

FREEDOM

INDUSTRIAL HYDRAULICS

10,000 P.S.I. HYDRAULIC HAND PUMP SETUP • OPERATING • MAINTENANCE INSTRUCTIONS

IMPORTANT: READ THESE INSTRUCTIONS BEFORE OPERATING

BEFORE USING THIS DEVICE, READ THIS MANUAL COMPLETELY AND THOROUGHLY, UNDERSTAND ITS OPERATING PROCEDURES, SAFETY WARNINGS AND MAINTENANCE REQUIREMENTS. FAILURE TO DO SO COULD CAUSE ACCIDENTS RESULTING IN SERIOUS OR FATAL PERSONAL INJURY AND/OR PROPERTY DAMAGE.

The use of hydraulic hand pumps is subject to certain hazards that cannot be prevented by mechanical means, but only by the exercise of intelligence, care, and common sense. It is therefore essential to have owners and personnel involved in the use and operation of equipment who are careful, competent, trained, and qualified in the safe operation of the equipment and its proper use. Hazards such as pressurized hydraulic fluid bursting from hoses or fittings can happen resulting in loss of load, uncontrolled lowering or dropping of load if instructions are not followed. Failure

to avoid hazards could cause accidents resulting in serious or fatal personal injury and/or property damage.

It is the responsibility of the owner to make sure all personnel read this manual prior to using this device. It is also the responsibility of the device owner to keep these instructions intact and in a convenient location for all to see and read. If these instructions are lost or not legible, contact FREEDOM for a free replacement. If the operator is not fluent in English, the product and safety instructions shall be read to and discussed with the operator in the operator's native language by the purchaser/owner or his designee, making sure that the operator comprehends its contents.

WARRANTY

This product is covered by a Limited Lifetime Warranty. For details see the back cover of FREEDOM's product catalog.

WARNING

- Do not use hoses in systems exceeding 10,000 psi (700 bar).
- The system operating pressure must not exceed the pressure rating of the lowest rated component in the system.
- Avoid sharp bends and kinks when routing hydraulic hoses.
- Do not drop heavy objects on hose.
- Do not use the hydraulic hose to carry a hydraulic component.
- Keep hydraulic equipment away from flames and heat.
- Keep hose away from sharp objects and eliminate abrasion.
- Inspect the system before each use. Replace questionable components immediately.
- Use only compatible fluids.
- Make sure quick disconnect fittings are correctly and completely fastened together. Quick disconnect couplers should be hand tightened only. Never use tools.
- Never attempt to disconnect couplers while under system pressure.
- Be sure pressure system and setup are stable before using.
- Never connect a hand pump to any hydraulic system that can return more fluid to the reservoir than its capacity.

BEFORE OPERATING

1. Remove the large allen socket pipe plug in the hydraulic connections of the hand pump manifold. Remove any remnants of teflon tape that may still be in the threads of the hydraulic connections.
2. Make sure the hose fitting threads are not crossthreaded. Use at least 1-1/2 wraps of teflon tape (or suitable sealant) on the threads. Make sure the first complete thread is free from tape or sealant so they do not enter and contaminate the hydraulic system.

3. If tubing is used instead of hose, make sure the tubing is supported. Unsupported tubing can lead to premature fitting failure. Always hard mount valves and gages and never allow tubing to support them. Place tube supports 4 to 7 inches behind the fitting.

4. Install any reservoir vent cap that was supplied with your hand pump before operating.

WARNING: This hand pump's maximum working pressure is 10,000 PSI. Do not exceed this rating, or use any components not rated for 10,000 PSI with this pump.