



# Operating Instructions Model 39300 and 39301 Hydrostatic Test Pump

## Specifications

<b>Dimension</b>	14" ( 5.5cm)L x 10" (3.9cm)W x 12" (4.7cm)H
<b>Weight</b>	35lbs; 16kg
<b>Pump Style</b>	Twin piston, positive displacement
<b>Capacity</b>	4gpm / 15lpm, @60hz; 3.4gpm / 12lpm @ 50hz
<b>Pressure</b>	0 - 300psi (20 bar)
<b>Motor</b>	1/2hp 115/230V, 1725rpm @60hz, 1450rpm@50hz
<b>Lubrication</b>	Chassis Grease
<b>Control</b>	Adjustable pressure relief valve
<b>Gauge</b>	Glycerin filled, 0 - 600psi (40bar)
<b>Inlet Connection</b>	3/4" Female garden hose
<b>Outlet Connection</b>	9/16 - 18 JICF Male
<b>Discharge Hose</b>	1/4" NPT Male x 1-' (3m), 4000psi (266 bar)
<b>Hose Ends</b>	9/16 - 18 JICF Female swivel x 1/4" Male NPT

### Pressure Feed Method: (Preferred Method #1)

*This is typically a residential water source with about 40 to 60 psi*

1. Fill the water line (or test vessel) to be tested prior to pump connection.
2. Connect water supply hose to the garden hose inlet connection on the pump.
3. Open valve and turn supply water on.
4. Purge the pump and pressure hose of all air.
5. Connect output (pressure) hose between pump (B) and water line (or vessel) being tested. (Water line or test vessel should be pre-filled with water before the test pump is attached.)
6. Turn pump on and purge water line (or vessel) of all air at the highest point of the system. Close valve once air has been purged.
7. With pump running, bring water line (or vessel) to pressure.
8. Watch the gauge (A) while pumping. As you reach the desired pressure; turn the valve (C) to the 'off' position. Motor can now be turned off. If pressure drops off, there is a leak in the line.

### Gravity Feed Method: (Preferred Method #2)

This method requires a tank with a water outlet at the bottom. The water tank's outlet should be level with or above the level of the water inlet connection on the pump. This allows water to flow naturally into the test pump. Follow the "Pressure Feed Method" steps 1 through 8 (listed above).