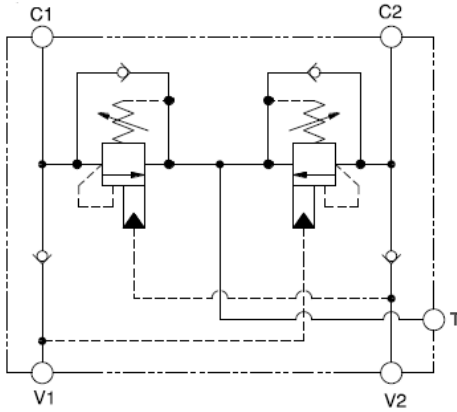




[sunhydraulics.com/model/YCGD](http://sunhydraulics.com/model/YCGD)

This valve assembly provides overrunning load-control, load-port relief protection, supplies make-up oil, and flushes hot dirty oil out of the actuator. All oil coming out of the actuator returns to tank through port T.



**TECHNICAL DATA**

NOTE:  
DATA MAY VARY BY

Body Type	Line mount
Capacity	60 gpm
Mounting Hole Diameter	.53 in.
Mounting Hole Depth	Through
Mounting Hole Quantity	2

**CONFIGURATION**

- NOTES:**
- Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a functional secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.
  - Seal Material: For detailed information regarding the cartridges contained in this assembly, click on the models codes shown in the Included Components tab.
  - Pilot Ratio (4th Letter) of Primary Cartridge
  - Port and Material Designation

CONFIGURATION. SEE CONFIGURATION SECTION.

OPTION SELECTION EXAMPLE: YCGDHAN

CONTROL	(L) FUNCTIONAL SETTING RANGE	(I) SEAL MATERIAL	(V)	
L Standard Screw Adjustment	I 400 - 1500 psi w/25 psi Check (28 - 105 bar w/ 1,7 bar Check), 1000 psi (70 bar) Standard Setting	V Viton		
C Tamper Resistant - Factory Set		N Buna-N		
		A 1000 - 4000 psi w/4 psi Check (70 - 280 bar w/ 0,3 bar Check), 3000 psi (210 bar) Standard Setting		
		B 400 - 1500 psi w/4 psi Check (28 - 105 bar w/ 0,3 bar Check), 1000 psi (70 bar) Standard Setting		
	H 1000 - 4000 psi w/25 psi Check (70 - 280 bar w/ 1,7 bar Check), 3000 psi (210 bar) Standard Setting			

PRIMARY CARTRIDGE	(A)
A 3:1 (with CBGA primary cartridge, 3:1 pilot ratio, standard capacity counterbalance valve)	
H 10:1 (with CBGH primary cartridge, 10:1 pilot ratio, standard capacity counterbalance valve)	
G 4.5:1 (with CBGG primary cartridge, 4.5:1 pilot ratio, standard capacity counterbalance valve)	

TECHNICAL FEATURES

- The counterbalance valves should be set at 1.3 times the maximum load induced pressure.
- The term cushion in the name Cushion Lock is a misnomer. Because the counterbalance valves play a dual role as load controls and work port reliefs they must be set too high to provide any real cushion. Deceleration can only be achieved by ramping down the input flow.
- This assembly is ideal for applications with long lines to the actuators. Mounting the assembly close to an actuator ensures that cool, clean oil will be supplied to the actuator and that the hot, dirty oil will go out the T port to the tank
- These packages are also available as 3 letter manifolds. Look under counterbalance.