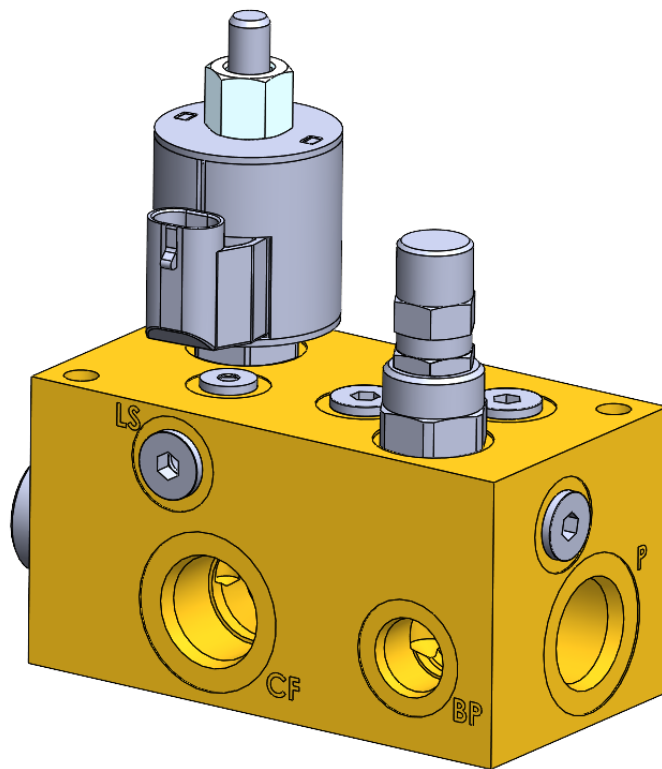




396-7209Y1

Hydraulic Standalone Valve Block Installation Instructions

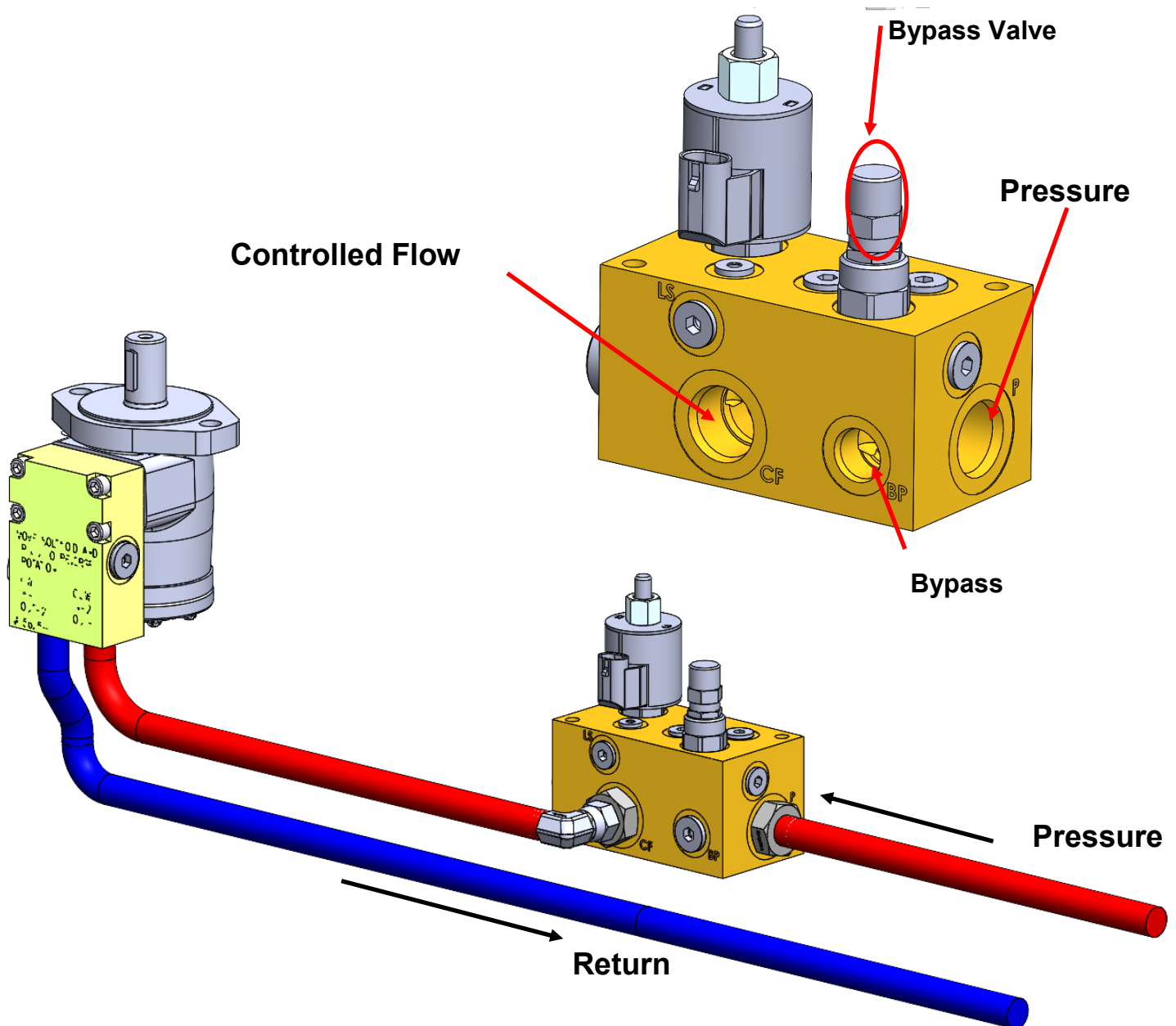




Installation Instructions (Hydraulic Routing) Single Hydraulic User on Circuit or a Circuit Plumbed in Parallel

Hydraulic Hose Installation

1. Pressure from the tractor will be routed and inserted into the Pressure port (Pressure port is labeled P on the hydraulic block)
