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LIFT CONTROL VALVES



Special designs are made that meet the requirements of our customers 100% by taking into account the specific features and functions of their tractors of each tractor manufacturer.

Our hydraulic lift control valves up to 250 bar pressure and in 5-100 LPM flow rate range are offered to our customers by using versatile design techniques.

Hydraulic lifts should have the ability to control equipment fall speed with position control, draft control, mixed control in which both of them applied simultaneously and float functions. It is the component, hydraulic lift control valve, that directs the oil circulating in the tractor hydraulic system to the cylinder, to the tank or keep the oil in the cylinder in relation to the desired function cylinder To provide these controls

The lift control valve is pressure regulating and flow controlled valve including main spool, lowering valve, relief valve, flow control valve and check valve in one body with a compact design as possible. The valve provides the necessary pressure and constant flow rate to the hydraulic lift piston regardless of the inlet flow rate (engine speed).



Electrical Autolift Design

It is possible to activate the hydraulic lift's mechanism with an electrical signal using the autolift system which

is designed to work together with the control valves



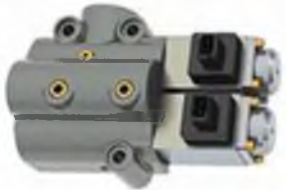
Load Sensing (LS) Design

By using a load sensing system, hydraulic power lift and mobile control valve may be used simultaneously with priority of the hydraulic power lift.



Compact Design

A compact design is achieved by gathering the mechanism components with the other functions on the same valve body.



Electro-hydraulic design

An electro-hydraulic control valve is designed that achieves the raising and lowering functions using proportional solenoid valves.

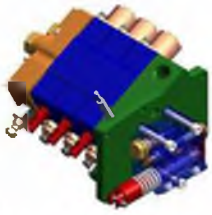


Closed centered design

It is a closed centered design that can work at high pressure and especially used on the construction machines.

Flexible design

Directional control valve sections stacks directly to lift control valve block to provide a flexible design



Simple design

Control valve functions are kept at an adequate level according to customer requirements and unnecessary parts have been eliminated. In this way, a design with low failure rate and high productivity is obtained.

Model	Hydraulic System	Max Working Pressure (bar)	Max Rated Flow (LPM)	Relief Valve Pressure (bar)	Surge Relief	Rate of Drop Valve
KV350	Open Circuit	200	35	-	-	-
KV400	Open Circuit	200	45	-	-	-
KV450	Open Circuit	200	70	-	230 ±5	✓
KV500	Open Circuit	200	75	-	-	-
KV500-Manifold	Closed Circuit	200	75	195 ±5	235 ±5	✓
KV600	Closed Circuit	200	80	195 ±5	240 ±5	✓

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