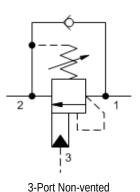
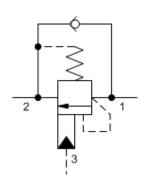


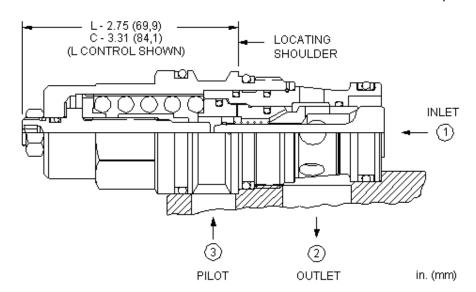
snhy.com/CBGY



sun hydraulics



3-Port Non-vented, Fixed Setting



Counterbalance valves with pilot assist 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 | 2:1 |
|---|-------------------------|
| Maximum Recommended Load Pressure at Maximum Setting | 215 bar |
| Maximum Setting | 280 bar |
| Factory Pressure Settings Established at | 30 cc/min. |
| Maximum Valve Leakage at Reseat | 0,3 cc/min. |
| Adjustment - Number of Counterclockwise Turns to Increase Setting | 3.75 |
| Reseat | >85% of setting |
| Locknut Hex Size | 15 mm |
| Locknut Torque | 9 - 10 Nm |
| Seal kit - Cartridge | Buna: 990017007 |
| Seal kit - Cartridge | Polyurethane: 990017002 |
| Seal kit - Cartridge | Viton: 990017006 |

CONFIGURATION OPTIONS

Model Code Example: CBGYLHN

CONTROL (L) FUNCTIONAL SETTING RANGE (H) SEAL MATERIAL (N) MATERIAL/COATING

L Standard Screw AdjustmentC Tamper Resistant - Factory Set

H 1000 - 4000 psi w/25 psi Check (70 -280 bar w/ 1,7 bar Check), 3000 psi (210 bar) Standard Setting

N Buna-N V Viton

Standard Material/Coating IAP Stainless Steel, Passivated ILH Mild Steel, Zinc-Nickel

- A 1000 4000 psi w/4 psi Check (70 -280 bar w/ 0,3 bar Check), 3000 psi (210 bar) Standard Setting
 - **B** 400 1500 psi w/4 psi Check (28 105 bar w/ 0,3 bar Check), 1000 psi (70

Daij Stanuaru Setting

 400 - 1500 psi w/25 psi Check (28 -105 bar w/ 1,7 bar Check), 1000 psi (70 bar) Standard Setting