



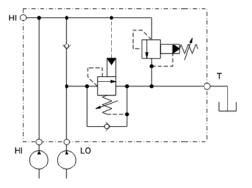
Two pump high-low unloading assembly

CAPACITY: 30 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:

CONFIGURATION

L	Control	Standard Screw Adjustment
A	Adjustment Range	100 - 3000 psi (7 - 210 bar), 1000 psi (70 bar) Standard Setting
N	Seal Material	Buna-N
Α	Primary Cartridge	A (with RPEC primary cartridge, Pilot-operated, balanced piston relief valve)

Body Type	Line mount VARY B
Capacity	30 gpm
Mounting Hole Diameter	.34 in.
Mounting Hole Depth	Through
Mounting Hole Quantity	2

NOPES and Manpidrtant: Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a <a href="Designation-besig

• For detailed information regarding the cartridges contained in this assembly, click on the models codes shown in the Included Components tab.

CONFIGURATION. SEE CONFIGURATION SECTION.

2024 Sun Hydraulics 1 of 2

OPTION SELECTION EXAMPLE: YRESLANA

CONTROL (I		ADJUSTMENT RANGE	(A)	SEAL MATERIAL	(N)
L Standard Screw Adjustment		A 100 - 3000 psi (7 - 210 bar), 1000 psi (7 Standard Setting	70 bar)	N Buna-N V Viton	
		·		VIIOII	(Δ)

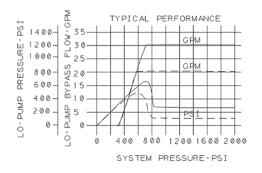
A A (with RPEC primary cartridge, Pilot-operated, balanced piston relief valve)

A (with RPEC8 primary cartridge, Pilot-operated, balanced piston relief main stage with integral T-8A control cavity)

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.

PERFORMANCE CURVES



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