

Data Sheet, TIM-2000-2 Air Solenoid Safety Kit

For use with piston and diaphragm pumps with 1/4" NPT air inlets. This normally closed solenoid valve shuts off air flow to the pump when the system is inactive. Helps prevent potential oil spills. Big ALEC Fluid Inventory Control System.

- *Electrical:* 24VAC, 60 Hz, 10 W
- *Pressure:* 0 PSI to 145 PSI
- *Weight:* one (1) pound
- *Dimensions:* 2" x 3" x 4"
- *Material:* carbon steel, brass, etc.
- *Ports:* "1" is inlet, "2" is outlet
- *Threads:* 1/4" NPT (F) x 1/4" NPT (F)
- *Includes:* 1/4" NPT (M) x 1/4" NPT (M) adapter
- *Optimal:* Mount in upright position



GENERAL SAFETY

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

- Check and repair or replace worn or damaged parts
- Depressurize system and turn off electrical power to the valve before attempting maintenance/repair
- Do not alter or modify as personal injury may result
- Follow published industry recommendations regarding personal protective equipment

NOTE

This air solenoid safety kit is recommended for use on all ALEC diaphragm/piston pumps

INSTALLATION

Assemble kit with Teflon tape and pipe dope. Install valve after air filter/regulator, before the pump air inlet. Wire guidelines,

Wire Gauge AWG	Air Solenoid Valve Maximum Wire Length (ft)
24	100
22	150
20	250
18	400
16	600

MAINTENANCE

If the pump runs when the valve is closed, the valve may be faulty or held open by dirt. To check and/or clean the valve,

1. Depressurize the pump and disconnect electrical power to the valve
2. Remove and clean valve
3. If the valve leaks after cleaning, replace it