

Press Release
20.04.09

New product for Hannover Fair 2009

Suited for high-pressure applications: HAWE Hydraulik's sturdy directional seated valve, construction size 22

For many years the product family of directional seated valves and their various actuations have acted as the billboard face of the Munich-based HAWE Hydraulik SE. The key feature of these ball seated valves is their zero-leakage characteristic when closed tight.

The extended range of construction size 22 valves has recently joined the product family. Valves of this size are extremely sturdy and have a very long life cycle. Like all other HAWE Hydraulik components that are pressurized they are made of steel. This makes them particularly well suited for swelling and pulsating continuous stress and a high number of switching actuations in the high pressure range of up to 700 bar. The maximum flow rating is 25 lpm.

The directional seated valves can be deployed for direct control of the hydraulic consumers and, depending on the flow pattern, as pilot valves for hydraulic activated switchgear. Against the spring and fluid pressure, they are mechanically moved from the operating element into the respective switch position by means of bell-crank lever and tappet. They may be actuated by solenoid, pressure, mechanically or manually.

They are zero-leakage in blocked flow directions. The ball valve construction effectively prevents jamming or sticking in the switch positions under full pressure. This provides an extremely high switching reliability. The integrated strainer elements offer additional protection against coarse contamination. The lever transmission from the actuation unit to the valve element allows soft and shock-free switching and minimizes switching power.

The valves can be delivered with 2/2-, 3/2- and 4/3-way-directional functions. The basic version - built as manifold mounting valve - can be supplemented

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with individual connection plates for direct installation in the pipe works or with sub-plates to be combined in valve blocks.

The directional seated valve is ideally suited for structural engineering works, such as lifting, moving and depositing decking elements on bridges. Other fields of deployment are production test benches for 3-shift operations for at 24/7-operation.

HAWE Hydraulik is presenting the directional seated valves for the first time at the Hannover Fair 2009 (April 20-24, 2009): **Hall 019, booth C15**, in the sector "Motion, Drive & Automation".

Further information and free documentation:

HAWE Hydraulik, www.hawe.de, info@hawe.de, Tel.: +49 89 37 91 00 0.

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Bank of directional seated valves, construction size 22

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