2. From the Controlled Flow port on the hydraulic block (labeled CF) Attach hose and run to inlet (P port) of Hydraulic motor to be controlled.
3. Run the outlet of the motor back to tractor
4. On hydraulic Block, Plug Bypass Port (Labeled BP)





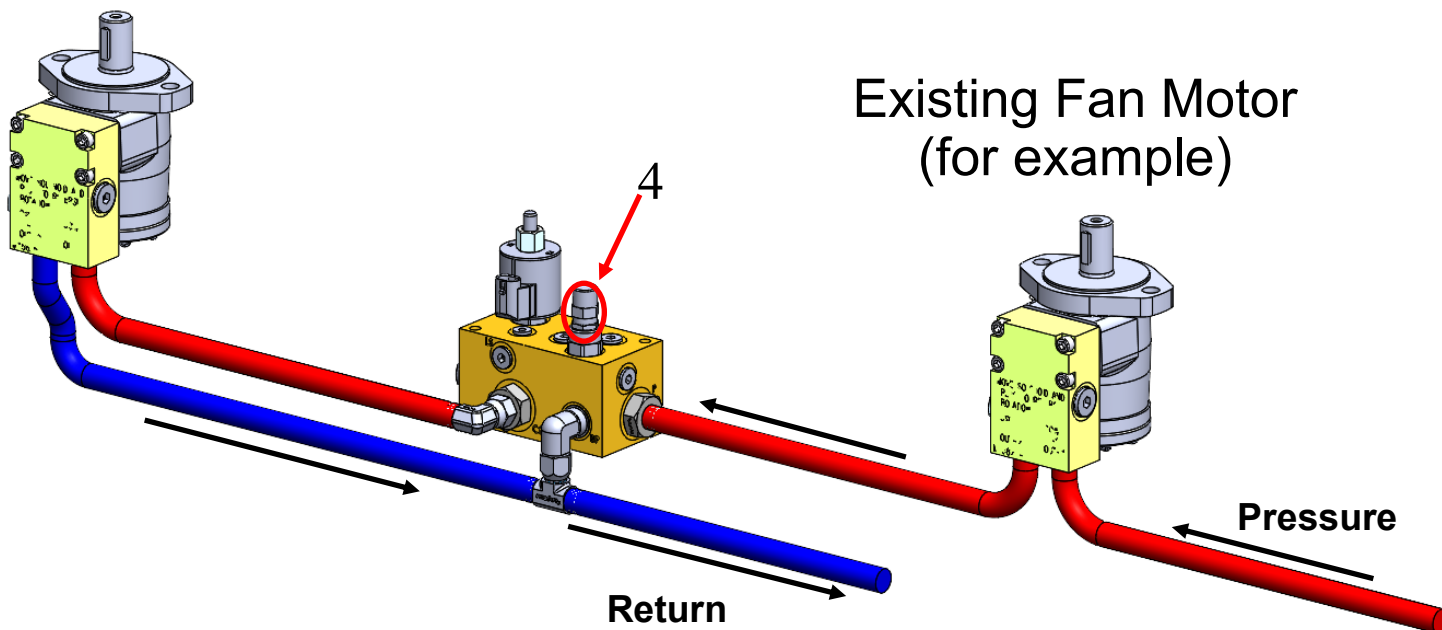
Installation Instructions (Hydraulic Routing) Adding in Series to existing Hydraulic Circuit

