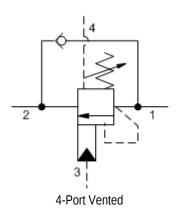


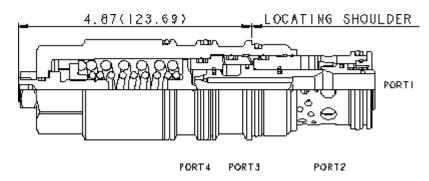
MODEL MWIG Vented, 4.5:1 pilot ratio, load reactive, load control valve

CAPACITY: 120 gpm / CAVITY: T-24A



sunhydraulics.com/model/MWIG





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.

Maximum Operating Pressure	5000 psi
Pilot Ratio	4.5:1
Maximum Recommended Load Pressure	See Technical Features
Adjustment - No. of CCW Turns from Min. to Max. Setting	8.5
Check Cracking Pressure	25 psi
Factory Pressure Settings Established at	2 in³/min.
Maximum Valve Leakage at Reseat	5 drops/min.
Reseat	≥77% of setting
Locknut Hex Size	3/4 in.
Locknut Torque	25 - 30 lbf ft
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: MWIGLHN

CONTROL (L)

FUNCTIONAL SETTING RANGE

SEAL MATERIAL

N) MATERIAL/COATING

Standard Screw Adjustment

H 1000 - 4000 psi (70 - 280 bar), 3000 psi (210 bar) Standard Setting

J 2000 - 5000 psi (140 - 350 bar), 3000 psi (210 bar) Standard Setting N Buna-N V Viton

Standard Material/Coating

IAP Stainless Steel, Passivated

ILH Mild Steel, Zinc-Nickel

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