

FEATURES:

- Adds one to seven remote outlets
- 6-8 GPM per outlet 3000 PSI
- Dual cartridge for positive lock
- Works on any tractor, open or closed center
- Easy to mount on implement
- Easy one handed operation
- Aluminum body construction
- Optional lock on switch available for float or detent operation
- Commercial grade sealed switches

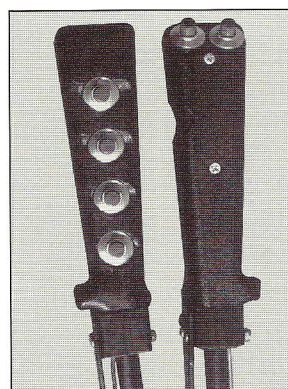
V&M SV Series hydraulic multiplier is a 6-8 GPM valve. Continuous flow of more than 8 GPM will cause excessive heat built up.

SV Series hydraulic multiplier valve bodies have dual poppet style cartridges to virtually eliminate any leak down of your implements (i.e., planter and sprayer booms dropping in the field).



The standard SV unit will not operate one way cylinders. **When ordering, please specify number of single acting functions.**

The SV series hydraulic multiplier valve comes standard with a bolt on style mounting bracket for easy installation on any implement. The V&M control handle also comes with a mounting bracket that slips over your existing remote lever in the cab giving you one handed operation. With the handle mounted on your remote lever you just select the function by pressing one or more buttons and then direct the flow by moving the handle. Typically, forward is down, back is up.



V&M SV Series hydraulic multiplier control handles come with red momentary switches that must be pressed and held during hydraulic operation.

Optional white lock on switches must be pressed to activate hydraulic operation. This switch stays on until pressed again which

turns the function off. This button works well for float and detent operations. V&M control handles are prewired to handle up to six commercial grade switches.

V&M SV Series multiplier valve turns one of your remote outlets into a 2, 3, 4, 5, 6, 7 or 8 outlet system. If you only need two or three outlets now, you can expand your system later.

Typical uses for the SV Series hydraulic multiplier are sprayers, disc wings, markers, hay equipment, mowers, etc. It works well on most low volume applications.

WARRANTY: Two years from date of purchase on manufacturing defects.



SV SERIES INSTALLATION INSTRUCTIONS

1. Mount the manifold on the tractor or implement. Make sure that the manifold is protected from moving parts (3 point hitch), debris, etc.

2. Connect two hoses from one of your remote outlets on the tractor to the manifold inlets (#1). Use the side that is most convenient. Run hoses from the outlets (#2) to your cylinders. The manifolds have female #8 o-ring threads (3/4"-16). We suggest that you use swivel hose fittings for easy installation. Torque o-ring fittings to 25 foot lb.

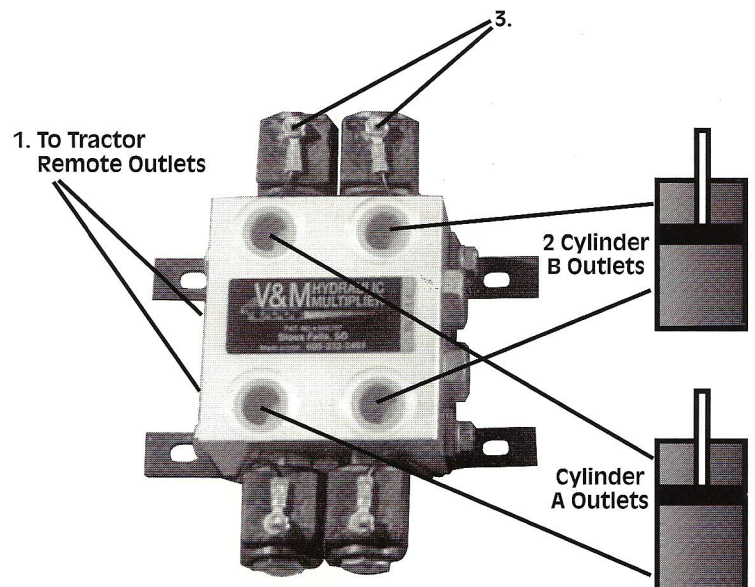
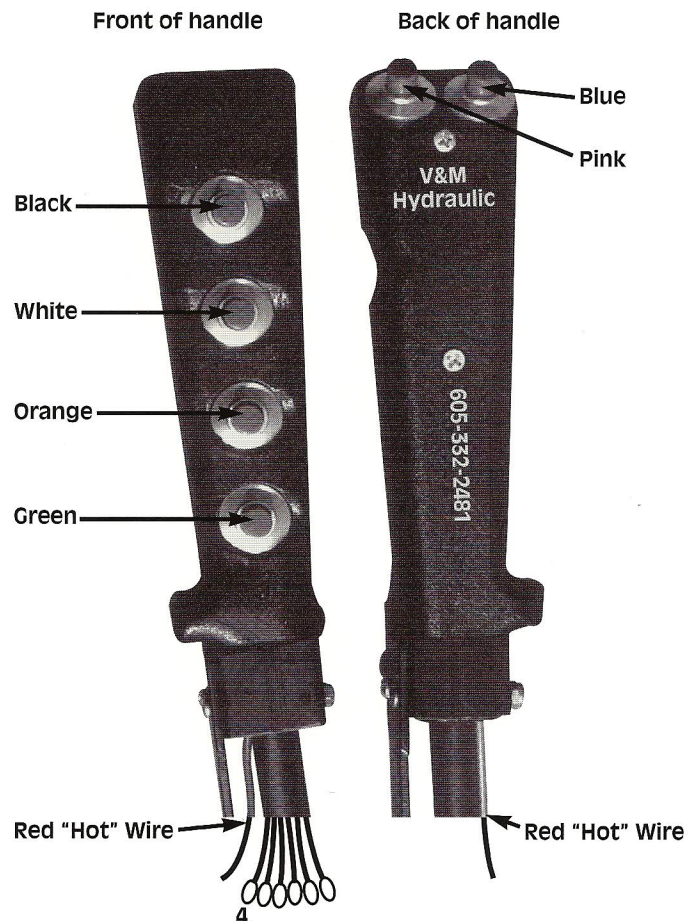
3. Mount the V & M control handle to the corresponding hydraulic lever in the cab (u-clamps included). Spacers or shims may be required.

4. Run the handle cable to the manifold. The red wire coming out of the handle is the hot wire. Connect this to a 12V power source that turns on and off with your ignition switch. Use a circuit with a 10 amp fuse. If the manifold is mounted on implement a ground wire will be needed.

5. Connect the ring terminals (#4) to the stud on the solenoids (#3). The handle diagram at right shows which button controls what wire. Example - The top front button controls the black wire.

6. Bleed your hydraulic cylinders and hoses to remove all air from the system. Air and contamination are the biggest problem in hydraulics. Change hydraulic oil and filter to manufacturers specifications to help avoid these problems.

7. If you have any questions, please give us a call at (605)332-2481 between 8 a.m. and 5 p.m. central time Monday - Friday.



Patent #4949757