

Hydro Control HCMV 99

Load Sense Proportional Valve

Hydro Control have developed this valve in particular for the control of lifting machinery. The load sensing system and the proportional electrohydraulic actuation allow for sensitive control and accurate movements. It lends itself to a much wider field of applications than this.

Features include

- Fixed or variable displacement pump supply inlet section. The inlet compensator has a low pressure drop at full flow.
- Customised Spools for every function and thanks to the inlet compensator, different flows can be provided on ports A and B when the spool is singularly operated. Spools with special profiles afford a very high degree of metering for extremely fine actuator movement.
- Compensated work sections. The new (Patented) fully compensated version allows for perfect control and is totally unaffected by load variations and multiple operations
- Proportional electro-hydraulic control integrated on the work sections, provide a very accurate and sensitive open loop directional control. It can be remote controlled, either by cabling or radio. Signal Control Valve, located on the L.S. signal prevents the compensator from resonating in case of pressure fluctuations on the cylinders. This stabilises movements.
- The pressure reducing valve, directly incorporated into the inlet section, supplies low pressure feeding for spool shift, which assures good low pressure performance.
- Electric Load Limit, allows the electronics of the machine to recognise at any time the direction of the spool, and hence whether the directional control valve is feeding port A or B.
- Auxiliary Valves, The working section can house; Direct acting anti-shock valve (adjustable), Pilot operated anti-shock valve (adj.), Anticavitation valve, Combined valve (adj.), Dump valve.



Capacity
130 LPM Flow
420 Bar Pressure



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