

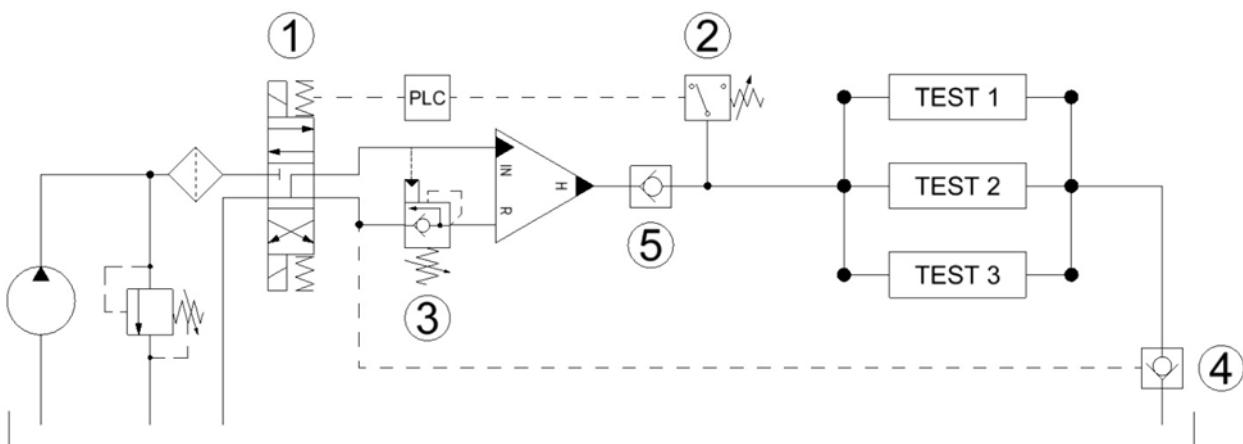
Improve Performance in Pressure Test Applications

This technote provides recommendations for improving performance in pressure test applications.

Flow and pressure are the key parameters for a good start-up of an oscillating booster. The system with low flow and low pressure typically comes from a pressure drop of the pressure-reducing valve or servo valves, which may lead to a start-up failure.

Our recommendations are:

- Install a control circuit with a 4/3 directional valve (1) on the low-pressure side controlled by a signal from a pressure transmitter (2) or pressure switch on the high-pressure side.
- Install a sequence valve (3) on the low-pressure side. The booster kicks and avoids over-speeding, and this is a particularly good solution when used with hose testing and when the first step is flushing.
- Use an external POV valve (4) with big clearance due to the dirt sensitivity.
- Install a non-leak check valve (5) after the intensifier for leakage test application with low viscosity media.



1. Directional Valve
2. Pressure Transmitter
3. Sequence Valve
4. POV Valve
5. Leak Check Valve