

Virtuous valves: Sharing flow in compact systems

EDC series modular compact directional valves bring Rexroth flow sharing technology to equipment requiring smaller flows

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For Immediate Use



EDC series directional control valves bring load sense, flow-sharing technology to lower flow ranges providing a perfect complement to Rexroth's range of mobile controls.

New EDC series flow sharing valves bring historic Rexroth expertise to bear on a new segment of the market. By interfacing with both the existing range of ED compact directional valves and Rexroth's historic LUDV offerings, the EDC series offers new levels of performance and value to smaller equipment requiring simultaneous function operation in load sense systems.

Manufacturers of equipment with functional demands of up to 16 gpm each are no longer required to oversize pump output to prevent flow saturation in load sense systems. By applying Rexroth's new EDC series modular directional control valves, machines can now truly harness the efficiency of load sense technology without added cost at the pump or wasted energy in bypassing flow. Rexroth has long maintained a leadership position in flow sharing control technology for higher flow rates, and now offers a new, direct-

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Press Release

acting valve system of both proportional and switching valves providing unmatched value for smaller machines.

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Suitable for flow rates up to 16 gpm per section and 4500 psi working pressure, EDC series valves allow individual flow rate calibration at each work port as well as common options such as port relief and anti-cavitation valving and load checks. As direct-acting valves, they do not require separate pilot pressure supply systems, further minimizing overall hydraulic system cost. They share a common interface pattern with all existing ED series modular directional valves permitting function-to-performance value matching for flow rates down to 4 gpm per section. This variety and flexibility assures machine builders of an optimally specified valve stack – never over-specifying and never over-paying for “unused” performance.

Cranes, AWP’s, waste collection, and agricultural equipment, such as sprayers and small harvesters, can all benefit from the enhanced efficiency and value offered by EDC series valves. Through Rexroth’s load sense technology, from pumps to mobile controls, energy saving opportunities are now available with flow sharing for the compact hydraulic market.

Bosch Rexroth AG is one of the world’s leading specialists in the field of drive and control technologies. Under the brand name of Rexroth the company supplies more than 500,000 customers with tailored solutions for driving, controlling and moving. Bosch Rexroth is a partner for industrial applications and factory automation, mobile applications and renewable energy. As The Drive & Control Company, Bosch Rexroth develops, produces and sells components and systems in more than 80 countries. In 2009 Bosch Rexroth, part of the Bosch Group, achieved sales of around \$5.7 billion (4.1 billion Euro) with 34,200 employees. For more information, please visit: www.boschrexroth-us.com

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