

# Adjusting Centrifugal Pump Output

## (check box)

- Do not use orifice in pressure port. Determine pressure line with forward handle movement , then forward to float to turn off.
- Start the tractor and allow the hydraulic oil to circulate for approximately 10 to 15 minutes or until adequately warmed.
- Close and lock down the bypass adjusting screw in the hydraulic motor.
- Prime the centrifugal pump with all valves open (See Installation Instructions and System Configuration Diagram). Check all strainers.
- Set the tractor hydraulic flow control valve for minimum hydraulic oil flow to the remote outlet (Turtle Position). Verify hydraulic pump maximum gpm required flow to tractor produced gpm-never set up over rated GPM. CAUTION: Too many gpm can damage system.
- Close the agitation line valve and the control valve; open the boom shut-off valve.
- With the pump running, open the control valve until decreasing the pressure on the gauge indicator until the desired spraying pressure.
- Open the agitation line valve until sufficient agitation is observed. Then, if spray pressure drops, readjust the control valve to restore the desired pressure.
- If required, Slowly adjust the tractor hydraulic flow control valve (Turtle/ Rabbit Position) until the desired boom pressure is attained-never set up over rated GPM

## Flush Pump

One of the most common causes for faulty pump performance is gumming or corrosion inside the pump. Flush the pump and entire system with a solution that will chemically neutralize the liquid pumped. Mix this solution according to the manufacturer's directions. This will dissolve most residue remaining in the pump, leaving the inside of the pump clean for the next use.

## To Prevent Corrosion

After cleaning the pump as directed above, flush it with a permanent-type automobile antifreeze (Prestone®, Zerex® etc) containing a rust inhibitor. Use a 50% solution, half antifreeze and half water. A protective coating will remain on the inner pump surfaces. Save the excess antifreeze for the next application. Plug the ports to keep out air during storage. For short periods of idleness, noncorrosive liquids may be left in the pump, but air must be kept out. Plug the ports or the seal port connections.