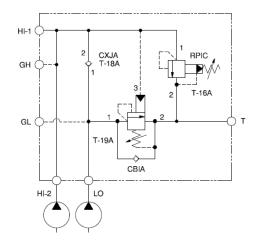
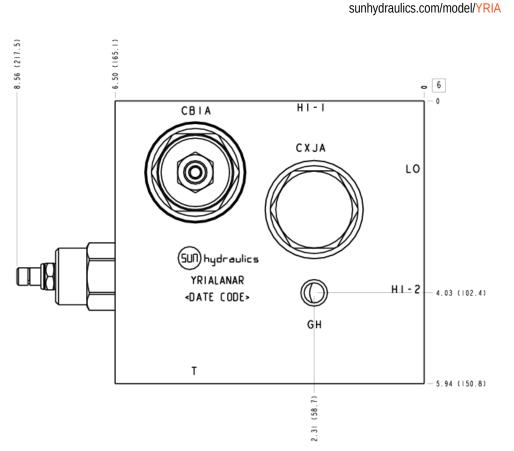


Two pump high-low unloading assembly CAPACITY: 120 gpm







This assembly allows the smooth unloading of a low-pressure / high-flow pump in a 2 pump high-low system. This type of system utilizes the flow of 2 pumps to provide rapid speed to an actuator. Once resistance is encountered, and the requirement switches from high speed to high force / torque, then the low-pressure / high-flow pump is unloaded back to tank at minimum pressure and all the available horsepower is directed to the high-pressure / low-flow pump. This assembly also provides a system relief valve.

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

Body Type	Line mount		
Capacity	120 gpm		
Mounting Hole Quantity	4		

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: YRIALANAR

CONTR	ROL	(L)	ADJUST	MENT RANGE (A)	SEAL N	MATERIAL	(N)
L	Standard Screw Adjustment		А	100 - 3000 psi (7 - 210 bar), 1000 psi (70 bar) Standard Setting	Ν	Buna-N	
С К	Handknob		В	50 - 1500 psi (3,5 - 105 bar), 1000 psi (70 bar) Standard Setting	V	Viton	
W Hex Wrench Adjustment Y Tri-Grip Handknob	,		С	150 - 6000 psi (10,5 - 420 bar), 1000 psi (70 bar) Standard Setting			
			D	25 - 800 psi (1,7 - 55 bar), 400 psi (28 bar) Standard Setting			
			E	25 - 400 psi (1,7 - 28 bar), 200 psi (14 bar) Standard Setting			
			Ν	60 - 800 psi (4 - 55 bar), 400 psi (28 bar) Standard Setting			
			Q	60 - 400 psi (4 - 28 bar), 200 psi (14 bar) Standard Setting			
			W	150 - 4500 psi (10,5 - 315 bar), 1000 psi (70 bar) Standard Setting			
PRIMA	RY CARTRIDGE						(A)

PRIMARY CARTRIDGE

А	A (with RPIC primary cartridge, Pilot-operated, balanced piston relief valve)
Α	A (with RPIC8 primary cartridge, Pilot-operated, balanced piston relief main stage with integral T-8A control cavity)

INCLUDED COMPONENTS

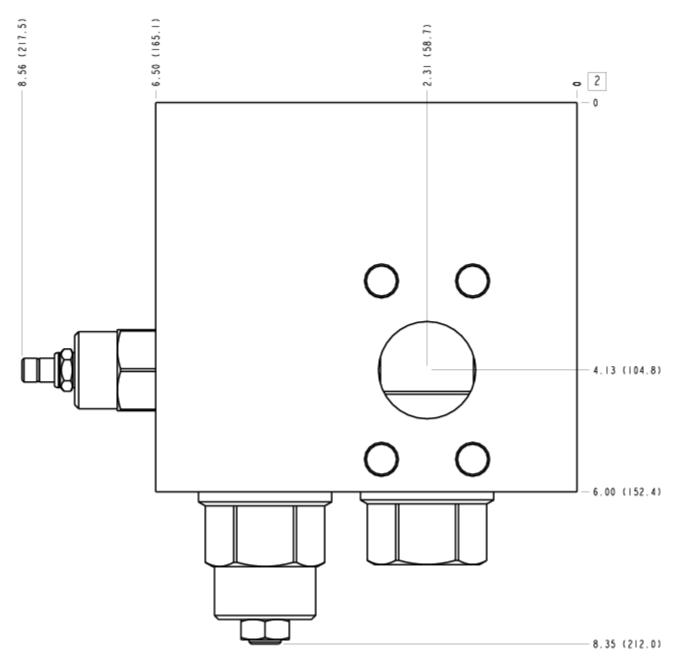
Part	Description	Quantity
CBIALIN	Cartridge	1
CXJAXCN	Cartridge	1
RPICLAN	Cartridge - Primary	1