NOTE:

Plumbing multiple users on a hydraulic circuit in parallel is preferred, (tees on the pressure and return lines), And you wouldn't use the Bypass valve or Port on this block. But, if the situation forces you to plumb them in series this is how to do it.

Hydraulic Hose Installation

1. If getting Hydraulic pressure from other sources such as fan motors route output of fan motor to the pressure port of hydraulic Block (labeled P)
2. From the controlled flow port on the hydraulic block (labeled CF) Attach hose and run to inlet of Hydraulic motor to be controlled.
3. Tee the outlet of the controlled motor and the Bypass port (labeled BP) and run the combined flows back to return on the tractor (or to the next hydraulic user on the circuit.)
4. On a 2 hydraulic drive or more system, fully open the bypass valve on each hydraulic block to allow hydraulic oil to pass through all blocks. Remove the cap to access a bypass needle valve. This valve is shipped from the factory closed. Turn it all the way out until it stops. **The only case when valve should be open is when running in series with other hydraulic motors.**





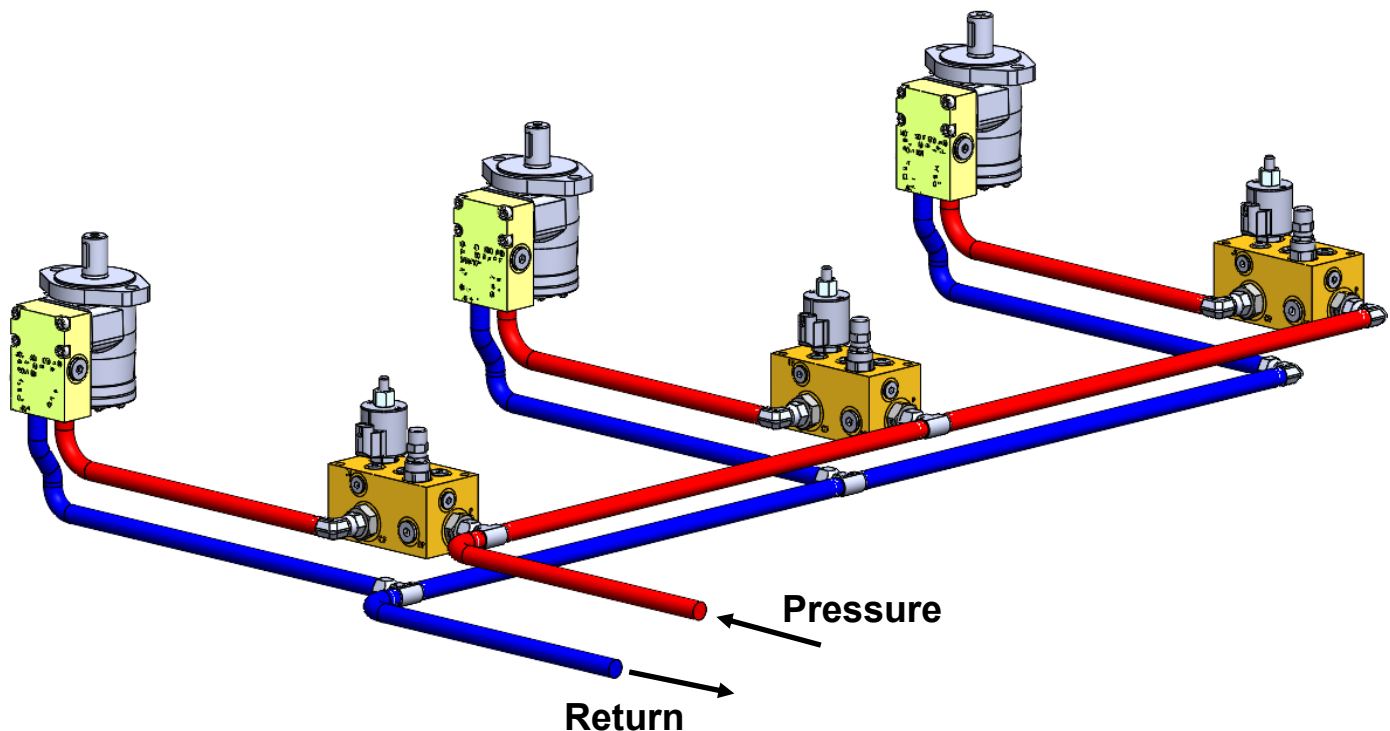
Installation Instructions (Hydraulic Schematic) Multiple Valve Blocks Preferred Parallel

