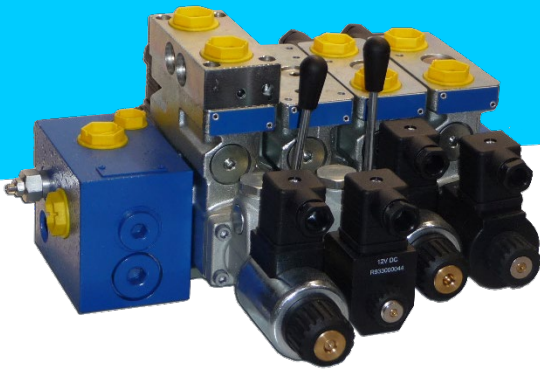


EDC - Modular Directional Valve with flow sharing control



EDC DIRECTIONAL CONTROL BLOCK WITH FLOW DISTRIBUTION INDEPENDENT OF SECONDARY PRESSURE AND AVAILABLE FLOW (LUDV SIZE 6).

CUSTOMER BENEFITS

- Flow sharing system (LUDV concept) size 6, to solve the saturation problems of load-sensing circuits
- Simultaneous movements are allowed
- Load functions can be performed at the same speed independently of working pressure
- Available matching with all ED series
- Direct acting for better stability
- Energy saving
- Simplification of the hydraulic circuit
- Spool positioning sensor optionally available

TECHNICAL DATA

- Flow: up to 60 l/min
- Max pressure: 310 bar
- Operated: electrical on-off or proportional

APPLICATIONS

- Aerial work platforms
- Cranes / Truck mounted cranes
- Harvesters / Agricultural equipment
- Concrete pumps
- Municipal vehicles / Road construction

From Bosch Rexroth Oil Control the innovative Directional Control Block with flow distribution independent of secondary pressure and available flow (LUDV size 6): the EDC.

The EDC modular elements are direct acting, solenoid operated directional spools and integrate on-off or proportional flow sharing control.

Combined in a block, the elements can achieve the simultaneous activation of different actuators (motors or cylinders) by distributing the available flow proportionally to the speeds selected by the operator, independently from the working pressures. All simultaneous movements go on at the same reciprocal speed also in case of flow shortage, solving the problems of flow saturation seen in load-sensing circuits.

The flow range out of each port can be individually calibrated by turning the corresponding adjuster, after loosening the locking nut.

Through the application of the flow sharing technology in a compact solution (size 6), the EDC provides energy savings, simplifies the hydraulic circuits and is ideal for any type of mobile application which require continuous movements.

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