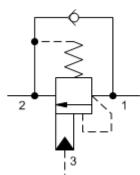
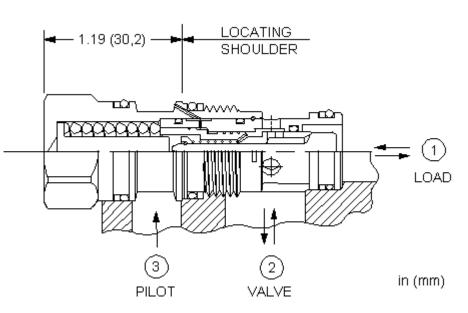




sunhydraulics.com/model/CBCHX



3-Port Non-vented, Fixed Setting



Fixed-setting, 3-port counterbalance valves with pilot-assist function similarly to the adjustable versions except the fixed setting is pre-set to a nominal value. These fixed-setting valves 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	See Technical Features
Check Cracking Pressure	25 psi
Factory Pressure Settings Established at	2 in³/min.
Maximum Valve Leakage at Reseat	5 drops/min.
Seal kit - Cartridge	Buna: 990-011-007
Seal kit - Cartridge	Polyurethane: 990-011-002
Seal kit - Cartridge	Viton: 990-011-006

## CONFIGURATION OPTIONS

FIXED PRESSURE RANGE

- M 4700 5600 psi (325 390 bar)
- V 3200 3800 psi (220 260 bar)
- X 3500 4200 psi (245 290 bar)
- **Z** 4125 4900 psi (285 340 bar)
- N Buna-N

(M)

Model Code Example: CBCHXMN

SEAL MATERIAL

## E EPDM

V Viton

(N) MATERIAL/COATING

	Standard Material/Coating
/AP	Stainless Steel. Passivated

/LH Mild Steel, Zinc-Nickel