

Counterbalance Valves Catalog Dual Counterbalance - Hydraulic Vent DCB20-HV

OPERATION

DCB20-HV: Dual counterbalance HIC, 20-size, hydraulic vent. This HIC is low leakage and internally piloted. The DCB20-HV uses 2 CB20-HV 20-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

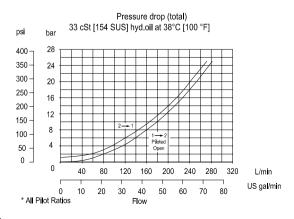
Use dual counterbalance HIC's for controlling loads in bidirectional motion such as wheel motor applications or for cylinders going over center. They are also suitable for use on the boom and dipper cylinder on an excavator.

SPECIFICATIONS

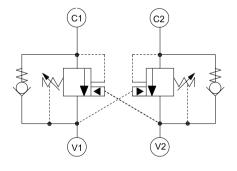
Rated pressure	350 bar [5075psi]*
Rated flow at	266 l/min [70 US gal/min]
22 bar (319 psi)	
Leakage	10 drops/min @ at 70% of
	crack pressure
Weight	Aluminum 5.59 kg [12.59 lb]
	Ductile 10.68 kg [23.55 lb]
Pilot ratio	3.0:1, 4.5:1, 10.0:1
Cavity	CIB

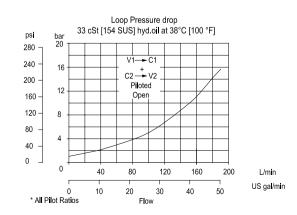
^{* 350} bar with steel housing

PERFORMANCE



SCHEMATIC





²¹⁰ bar with aluminum housing

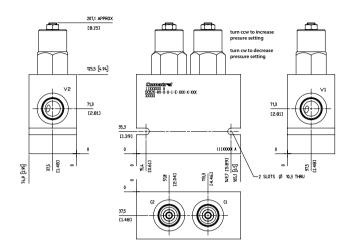


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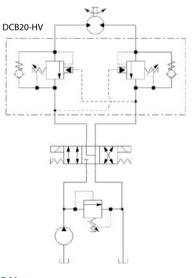
DIMENSIONS

mm [in]

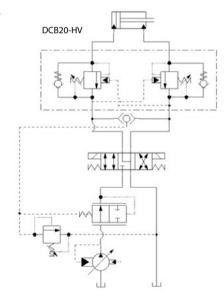


EXAMPLE CIRCUITS

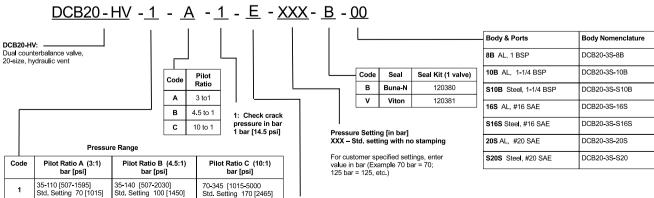
Bi-directional Counterbalance







ORDERING INFORMATION



Adjustment type E external adjustment

100-345 [1450-5000] Std. Setting 200 [2900]

100-210 [1450-3045] Std. Setting 170 [2465]