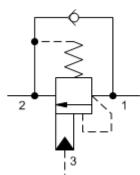
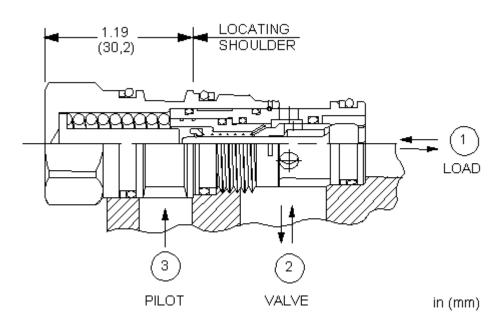




sunhydraulics.com/model/CBBDX



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)