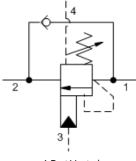
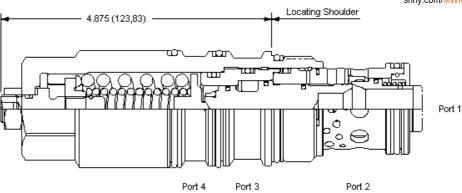


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<mark>sun</mark> hydraulics

4-Port Vented



Vented, 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. Backpressure at port 2 does not affect the valve setting because the spring chamber references the vent (port 4).

## **TECHNICAL DATA**

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

| Pilot Ratio   | 4.5:1                   |  |
|---|-------------------------|--|
| 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 | 8.5                     |  |
| Reseat  | >85% of setting         |  |
| Locknut Hex Size  | 19,1 mm                 |  |
| Locknut Torque  | 35 - 40 Nm              |  |
| Seal kit - Cartridge                                    | Buna: 990024007         |  |
| Seal kit - Cartridge                                    | Polyurethane: 990024002 |  |
| Seal kit - Cartridge                                    | Viton: 990024006        |  |

## **CONFIGURATION OPTIONS**

## Model Code Example: MWIGLHN

| 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 N Buna-N   J 2000 - 5000 psi (140 - 350 bar), 3000 psi (210 bar) Standard Setting V Viton | Standard Material/Coating<br>/AP Stainless Steel, Passivated<br>/LH Mild Steel, Zinc-Nickel |