Bosch Rexroth is expanding its range of hose burst valves with the introduction of the new solution H-valve. Perfectly suited to 08-ton 40-ton excavators, the new valve boasts very high performance thanks to its design, offering a low pressure drop meaning a significantly reduction of fuel consumption and improved controllability.

Bosch Rexroth can provide a new flexible and compact solution with all hydraulic ports rear mounted and a special manifold design which allows the right instillation without any flange adapters: no changes needed on existing hydraulic systems.

For this new valve, a new improved die cast housing has been developed which permits very low pressure losses combined with a very compact manifold. The resulting valve is 21% lighter with a pressure drop reduction of 46% compared to the existing hose burst valves. Furthermore, the H-valve guarantees very low hysteresis and peaks of pressure in relief function ensuring limited stress for the cylinders. One solution to cover a wide range of machines: size 2.5 for flow rates up to 250 l/min and size 5.0 for flow demands up to 500 l/min.

CUSTOMER BENEFITS
- Compact solution
- Lower pressure drop
- Easier installation (all ports placed on the back surface)
- Enhanced control
- Reduced Hysteresis
- Reduced overshoot in relief function

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Size</th>
<th>Flow</th>
<th>Pressure</th>
<th>Flange</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5</td>
<td>up to 250 l/min</td>
<td>460 bar</td>
<td>1/2” and 3/4” SAE 6000</td>
</tr>
<tr>
<td>5.0</td>
<td>up to 500 l/min</td>
<td>460 bar</td>
<td>3/4” and 1” SAE 6000</td>
</tr>
</tbody>
</table>

APPLICATIONS

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