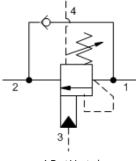
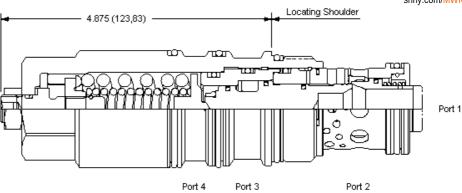


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<mark>sun</mark> hydraulics

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 /AP Stainless Steel, Passivated /LH Mild Steel, Zinc-Nickel