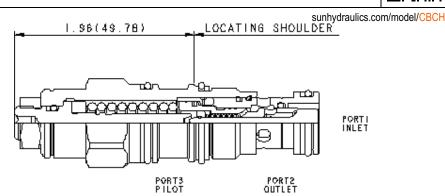


3-Port Non-vented

CONFIGURATION

L	Control	Standard Screw Adjustment	~
К	Functional Setting Range	1000 - 2500 psi w/25 psi Check (70 - 175 bar w/ 1,7 bar Check), 2000 psi (140 bar) Standard Setting	T
٧	Seal Material	Viton	· _
(nor	ne) Material/Coating	Standard Material/Coating	



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	3850 psi	
Maximum Setting	5000 psi	
Factory Pressure Settings Established at	2 in³/min.	
Maximum Valve Leakage at Reseat	5 drops/min.	
Adjustment - No. of CCW Turns from Min. to Max. Setting	3.75	
Reseat	>85% of setting	
Locknut Hex Size	9/16 in.	
Locknut Torque	80 - 90 lbf in.	
Seal kit - Cartridge	Buna: 990011007	
Seal kit - Cartridge	EPDM: 990011014	
Seal kit - Cartridge	Polyurethane: 990011002	
Seal kit - Cartridge	Viton: 990011006	

CONFIGURATION OPTIONS

Model Code Example: CBCHLKV

CONTROL	(L)	FUNCTIONAL SETTING RANGE (K)	SEAL MATERIAL (V)	MATERIAL/COATING
L Standard Screw Adjustment C Tamper Resistant - Factory Set		 K 1000 - 2500 psi w/25 psi Check (70 - 175 bar w/ 1,7 bar Check), 2000 psi (140 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 	V Viton E EPDM N Buna-N	Standard Material/Coating /AP Stainless Steel, Passivated /LH Mild Steel, Zinc-Nickel
		J 2000 - 5000 psi w/25 psi Check (140 - 350 bar w/ 1,7 bar Check), 3000 psi (210 bar) Standard Setting		