

RICE HYDRO, INC.
MANUFACTURER'S OPERATING INSTRUCTIONS
ST-312, SHORE - THING

FOR WARRANTY REGISTRATION CALL 800-245-4777.

Before using ST-312:

1. Check oil level in engine, use 10W30. Unleaded gasoline.
2. Visually inspect components of unit; loose fittings, hoses for rips Or tears, gauge set on zero, and overall working condition.

OPERATING THE PUMP:

1. Fill the tank with fluid (designed for use with biodegradable anti-freeze).
2. Connect the Outlet hose provided to outlet port on unit located down line from pressure gauge.
3. Connect hose to shoring ram or device.
4. Start the engine.
5. Turn off the Bleed ballvalve that is located to the right of the gauge, closing the system from bypass, allowing pressure to build.
6. Control handle with black knob on valve; push handle forward to engage valve and pressure will begin to build. Handle will lock forward and continue to build pressure up to around 600 PSI. This is a valve with a detent-pin, after 600 PSI you will need to manually hold the handle forward allowing pressure to continue to build. This is a built in safety feature, to prevent over pressurizing damage and personal injury. Valve is set to a maximum of 1200 PSI, at which time the unit will kick into bypass and fluid will be recirculated back to reservoir tank.
7. Once desired pressure is met, pull control handle back into neutral position, there is an inline one-way check valve to prevent pressure from bleeding off or back into the unit. Close or disconnect hose from shoring device. At this time open bleed valve to relieve fluid in hose still under pressure back into reservoir tank.
8. Repeat steps as necessary; remember when shutting down unit or when moving hose between devices to open bleed valve and relieve pressure from hose. Not doing so will stop you from being able to get the hose quick release to actually disconnect.

REMEMBER THESE CAUTIONS:

1. Check all fluid levels prior to operating pump.
2. Use a sound 3/8" or larger supply hose rated for at least 2000 psi.
3. DO NOT run dry or pump chlorine through the unit, if water or chlorinated water has been run thru the unit, you must immediately flush system with anti-freeze to neutralize chlorine and prevent rust or corrosion from water.
4. Protect the pump from freezing, FLUSH with anti-freeze.

RECOMMENDED PERIODIC MAINTENANCE PROCEDURE

Change engine oil after the first 5 hours of operation thereafter every 80 hours of use or every season.