

### **Plumbing Two PumpRights in Series**

DO NOT plumb two pumps after the CCS fan. Excessive pressures may damage the CCS fan motor.

Run the pressure line from the tractor to Port P on Pump 1. Plumb from Port T on Pump 1 to Port P on Pump 2. Plumb from Port T on Pump 2 back to the tractor. Open the bypass needle valve on both pumps so each valve controls motor speed independently.

When you start the system, run this flow-setting procedure to minimize the hydraulic flow through the pumps:

1. Run the fertilizer system in the field at the maximum rate and ground speed.
2. Turn down the hydraulic flow slowly in the cab while watching the pump flow (Volume / Minute).
3. Observe when the Volume / Minute begins to drop.
4. Turn the hydraulic flow back up slightly.

This setting will provide the pumps just enough oil for your application rate. When running with the bypass valves open (when pumps are in series), this process will minimize the oil circulated in the bypass loop.