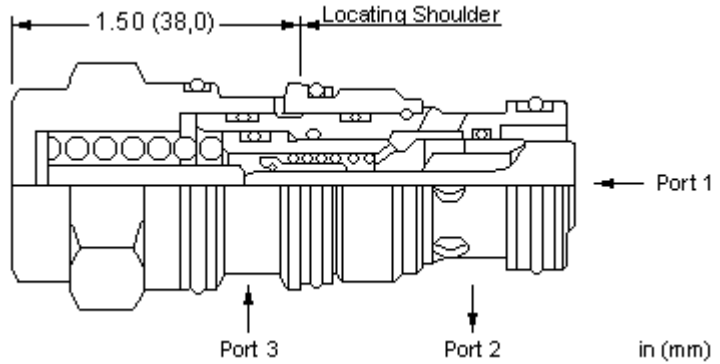


3-Port Non-vented, Fixed Setting



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 at Maximum Setting	3850 psi
Maximum Setting	5000 psi
Factory Pressure Settings Established at	2 in <sup>3</sup> /min.
Maximum Valve Leakage at Reseat	5 drops/min.
Reseat	>85% of setting
Seal kit - Cartridge	Buna: 990-202-007
Seal kit - Cartridge	Polyurethane: 990-002-002
Seal kit - Cartridge	Viton: 990-202-006

**CONFIGURATION OPTIONS**

**Model Code Example: CBDGXMN**

**FIXED PRESSURE RANGE**

**(M) SEAL MATERIAL**

**(N) MATERIAL/COATING**

<b>M</b> 4700 - 5600 psi (325 - 390 bar)	<b>N</b> Buna-N	Standard Material/Coating
<b>V</b> 3200 - 3800 psi (220 - 260 bar)	<b>V</b> Viton	<b>/LH</b> Mild Steel, Zinc-Nickel
<b>X</b> 3500 - 4200 psi (245 - 290 bar)		
<b>Z</b> 4125 - 4900 psi (285 - 340 bar)		