

Counterbalance Valves Technical Information

Dual Counterbalance - Hydraulic Vent DCB10-HV

OPERATION

DCB10-HV: Dual counterbalance HIC, 10-size, hydraulic vent. This is an internally piloted, low leakage assembly. The DCB10-HV uses 2 CB10-HV 10-size cartridges and allows free flow from the V port to the C ports and blocks flow in the reverse direction until the relief setting is reached, or until adequate pilot pressure has been applied to the opposite V port.



APPLICATIONS

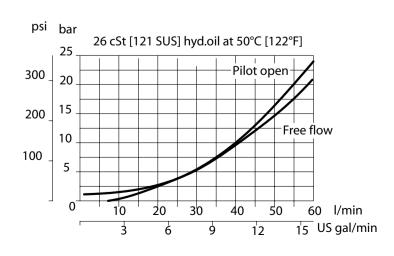
Dual counterbalance HIC's are used for controlling loads in bidirectional motion such as wheel motor applications or for cylinders going over center. They are also suitable for use on the boom and dipper cylinder on an excavator.

SPECIFICATIONS

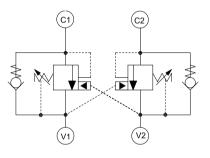
Rated pressure	350 bar [5075 psi]*
Rated flow at 22 bar (319 psi)	60 l/min [16 US gal/min]
Leakage	10 drops/min @ at 70% of
	crack pressure
Weight	0.90 kg [1.98 lb]
Pilot ratio	3.0:1, 4.5:1, 10.0:1
Cavity	CIB

^{* 350} bar with steel housing 210 bar with aluminum housing

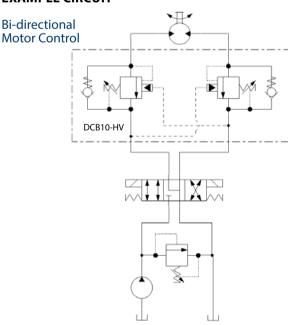
PERFORMANCE



SCHEMATIC



EXAMPLE CIRCUIT



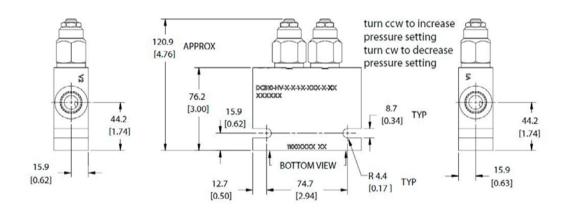


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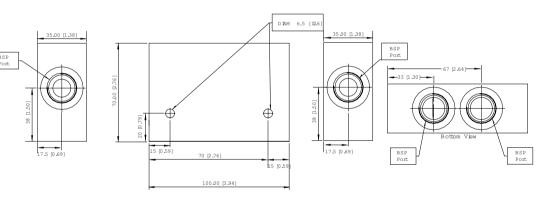
DIMENSIONS





mm [in]

BSP Ported - (Body Only)



ORDERING INFORMATION



