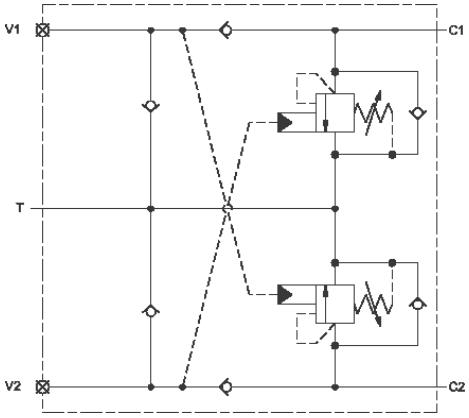
MODEL

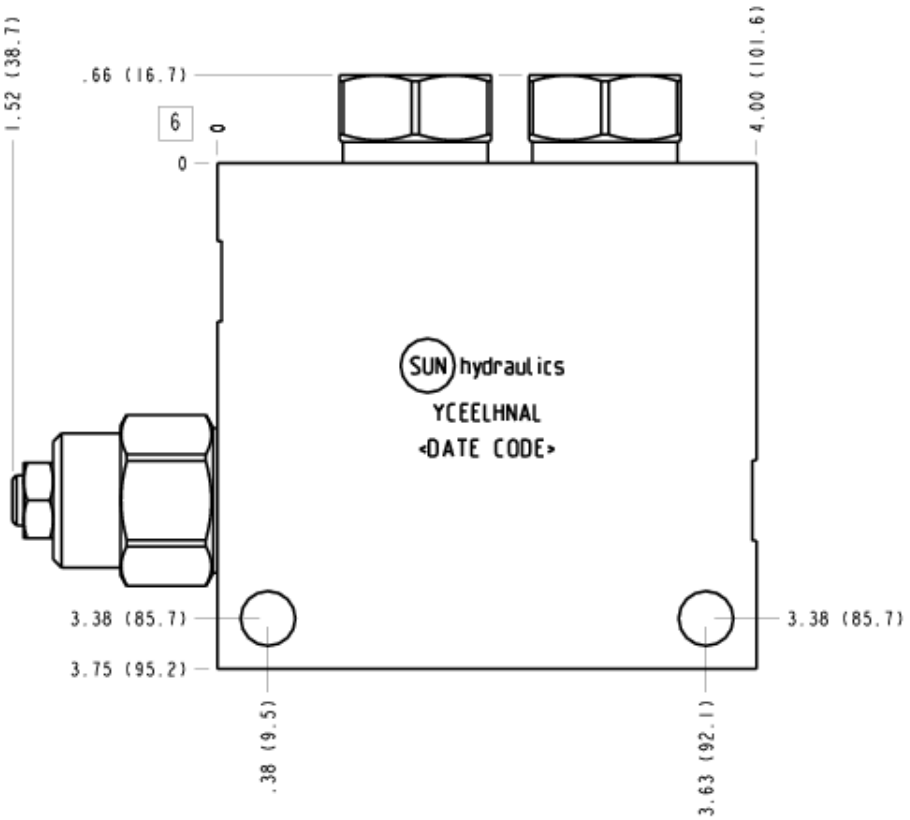
YCEE

Dual cushion lock assembly with anti-cavitation checks

CAPACITY: 30 gpm

sunhydraulics.com/model/YCEE





This valve assembly provides overrunning load-control and load-port relief protection, Connecting the T port is optional and will supply make-up oil and may flush hot dirty oil out of the actuator. Oil coming out of the actuator may return to tank through either port T or the directional valve.

TECHNICAL DATA

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

Body Type	Line mount
Capacity	30 gpm
Mounting Hole Diameter	.41 in.
Mounting Hole Depth	Through
Mounting Hole Quantity	2

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 secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.
- For detailed information regarding the cartridges contained in this assembly, click on the models codes shown in the Included Components tab.

