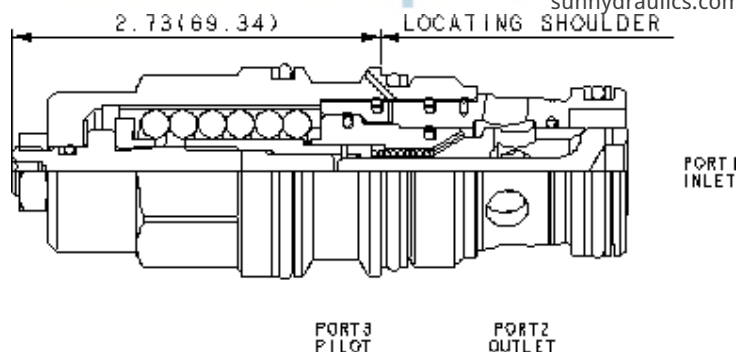


3-Port Non-vented



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.

## CONFIGURATION

| L      | Control                  | Standard Screw Adjustment                                                                            |
|--------|--------------------------|------------------------------------------------------------------------------------------------------|
| J      | Functional Setting Range | 2000 - 5000 psi w/25 psi Check (140 - 350 bar w/ 1,7 bar Check), 3000 psi (210 bar) Standard Setting |
| N      | Seal Material            | Buna-N                                                                                               |
| (none) | Material/Coating         |                                                                                                      |

## TECHNICAL DATA

NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

|                                                         |                         |
|---------------------------------------------------------|-------------------------|
| Pilot Ratio                                             | 4.5:1                   |
| Maximum Recommended Load Pressure at Maximum Setting    | 270 bar                 |
| Maximum Setting                                         | 350 bar                 |
| Factory Pressure Settings Established at                | 30 cc/min.              |
| Maximum Valve Leakage at Reseat                         | 0,3 cc/min.             |
| Adjustment - No. of CCW Turns from Min. to Max. 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                                    | EPDM: 990017014         |
| Seal kit - Cartridge                                    | Polyurethane: 990017002 |
| Seal kit - Cartridge                                    | Viton: 990017006        |

## CONFIGURATION OPTIONS

Model Code Example: CBGGLJN

| CONTROL                          | (L) FUNCTIONAL SETTING RANGE (J)                                                                       | SEAL MATERIAL | (N) MATERIAL/COATING            |
|----------------------------------|--------------------------------------------------------------------------------------------------------|---------------|---------------------------------|
| L Standard Screw Adjustment      | J 2000 - 5000 psi w/25 psi Check (140 - 350 bar w/ 1,7 bar Check), 3000 psi (210 bar) Standard Setting | N Buna-N      | Standard Material/Coating       |
| C Tamper Resistant - Factory Set | C 2000 - 5000 psi w/4 psi Check (140 - 350 bar w/ 0,3 bar Check), 3000 psi (210 bar) Standard Setting  | E EPDM        | /AP Stainless Steel, Passivated |
|                                  | D 1000 - 2500 psi w/4 psi Check (70 - 175 bar w/ 0,3 bar Check), 2000 psi (140 bar) Standard Setting   | V Viton       | /LH Mild Steel, Zinc-Nickel     |
|                                  | K 1000 - 2500 psi w/25 psi Check                                                                       |               |                                 |



МАГАЗИН ГИДРАВЛИКИ  
RM316.RU

(70 - 175 bar w/ 1,7 bar Check),  
2000 psi (140 bar) Standard  
Setting

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