NOTE:

Plumbing multiple users on a hydraulic circuit in parallel is preferred (tees on the pressure and return lines as shown below. One down side of this method is that you add the oil flow to each motor for the total oil flow from the tractor (approx. 8 gpm per motor depending on the motor. A specific remote on a tractor may have a lower limit of total oil flow. Also hose size from the tractor should consider this total oil flow.

Multiple Motors Hydraulic Hose Installation

1. Pressure from the tractor will be routed and inserted into the pressure port (Pressure port is labeled P on the hydraulic block)
2. From the controlled flow port on the hydraulic block (labeled CF) Attach hose and run to inlet (of Hydraulic motor to be controlled).
3. On hydraulic Block, Plug Bypass Port (Labeled BP)
4. Flow from the outlet of the motor will return to the tractor



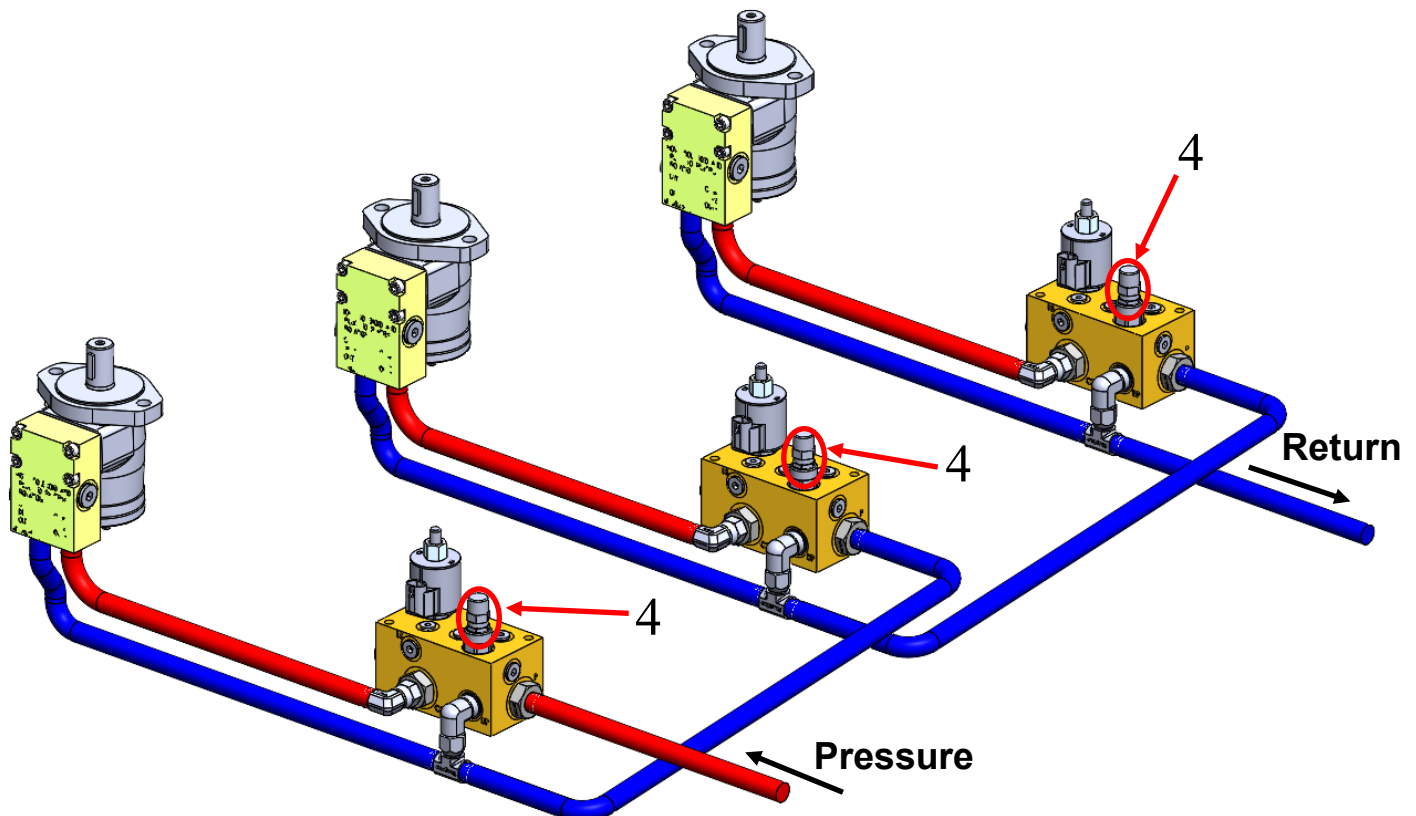
Installation Instructions (Hydraulic Schematic) Multiple Valve Blocks Series Plumbing