OPTION SELECTION EXAMPLE: YCEELHNAL

CONTROL	(L)
L	Standard Screw Adjustment

FUNCTIONAL SETTING RANGE	(H)
H	1000 - 4000 psi w/25 psi Check (70 - 280 bar w/ 1,7 bar Check), 3000 psi (210 bar) Standard Setting
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
I	400 - 1500 psi w/25 psi Check (28 - 105 bar w/ 1,7 bar Check), 1000 psi (70 bar) Standard Setting

SEAL MATERIAL	(N)
N	Buna-N
V	Viton

PRIMARY CARTRIDGE	(A)
A	3:1 (with CBEA primary cartridge, 3:1 pilot ratio, standard capacity counterbalance valve)
H	10:1 (with CBEHX primary cartridge,)
Y	2:1 (with CBEYX primary cartridge, Fixed setting, 2:1 pilot ratio, standard capacity counterbalance valve)
G	4.5:1 (with CBEGX primary cartridge, Fixed setting, 4.5:1 pilot ratio, standard capacity counterbalance valve)
A	3:1 (with CBEAX primary cartridge, Fixed setting, 3:1 pilot ratio, standard capacity counterbalance valve)
Y	2:1 (with CBEY primary cartridge, 2:1 pilot ratio, standard capacity counterbalance valve)
H	10:1 (with CBEH primary cartridge, 10:1 pilot ratio, standard capacity counterbalance valve)
G	4.5:1 (with CBEG primary cartridge, 4.5:1 pilot ratio, standard capacity counterbalance valve)

INCLUDED COMPONENTS

Part	Description	Quantity
CBEALHN	Cartridge - Primary	2
CXEDXAN	Cartridge	2
CXFAXAN	Cartridge	2

TECHNICAL FEATURES

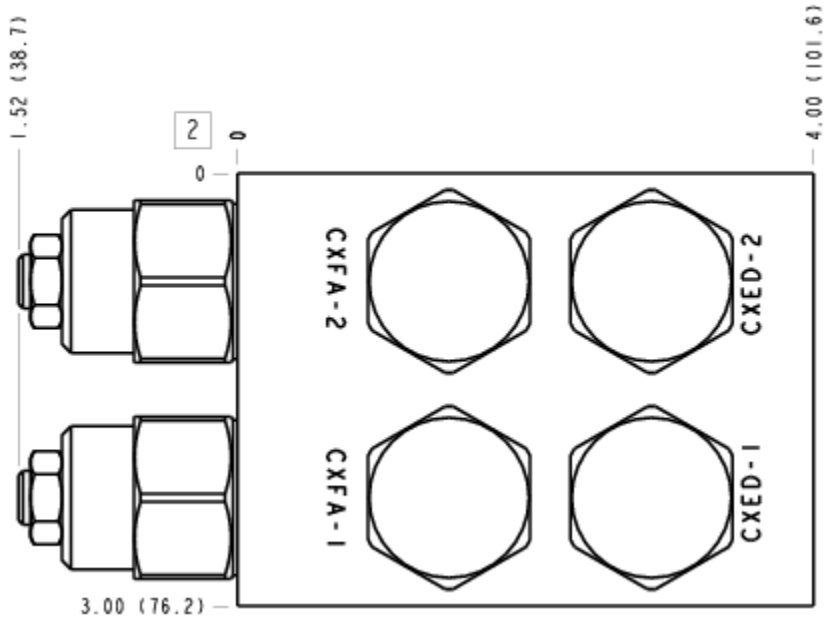
- The counterbalance valves should be set at 1.3 times the maximum load induced pressure.
- The term cushion in the name Cushion Lock is a misnomer. Because the counterbalance valves play a dual role as load controls and work port reliefs they must be set too high to provide any real cushion. Deceleration can only be achieved by ramping down the input flow.
- These packages are also available as 3 letter manifolds. Look under counterbalance.

