

Counterbalance Valves Catalog Dual Counterbalance - Atmospheric Vent VCB12-CN-DL

## **OPERATION**

The VCB12-CN-DL is a dual counterbalance HIC, 12-size metric, nose to nose design with atmoshperic vent. This catalog HIC allows free flow from the V ports 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

Atmospherically vented valves are applied when it is not practical to connect a separate vent line to the tank. Use dual counterbalance HIC's for controlling loads in bidirectional motion such as wheel motor applications or for cylinders going over center.

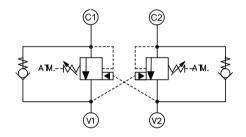
## SPECIFICATIONS

Rated pressure	350 bar [5075 psi]*
Rated flow at 22 bar (319 psi )	140 l/min [37 US gal/min]
Weight	2.92 kg [6.45 lb]
Pilot ratio	4.7:1, 5.9:1, 6.9:1
Cavity	CIB

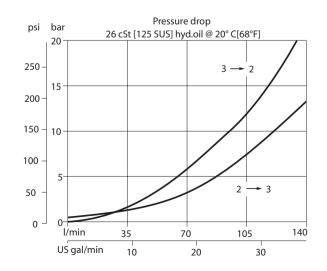
\* 350 bar with steel housing

210 bar with aluminum housing

# SCHEMATIC



### PERFORMANCE



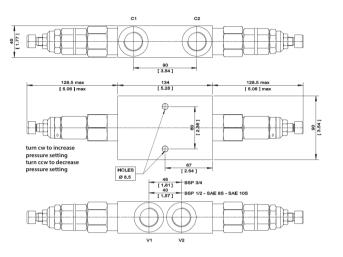
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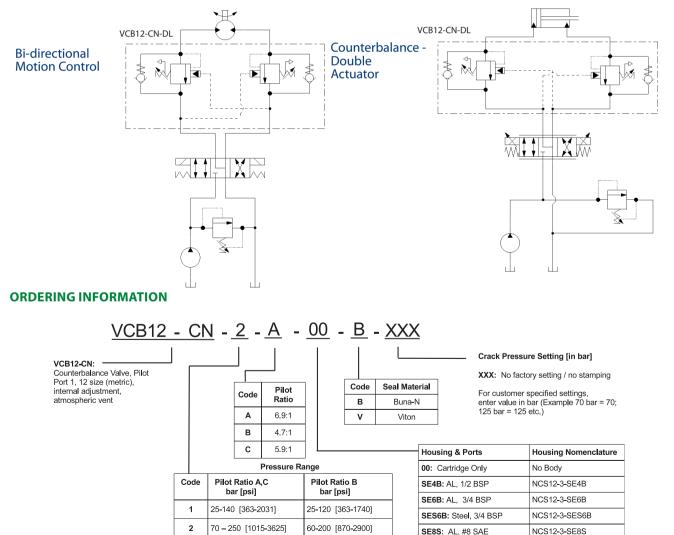
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#### DIMENSIONS

mm [in]



### **EXAMPLE CIRCUITS**



90-280 [1305-4060]

SE12S: AL, #12 SAE

3

105 - 350 [1523-5075]

NCS12-3-SE12S