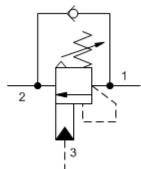
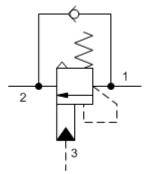




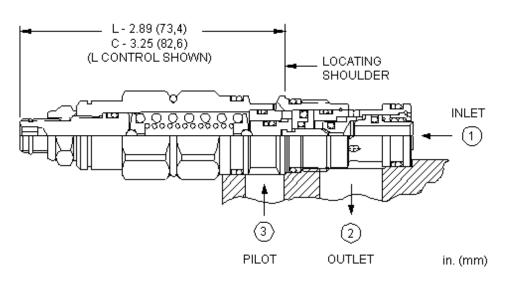
sunhydraulics.com/model/CACA



3-Port Atmospherically Referenced



3-Port Atmospherically Referenced, Nonadjustable



Atmospherically 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, 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 is atmospherically referenced. Other names for this valve include motion control valve and overcenter valve.

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

Pilot Ratio	3:1	
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	40 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: 990-211-007	
Seal kit - Cartridge	Viton: 990-211-006	

CONFIGURATION OPTIONS

CONTROL

L	Standard	Screw	Adjustment	

Tamper Resistant - Factory Set С

Model	Code	Example	e: CACA	
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FUNCTIONAL SETTING RANGE

(L)

- 1000 4000 psi (70 280 bar), 3000 Н psi (210 bar) Standard Setting
- 400 1500 psi (28 105 bar), 1000 Т psi (70 bar) Standard Setting

SEAL MATERIAL

Buna-N

Ν

٧ Viton

(H)

(N)

MATERIAL/COATING

- Standard Material/Coating /AP Stainless Steel, Passivated
- /LH Mild Steel, Zinc-Nickel