

RICE HYDRO, INC.
MANUFACTURER'S OPERATING INSTRUCTIONS
EL-SERIES MODEL TEST PUMPS

FOR WARRANTY REGISTRATION CALL 800-245-4777.

CONNECTING THE PUMP:

1. With switch in off position, connect power cord on motor to standard wall Outlet. Extension cord: when needed, a 12 gauge 3 wire, **max 25 foot length**, plugged into a 20amp breaker is required.
2. Connect **CLEAN** pressurized water source to the inlet of the pump. *It is recommended that the unit be pressure fed.* For gravity feed locate water within 8 feet and above level of unit, and then prime the pump.
3. Connect high-pressure outlet hose to the pump and your test environment.

OPERATING THE PUMP:

1. Turn the outlet ballvalve to the open position, start the motor.
2. The pressure regulator has been preset at factory. **To change this setting you must make this adjustment while the water is flowing freely, under no pressure.** To adjust pressure, first loosen the locknut. Turn the **T-handle/knob** clockwise to increase and counter-clockwise to decrease the pressure. Place a ballvalve or similar open and close valve at the end of the outlet hose, open and close ballvalve to check pressure setting and re-adjust as necessary. After any adjustments on regulator, bleed off system / test environment to "0" PSI; restart the test from "0" ensures the most accurate reading of pressure. It also recommended that you **OFTEN** open and close the RICE bleed valve to remove excess air from piping and ensure accurate pressure readings. Once desired setting is reached, **IT IS VERY IMPORTANT THAT YOU RE-TIGHTEN THE LOCK/JAM NUT,** do not leave adjustment handle free to move or vibrate out of setting. If unloader valve handle does fall out see attached diagram to replace parts correctly. **CAUTION: IT IS VERY COMMON TO REPLACE POPPET/BUTTON BACKWARDS, THE LONGER LEG WITH STEEL BALL FACES AWAY FROM THE SPRING.** With the ballvalve open begin building pressure in test environment. Bleed air thru RICE bleed valve at least once during this process. Once test pressure has been reached, **shut off motor and close ballvalve.**
3. Once the outlet ballvalve is closed and your test begins, you have now isolated the test pump from your test environment; any loss of pressure is due to leaks or trapped air in the line.

REMEMBER THESE CAUTIONS:

1. Power source must match voltage requirement of electric motor and if needed an Extension cord of at least 12 gauge wire.
2. Use a sound 3/4" or larger supply hose.
3. DO NOT run dry or pump chlorine through the unit.
4. Protect the pump from freezing, FLUSH with anti-freeze.

MAINTENANCE:

1. Plunger pumps use non-detergent 30wt oil.