



Load reactive, load control valves with pilot assist combine two valves; a check valve and a relief valve. 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.

**TECHNICAL DATA**

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

|   |                         |
|---|-------------------------|
| Pilot Ratio   | 1.5:1                   |
| Maximum Recommended Load Pressure at Maximum Setting    | 260 bar                 |
| Maximum Setting   | 350 bar                 |
| Factory Pressure Settings Established at                | 30 cc/min.              |
| Maximum Valve Leakage at Reseat                         | 0,3 cc/min.             |
| Check Cracking Pressure                                 | 1,7 bar                 |
| Adjustment - No. of CCW Turns from Min. to Max. Setting | 9                       |
| 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: MBGBLHN**

| CONTROL                     | (L) FUNCTIONAL SETTING RANGE  | (H) SEAL MATERIAL   | (N) MATERIAL/COATING   |
|-----------------------------|---|---------------------|--|
| L Standard Screw Adjustment | H 1000 - 4000 psi (70 - 280 bar), 3000 psi (210 bar) Standard Setting<br>J 2000 - 5000 psi (140 - 350 bar), 3000 psi (210 bar) Standard Setting | N Buna-N<br>V Viton | Standard Material/Coating<br>/AP Stainless Steel, Passivated |