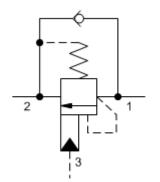
Fixed setting, 4.5:1 pilot ratio, restrictive counterbalance valve

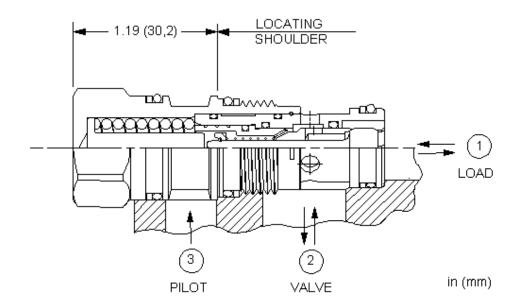
CAPACITY: 5 gpm / CAVITY: T-11A



sunhydraulics.com/model/CBBGX



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 overcenter 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	Polyurethane: 990-011-002
Seal kit - Cartridge	Viton: 990-011-006

CONFIGURATION OPTIONS

Model Code Example: CBBGXMNV

FIXED PRESSURE RANGE

(M) SEAL MATERIAL

N) MATERIAL/COATING

M	4700 - 5600 psi (325 - 390 bar)
٧	3200 - 3800 psi (220 - 260 bar)

X 3500 - 4200 psi (245 - 290 bar)

2 4125 - 4900 psi (285 - 340 bar)

N Buna-N
V Viton

Standard Material/Coating

on /LH Mild Steel, Zinc-Nickel

©2024 Sun Hydraulics 1 of 1