MANIFOLD FACES

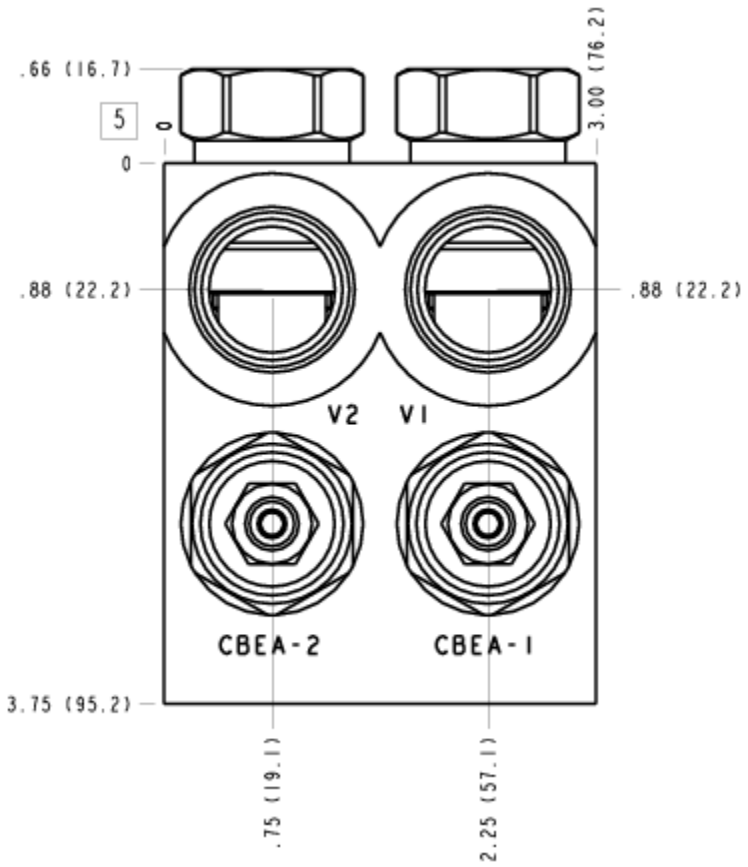
FACE GRID

1	2	3	4
5	6	7	8
9	10	11	12

FACE 2



FACE 5



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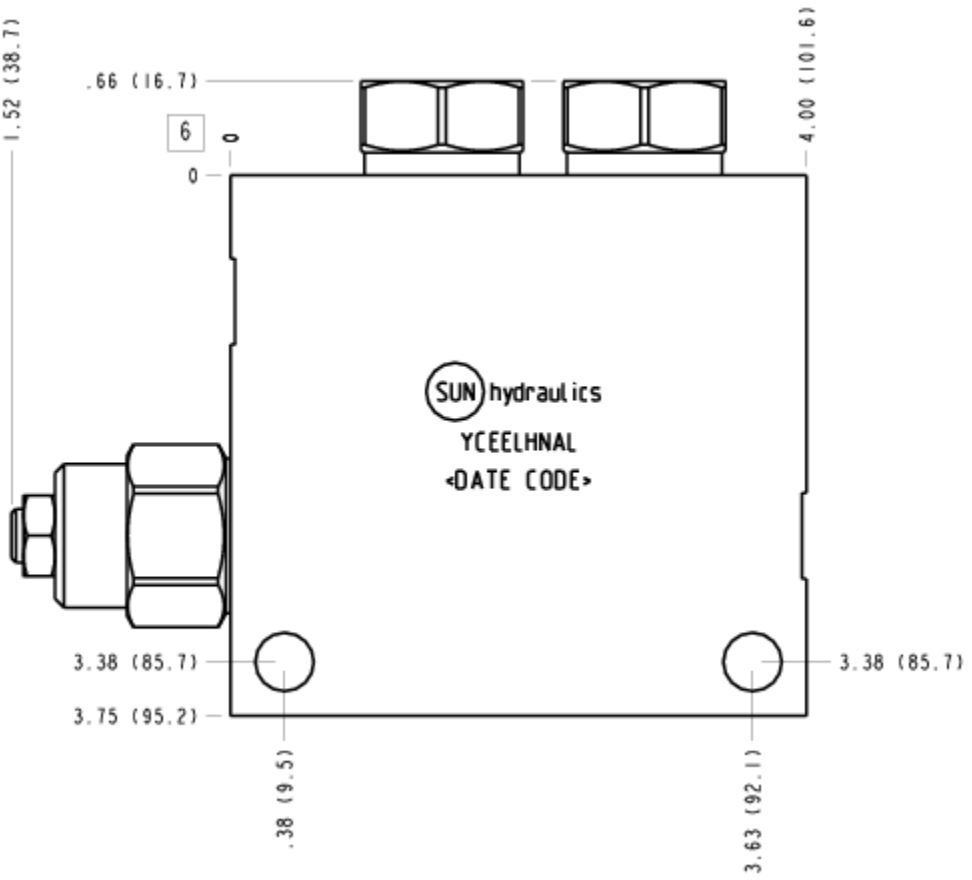

