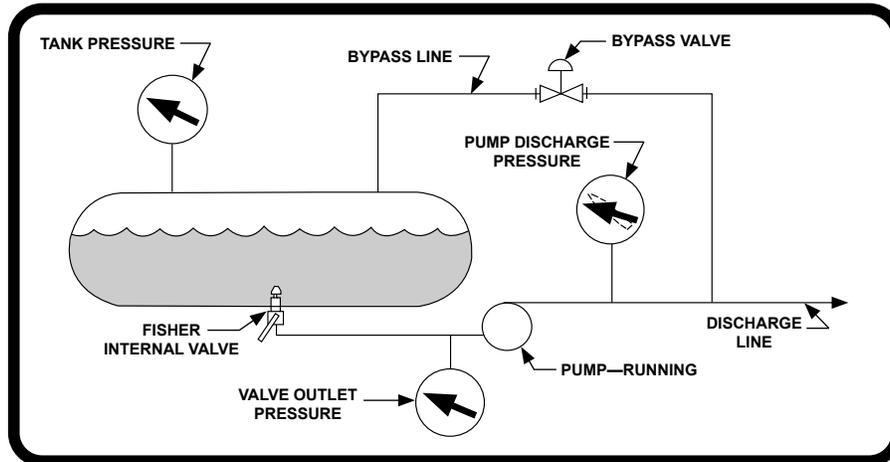


## MAKE THESE CHECKS WHEN A BOBTAIL OR TRANSPORT PUMPING SYSTEM DOESN'T WORK



A truck that's unable to pump-off its load needs prompt attention, and the correct trouble shooting procedures can save a lot of time and money.

The internal valve sometimes gets the blame for the problem when actually the valve is being operated incorrectly or some other component in the system is at fault. Removing a properly working interval valve is obviously a waste of time.

In order to check out a pumping system, pressure gauges should be installed at the tank, the internal valve outlet, and the pump discharge line, see the schematic drawing.

The schematic shows a truck pumping system operating properly. When the internal valve opens, the tank and valve outlet pressure are at about the same pressure (there may be a slight difference in the gauge readings). Starting the pump increases the pump discharge pressure while the tank and valve outlet pressure stay within a few psig of each other.

Refer to the table when deviations from normal pressures take place. For more information on Fisher internal valve operation, contact us or see the Fisher distributor in your area.

PROBLEM	POSSIBLE CAUSE	REMARKS
Tank and valve outlet pressure remain the same, pump discharge pressure drops	Pump or bypass valve	Bypass valve could be stuck in open position or there could be a pump problem. Close the manual bypass line in order to check. As long as valve outlet pressure stays nearly the same as tank pressure, the internal valve is all right.
Valve outlet pressure drops suddenly	Closure of internal valve or blockage of internal valve inlet	Stop pump and attempt to reequalize valve. If problem persists, check operating lever travel (lever should move to a stop in the fully open position). Attempt pumping back through the valve (if possible) to clear out obstructions inside the tank.
Pump discharge pressure increases but product does not transfer	Downstream piping	Downstream piping is clogged or a valve is closed somewhere in the downstream piping system.
Tank and valve outlet pressure slowly drop, pumping rate slows	Vapor return line	Vapor return line too small, boiling product causes the pumping rate to decrease.