leader in fluid power safety solutions and poppet valve technology. ROSS® provides standard products and customized ROSS/FLEX® solutions for machinery and automation. Selling to original equipment manufacturers and end-users throughout the world, ROSS® reaches its global customer base through the global sales team located in the United States, Germany, France, England, Japan, China, Brazil, India, and Canada. In addition to its global sales team, ROSS® markets its products through a worldwide network of more than 100 distributors.

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**ROSS® HBB Series Valve System  
for Block & Bleed**