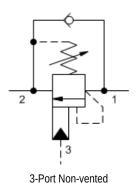
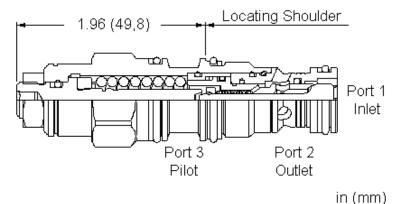


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Counterbalance valves with pilot assist are meant to control an overrunning load. The check valve allows free flow from the directional valve (port 2) to the load (port 1) while a direct-acting, pilot-assisted relief valve controls flow from port 1 to port 2. Pilot assist at port 3 lowers the effective setting of the relief valve at a rate determined by the pilot ratio.

Other names for this valve include motion control valve and over-center valve.

TECHNICAL DATA

NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

Pilot Ratio	10:1
Maximum Recommended Load Pressure at Maximum Setting	270 bar
Maximum Setting	350 bar
Factory Pressure Settings Established at	30 cc/min.
Maximum Valve Leakage at Reseat	0,3 cc/min.
Adjustment - Number of Counterclockwise Turns to Increase Setting	3.75
Reseat	>85% of setting
Locknut Hex Size	15 mm
Locknut Torque	9 - 10 Nm
Seal kit - Cartridge	Buna: 990011007
Seal kit - Cartridge	Polyurethane: 990011002
Seal kit - Cartridge	Viton: 990011006

CONFIGURATION OPTIONS

Model Code Example: CBAHLJN

	Adjustment

C Tamper Resistant - Factory Set

CONTROL

(L) FUNCTIONAL SETTING RANGE 2000 - 5000 psi w/25 psi Check (140 -

- 350 bar w/ 1,7 bar Check), 3000 psi (210 bar) Standard Setting
- C 2000 5000 psi w/4 psi Check (140 -350 bar w/ 0,3 bar Check), 3000 psi (210 bar) Standard Setting
- D 1000 2500 psi w/4 psi Check (70 -175 bar w/ 0,3 bar Check), 2000 psi (140 bar) Standard Setting
- K 1000 2500 psi w/25 psi Check (70 -175 bar w/ 1,7 bar Check), 2000 psi (140 bar) Standard Setting

(J) SEAL MATERIAL N Buna-N

V Viton

Standard Material/Coating

(N) MATERIAL/COATING

IAP Stainless Steel, Passivated **/LH** Mild Steel, Zinc-Nickel