



Vented, balanced load control valves combine a balanced modulating element with a reverse flow check. The check valve allows free flow from the directional valve (port 2) to the load (port 1) while the pilot to open modulating element controls flow from port 1 to port 2. Pilot pressure at port 3 determines the flow setting. Backpressure at port 2 does not affect the flow setting because the spring chamber references the vent (port 4).

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

|                                 |                           |
|---------------------------------|---------------------------|
| Maximum Operating Pressure      | 5000 psi                  |
| Check Cracking Pressure         | 25 psi                    |
| Maximum Valve Leakage at Reseat | See Technical Features    |
| Seal kit - Cartridge            | Buna: 990-024-007         |
| Seal kit - Cartridge            | Polyurethane: 990-024-002 |
| Seal kit - Cartridge            | Viton: 990-024-006        |

**CONFIGURATION OPTIONS**

**Model Code Example: MWIMXHIN**

| CONTROL                 | (X) | MINIMUM CONTROL PRESSURE    | (H) | SEAL MATERIAL   | (N) | MATERIAL/COATING                       |
|-------------------------|-----|-----------------------------|-----|-----------------|-----|--|
| <b>X</b> Not Adjustable |     | <b>H</b> 200 psi (14 bar)   |     | <b>N</b> Buna-N |     | Standard Material/Coating              |
|                         |     | <b>E</b> 75 psi (5 bar)     |     | <b>E</b> EPDM   |     | <b>/AP</b> Stainless Steel, Passivated |
|                         |     | <b>G</b> 150 psi (10,5 bar) |     | <b>V</b> Viton  |     |  |
|                         |     | <b>I</b> 300 psi (20 bar)   |     |                 |     |  |
|                         |     | <b>K</b> 450 psi (33 bar)   |     |                 |     |  |
|                         |     | <b>M</b> 525 psi (36,7 bar) |     |                 |     |  |