

Counterbalance Valves Catalog Dual Counterbalance - Hydraulic Vent CP441-2

OPERATION

This dual counterbalance, internally piloted catalog HIC is a low leakage assembly with hydraulic vent. This HIC uses 2 CP441-1 12-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

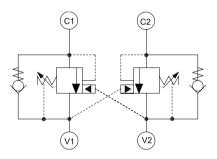
Dual counterbalance HIC's are used for controlling loads in bidirectional motion such as wheel motor applications or for cylinders going over center. They are also suitable for use on the boom and dipper cylinder on an excavator.

SPECIFICATIONS

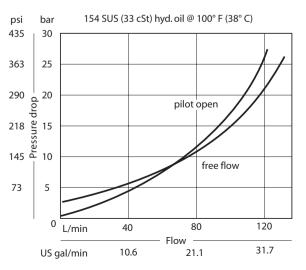
Rated pressure	350 bar [5075 psi]*
Rated flow at 22 bar (319 psi)	115 l/min [30 US gal/min]
Weight	1.26 kg [2.77 lb]
Pilot ratio	3:1, 4.5:1, 10:1
Cavity	CIB

* 350 bar with steel housing 210 bar with aluminum housing

SCHEMATIC



PERFORMANCE

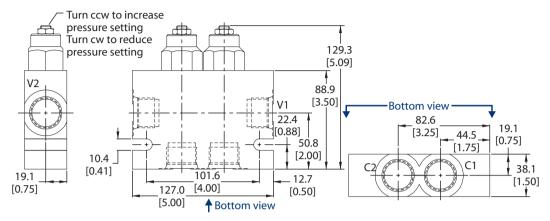




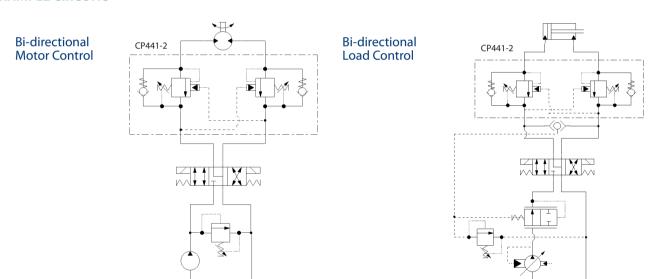
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DIMENSIONS

mm [in]



EXAMPLE CIRCUITS



ORDERING INFORMATION

