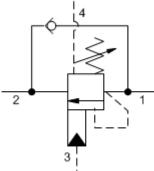
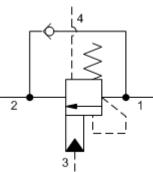


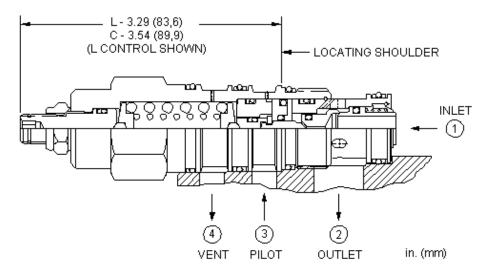


sunhydraulics.com/model/CWEK





4-Port Vented, Non-adjustable



Vented counterbalance valves with pilot assist are meant to control an overrunning load. 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). Other names for this valve include motion control valve and over-center valve.

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

Pilot Ratio	1:1	
Maximum Recommended Load Pressure at Maximum Setting	3075 psi	
Maximum Setting	4000 psi	
Adjustment - No. of CCW Turns from Min. to Max. Setting	5	
Check Cracking Pressure	25 psi	
Factory Pressure Settings Established at	2 in³/min.	
Maximum Valve Leakage at Reseat	5 drops/min.	
Reseat	>85% 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

Standard	SCIEW A	djustment
olunuuru	001011/	ajustinent

- С Tamper Resistant - Factory Set
- Model Code Example: CWEKLHNV

1000 - 4000 psi (70 - 280 bar), 3000

400 - 1500 psi (28 - 105 bar), 1000

psi (210 bar) Standard Setting

psi (70 bar) Standard Setting

FUNCTIONAL SETTING RANGE (L)

Н

L

(H)

v Viton

SEAL MATERIAL

N Buna-N

MATERIAL/COATING (N)

/LH Mild Steel, Zinc-Nickel

4-Port Vented

Standard Material/Coating