NOTE:

Plumbing multiple users on a hydraulic circuit in parallel is preferred (tees on the pressure and return lines), And you wouldn't use the Bypass valve or Port on this block. But, if the situation forces you to plumb them in series this is how to do it.

Multiple Motors Hydraulic Hose Installation

1. Pressure from the tractor will be routed and inserted into the pressure port (Pressure port is labeled P on the hydraulic block)
2. From the controlled flow port on the hydraulic block (labeled CF) Attach hose and run to inlet (of Hydraulic motor to be controlled).
3. Tee the outlet of the controlled motor and the Bypass port (labeled BP) and run the combined flows back to return on the tractor (or to the next hydraulic user on the circuit.)
4. On a 2 hydraulic drive or more system, fully open the bypass valve on each hydraulic block to allow hydraulic oil to pass through all blocks. Remove the cap to access a bypass needle valve. This valve is shipped from the factory closed. Turn it all the way out until it stops. **The only case when valve should be open is when running in series with other hydraulic motors.**



Hydraulic Connections

Standalone PWM Valve

Manual Override - Turn and lift the manual override to check for proper hydraulic connections.

Override will completely open valve, so limit tractor hydraulic flow to valve.

PWM Valve Connector -2 Pin MP Shroud

Load Sense Port—For power beyond hydraulic use only.

Controlled Flow Port—Pressure to motor to be controlled by this valve

Bypass Port—Return to Tractor or to next hydraulic user in the hydraulic circuit. Flow from this port will be tee'd into flow from return of motor

Bypass Valve—Remove the cap to access a bypass needle valve. This valve is shipped from the factory closed. Turn it all the way out until it stops. **The only case when valve should be open is when running in series with other hydraulic motors.**

Depending on your tractor and exact hydraulic plumbing scenario your pump may turn very slowly when it should stop. To stop the pump completely, open the bypass valve slightly.

To adjust the Bypass Needle Valve, first loosen the lock nut. Do not overtighten the needle valve.

How it Works with Power Beyond Hydraulics

This valve is designed to work with power beyond hydraulics. This configuration will not require a standard tractor remote hydraulic valve. First, remove the load sense plug and install a #6 male boss x #6 JIC adapter fitting, SurePoint PN 161-01-6MB-6MJ. Then run a 3/8" or 1/4" hydraulic hose back to the tractor. This hose will connect to the load sense port on the tractor.

The bypass valve must be closed to use power beyond hydraulics. The load sense line will signal the tractor hydraulic system to supply the flow needed by the pump to meet your application rate. The SurePoint valve has an internal load sense check valve, which is required for power beyond hydraulics.