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### **Eaton's new CLS sectional load sense relief valve brings efficient pressure control to post-compensated hydraulic valves**

**Morges, Switzerland** ... Power management company Eaton today introduced a sectional load sense relief valve (LSRV) for its CLS mobile hydraulic control valve. The patented LSRV limits individual section pressure through feed oil reduction, eliminating the need for inefficient work port reliefs for feed-side pressure control. The CLS LSRV improves machine productivity and efficiency by helping prevent functions from slowing down during multi-section actuation and by eliminating unnecessary energy consumption and heat generation.

“Most load sensing mobile valves make you choose between power management and pressure control,” said Jiri Foukner, EMEA product manager, Advanced Mobile Valves, Eaton. “Eaton’s CLS valve eliminates this trade-off. With the new sectional LSRV, the CLS valve combines the benefits of pre-compensated and post-compensated valves, providing pressure control while maintaining flow sharing and power management capabilities.”

The CLS LSRV enables the use of full available inlet flow to maintain functionality during multi-section actuation, helping improve machine productivity. The LSRV limits pressure by reducing feed oil flow, rather than dumping the flow to the tank. Once the LSRV stops oil flow when a function reaches a specific pressure, which can be lower than maximum system pressure, that flow is available to other sections at full system pressure. This helps prevent machine functions from slowing down when multiple sections are operating at once.

The CLS LSRV improves energy efficiency by minimizing the power losses that occur when using work port reliefs for feed-side pressure control. Unlike work port reliefs, which dump all oil flow to the tank, the LSRV discharges only 2 to 4 L/min. of flow to the tank, dramatically reducing energy consumption and heat generation.

The CLS sectional load sense relief valve is ideal for machinery with swing and clamp functions, including forestry equipment, excavators and backhoes.

To learn more about the Eaton CLS sectional load sense relief valve, visit [Eaton.gb/CLS](https://www.eaton.com/gb/CLS).

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Eaton's mission is to improve the quality of life and the environment through the use of power management technologies and services. We provide sustainable solutions that help our customers effectively manage electrical, hydraulic, and mechanical power – more safely, more efficiently, and more reliably. Eaton's 2020 revenues were \$17.9 billion, and we sell products to customers in more than 175 countries. We have approximately 92,000 employees. For more information, visit [Eaton.com](https://www.eaton.com).

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