ISOLATED DUAL DIRECTIONAL CONROL VALVE

The isolated dual directional control valve (DCV) is used to add functionality to the dirty work pack (DWP), to allow it to control 2 extra functions. These 2 extra functions are controlled by the ROV clean oil solenoids, but are isolated from the DWP oil paths.

Flow Characteristics

Direct-acting sequence valves with reverse-flow check will supply a secondary circuit with flow once the pressure at the inlet has exceeded the valve setting. Additionally, these valves incorporate an integral check valve to provide reverse flow from port 2 (sequence) to port 1 (inlet). The pressure setting of a sequence valve controls the pressure at port 1 relative to the pressure at the drain (port 3).

Features—SCCA

⇒ Flow 60 LPM

⇒ Maximum Operating Pressure: 5000PSI / 350 bar

⇒ Response time—Typical: 2 ms

⇒ Maximum valve leakage at reseal: 0.7cc/min

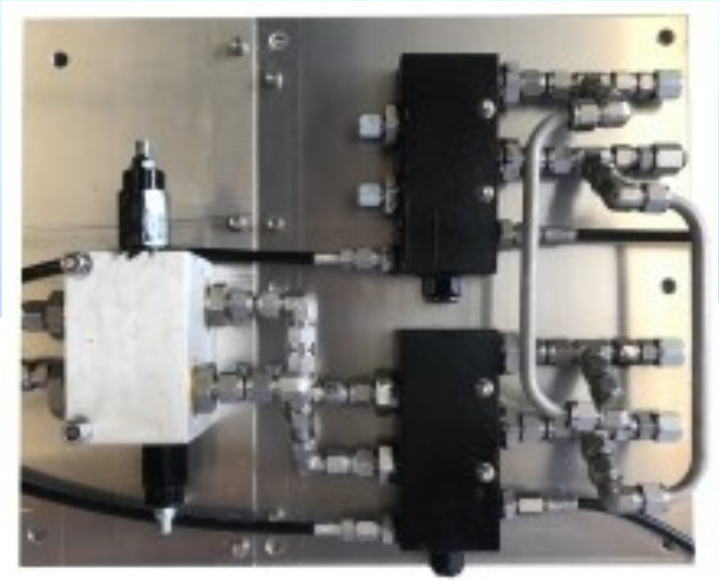
⇒ Check Cracking Pressure: 40PSI / 2.8 bar

Features—DCCC

⇒ Flow: 10 GPM / 37 LPM

⇒ Minimum Pilot Pressure required to Shift Valve: 175PSI / 12 bar

⇒ Maximum Operating Pressure: 5000PSI / 350 bar



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