



Operating Instructions Model 39300 and 39301 Hydrostatic Test Pump

Siphon Method

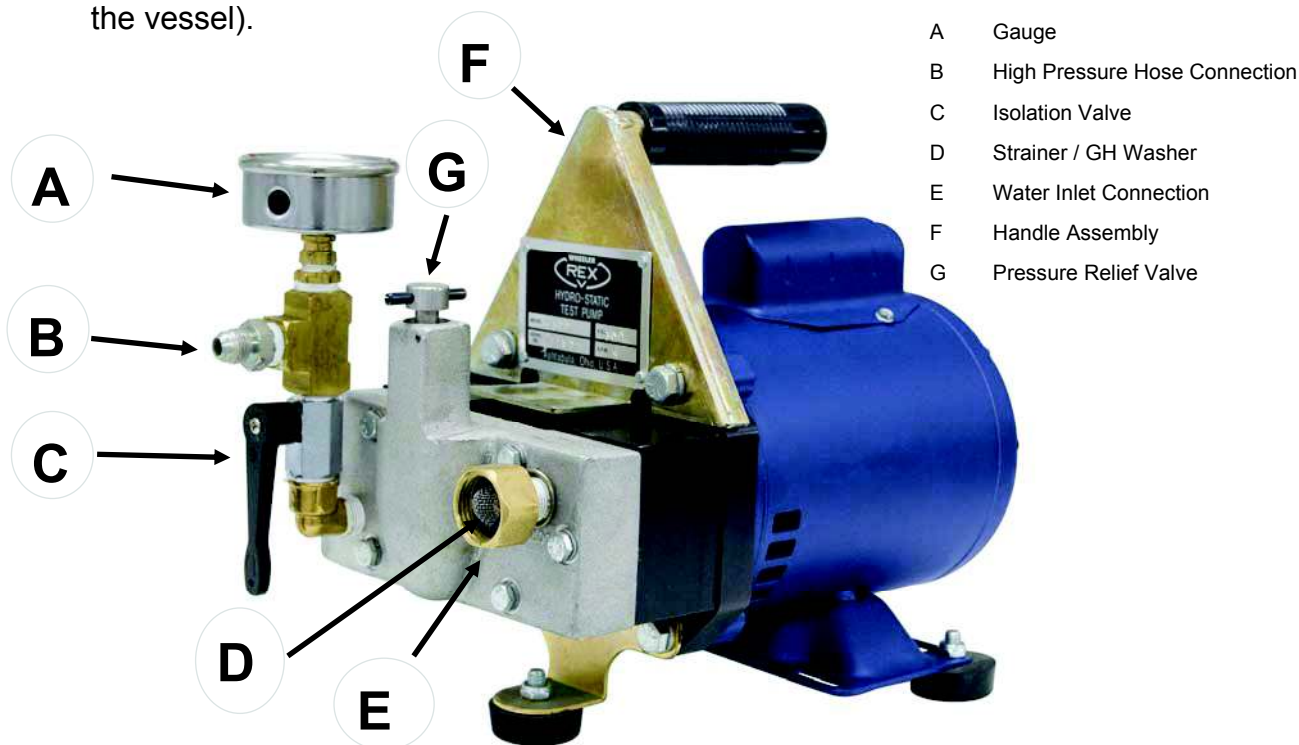
Use a clean water source

1. Fill the water line (or test vessel) to be tested prior to pump connection.
2. Fill the intake hose (not supplied, with water, then quickly place the hose into a bucket and turn on pump. (The unit is self-priming once primed.) Continue to pump until you see the water coming out of the outlet, with little or no air mixed with it.
NOTE: This process may take more time than one time to prime the pump.
3. Connect the output hose to the water line. Continue on with steps 5 through 7 above.

Pre-Setting Your Pump

Your pump can be pre-set to a specific pressure easily by adjusting the pressure relief valve.

1. Unscrew (counter clockwise direction) pressure relief valve (G) until it stops. (Note: the valve assembly will not come out of the casting body).
2. Add a ball valve (not supplied with pump) to the end of the high pressure hose.
3. Follow steps 2 through 4 from the 'Pressure Feed Method' above.
4. As water is flowing out of the high pressure hose, turn the ball valve to the off position.
5. Slowly start turning pressure relief valve (G) (in the clockwise direction) by ¼ turn increments as you are pumping the handle, until you reach the desired pressure.
6. Your test pump is now pre-set. This eliminates over-pressurizing the water line (or the vessel).





Operating Instructions Model 39300 and 39301 Hydrostatic Test Pump

Troubleshooting Your Pump

Test pressure not being reached:

- Possible air in air in line (or vessel)
 - ◇ Air needs to be purged from system.
 - ◇ Check garden hose strainer-washer (D) for cracks. Make sure to have a good tight seal.
 - ◇ Remove pump from system and follow steps 1 thru 6 of the "Pre-Setting Your Pump" section.
 - ◇ If using the Siphon Method and not getting pressure. Try the 'Pressure Feed' or 'Gravity Feed Method' to ensure water is getting into the pump.
- Pressure relief valve not adjusted properly.
 - ◇ Turn relief valve clockwise until it stops.
 - ◇ Debris stuck under poppet not allowing proper seating.
 - * Remove roll pin, relief valve screw, spring and poppet. Inspect for debris in manifold casting.
- Check valve stuck (not allowing water to flow correctly through pump)
 - ◇ Remove cylinder heads and inspect check valves for debris stuck in check valves. Replace check valves if necessary.
 - ◇ Check piston for wear and piston O-rings for wear / cracks. Inspect cylinder heads for piston wear due to worn O-rings. Replace if necessary with Wheeler Rex repair kit PN 39350 (piston and cylinder heads not included in kit). Lightly grease each o-ring when rebuilding.

Pump Maintenance

- Pump 50/50 antifreeze/water solution through pump after each use to avoid freezing & check balls from sticking.
- Lubricate piston and bearing with moly-lithium grease after every 50 hours of use. (remove handle assembly (F) to access piston and bearing.
- Pump repair kit Wheeler Rex PN 39350
- Suction Hose Wheeler Rex PN 34550

CAUTION !!!

This pump is designed for water only!!

The pump is equipped with an adjustable pressure relief valve, which helps protect the system from being over pressurized. It can be preset by plugging the end of the hose. Turn the adjusting knob clockwise to increase pressure and counterclockwise to decrease.