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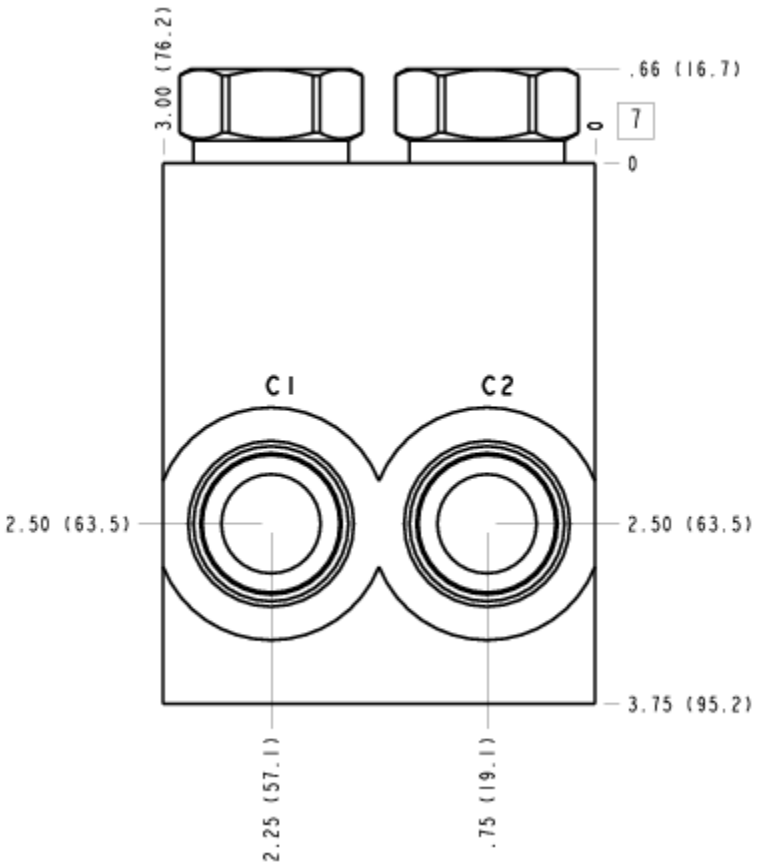
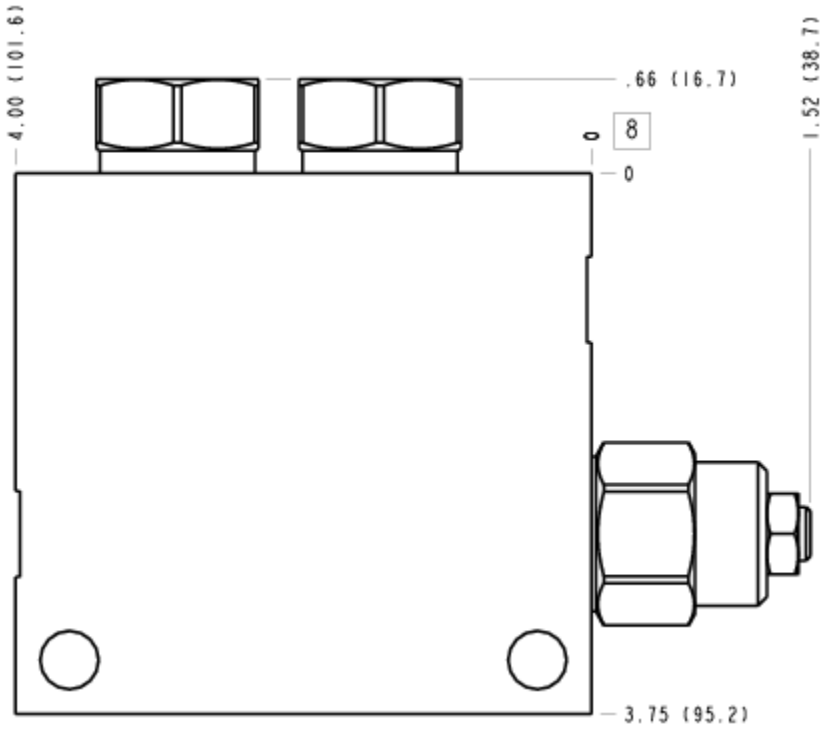


FACE 8



FACE 10