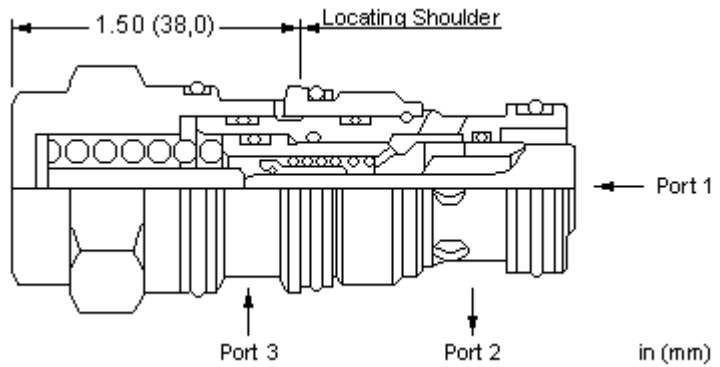


3-Port Non-vented, Fixed Setting



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 at Maximum Setting	3850 psi
Maximum Setting	5000 psi
Factory Pressure Settings Established at	2 in ³ /min.
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: CBDHXMNV

FIXED PRESSURE RANGE

(M)

SEAL MATERIAL

(N)

MATERIAL/COATING

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

V Viton

Standard Material/Coating

/LH Mild Steel, Zinc-Nickel