Motion Control Valves

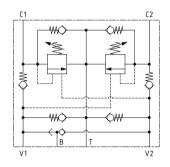
1CEECSH35

Dual Counterbalance Valve, Standard, Direct Acting with Makeup Checks and Shuttle Valve 350 bar [5000 psi] • 30 l/min [8 US gpm]

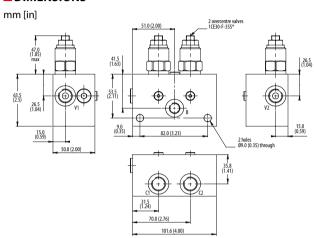


This is a dual motion control and lock valve with a shuttle valve, make up check valves and cross line shock and thermal relief functions built into an HIC. Flow passes through a check valve from V1 to C1 to the actuator and returns through C2 to V2 or to T. Pilot pressure raised before the check valve in line V1 to C1 pilots open the overcenter valve on the outlet of the actuator, providing load control. In the reverse direction, flow passes through a check valve from V2 to C2 to the actuator and returns through C1 to V1 or to T. Pilot pressure raised before the check valve in line V2 to C2 pilots open the overcenter valve on the outlet of the actuator, providing load control. Check valves between T, V1 and V2 provide anti-cavitation protection. A shuttle valve is provided between ports V1 and V2 to provide pressure to remove a spring applied brake.

SCHEMATIC



DIMENSIONS



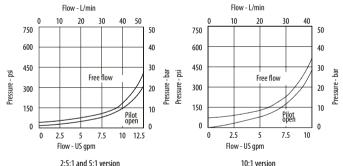
Danfoss

■ PERFORMANCE DATA

| Rated pressure | 350 bar [5000 psi] |
|--|--------------------------|
| Rated flow | 30 l/min [8 US gpm] |
| Max total relief pressure | 350 bar [5000 psi] |
| Max recommended load pressure at max setting | 270 bar [3900 psi] |
| Pilot Ratio | 2.5:1, 5:1, 10:1 |
| Leakage | 0.3 ml/min [5 drops/min] |
| Weight | 2.03 kg [4.5 lb] |

■ PERFORMANCE CURVES

Pressure Drop



MODEL CODE

