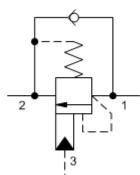
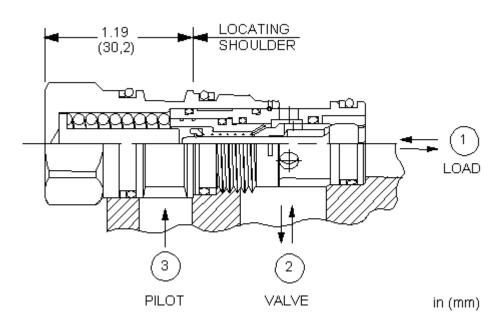




sunhydraulics.com/model/CBBDX



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	4.5:1
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	EPDM: 990-011-014
Seal kit - Cartridge	Polyurethane: 990-011-002
Seal kit - Cartridge	Viton: 990-011-006

CONFIGURATION OPTIONS FIXED PRESSURE RANGE

Model Code Example: CBBDXMNV

(M) SEAL MATERIAL

- (V) MATERIAL/COATING
- Μ 4700 - 5600 psi (325 - 390 bar) ٧ Viton Standard Material/Coating EPDM 3200 - 3800 psi (220 - 260 bar) /AP Stainless Steel, Passivated ۷ Е Х 3500 - 4200 psi (245 - 290 bar) Ν Buna-N Ζ 4125 - 4900 psi (285 - 340 bar)