

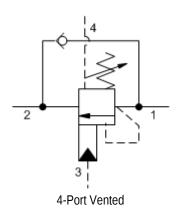


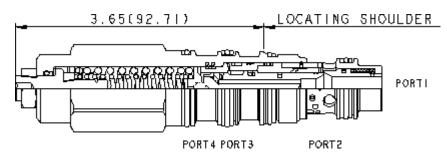
Vented, 3:1 pilot ratio, load reactive, load control valve

CAPACITY: 30 gpm / CAVITY: T-22A



sunhydraulics.com/model/MWEA





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, pilotassisted 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	3:1
Maximum Recommended Load Pressure	See Technical Features
Adjustment - No. of CCW Turns from Min. to Max. Setting	9
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	9/16 in.
Locknut Torque	80 - 90 lbf in.
Seal kit - Cartridge	Buna: 990-022-007
Seal kit - Cartridge	Polyurethane: 990-022-002
Seal kit - Cartridge	Viton: 990-022-006

## **CONFIGURATION OPTIONS** CONTROL

Model Code Example: MWEALHN (L)

**FUNCTIONAL SETTING RANGE** 

**SEAL MATERIAL** 

MATERIAL/COATING

Standard Screw Adjustment

Tamper Resistant - Factory Set

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

N Buna-N Viton

/AP Stainless Steel, Passivated

Standard Material/Coating

2000 - 5000 psi (140 - 350 bar), 3000 psi (210 bar) Standard Setting

Mild Steel, Zinc-Nickel /LH

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