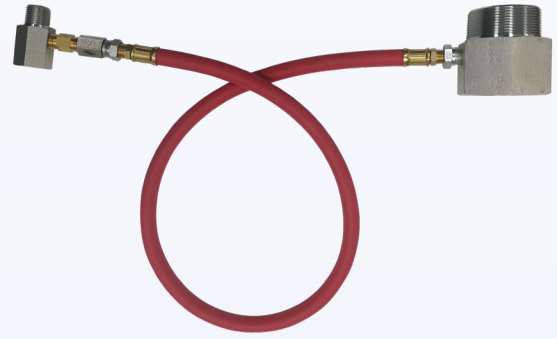


Data Sheet, PR-100 Pressure Relief Kit, 100PSI

For use with 1/2" and 1" diaphragm pumps, to provide system component protection against fluid pressures over 100 PSI caused by thermal expansion.

- Relief setting, factory: 100 PSI
- Fluid Compatibility: Oil, ATF, Antifreeze
- Threads: 1/2" NPT at pump; 2" NPT at tank
- Hose: 3/8" NPT; 3/8" ID x 3 L, hybrid polymer
- Valve: adjustable, directional (arrow)
- Swivel: 3/8" NPT (M x F)
- Sealing: petroleum compatible tape, pipe dope
- Weight, shipping: 4 pounds
- Dimensions, shipping: 4" L x 5" W x 6" H
- Material: carbon steel, brass, hybrid polymer



GENERAL SAFETY

Read the following before installation and operation. Because this pressure relief kit is installed into a pressurized system, observe the following safety precautions:

- Check and repair or replace worn or damaged parts.
- Release pressures built up in the system before service or repair.
 - **WARNING!** Shut off pump prior to installing the PR-100 kit.
 1. Disconnect the air supply to the pump.
 2. Point dispensing valve away from yourself and others.
 3. Open dispensing valve.
- Do not alter or modify this kit as personal injury may result.
- Follow published industry recommendations regarding personal protective equipment.

NOTE

This pressure relief kit is required on all ALEC oil pump systems. Not installing this kit voids all product warranties if system fails because of thermal expansion.

CAUTION

This kit protects the system from possible damage due to fluid thermal expansion. Excess fluid pressure above PSI rating is relieved; relief overflow is directed back to supply container.

INSTALLATION

Assemble kit with Teflon tape and pipe dope. Install 1/2" Tee into pump outlet. Install 2" Tee into tank bung.

MAINTENANCE

If the pump runs continuously when the dispensing valves are closed, the relief valve may be faulty or held open by dirt. To check or clean the relief valve, stop the pump, relieve pressure, and proceed as follows:

1. Disconnect the fluid return hose from the hose adapter (tank Tee).
2. Check to see if fluid comes from the end of the return hose. If not, check the pump and supply lines.
3. If the valve is leaking, stop the pump, relieve pressure per above, unscrew and clean the valve.
4. Reinstall the relief valve and start the pump. If the valve still leaks, replace it with a new one.

NOTE: Do not attempt to disassemble the pressure relief valve as this will disturb the pressure setting. If the valve cannot be cleaned, replace it with a new one.