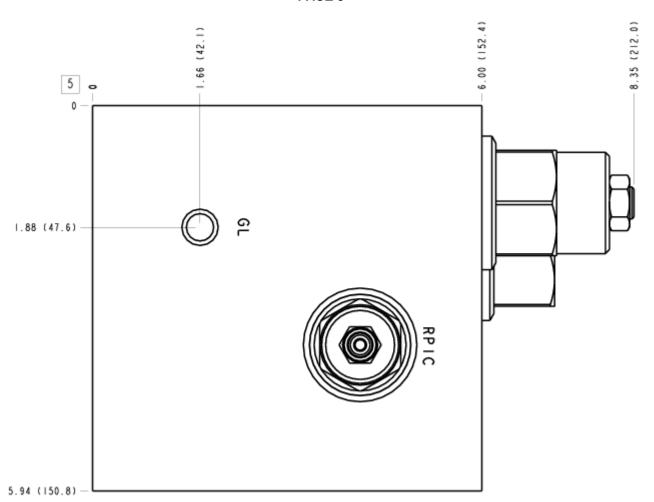
TECHNICAL FEATURES

- The counterbalance valve in this assembly is not acting as a counterbalance valve; it is acting as a pressure sensitive unloading valve. The setting, however, relates to the counterbalance world. With the CB*A set at 4000 psi (280 bar), the circuit will start to unload with about 1000 psi (70 bar) of pressure and will fully unload somewhere above 1400 psi (90 bar).
- Turn adjustment clockwise to decrease setting of the counterbalance valve.
- Backpressure at port 2 of the counterbalance valve adds to the effective relief setting at a ratio of 1 plus the pilot ratio times the backpressure.
- Counterbalance valve reseat exceeds 85% of set pressure when the valve is standard set. Settings lower than the standard set pressure may result in lower reseat percentages.
- Back pressure on the tank port (port 2) of the relief valve is directly additive to the valve setting at a 1:1 ratio.

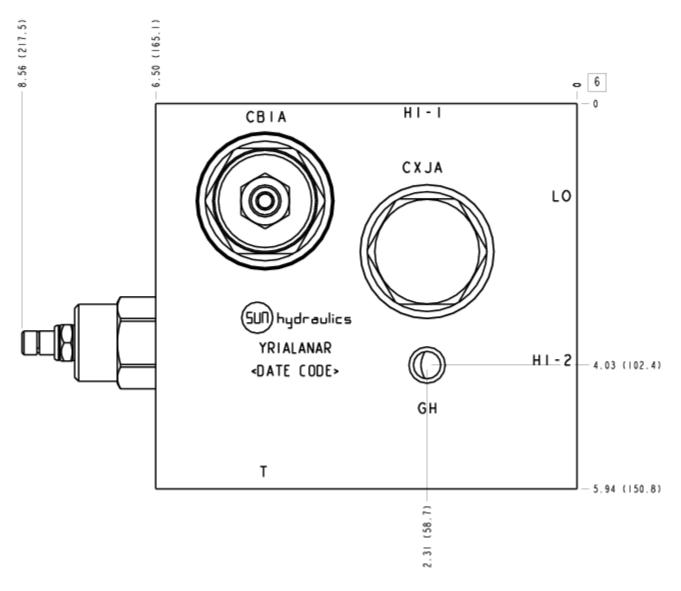
FACE GRID

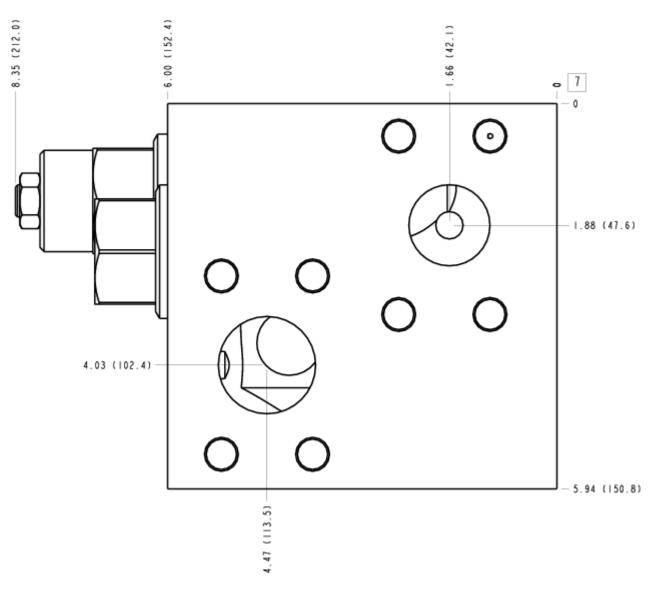
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9	10	11	12

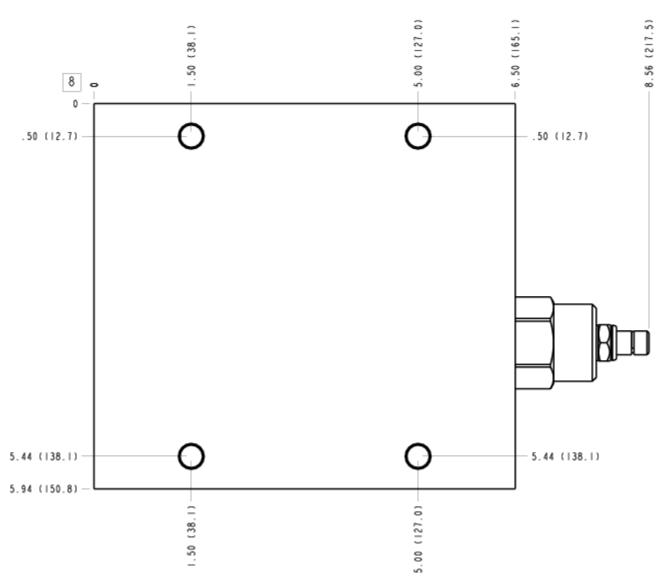




FACE 5







FACE 8

