

Counterbalance Valves Catalog Dual Counterbalance - Hydraulic Vent VCB12-EN-DL

## **OPERATION**

The VCB12-EN-DL is a dual counterbalance HIC, 12-size metric, hydraulically vented, internally-piloted, low leakage, with a nose to nose design. 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**

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 [5075 psi]*
Rated flow at 22 bar (319 psi )	140 l/min [37 US gal/min]
Leakage	10 drops/min @ at 70% of
	crack pressure
Weight	2.54 kg [5.60 lb]
Pilot ratio	4.7:1, 5.9:1, 6.9:1
Cavity	CIB

\* 350 bar with steel housing

210 bar with aluminum housing

#### PERFORMANCE

## SCHEMATIC









