

Hydro Test Unit

Operation & Instruction Manual



WARNING



Safety Considerations

Pressure Testing of closed loop piping systems should be performed by trained & qualified service personnel only. Proper precautions should be taken to minimize the risk of electrical shock during testing. Wear safety glasses and work gloves.

Moving and Storage

When receiving the Hydro Test Unit, all items should be carefully checked against the packing list to be sure cartons have been received. Examine unit for possible shipping damage, removing the unit from its packaging if necessary. If any damage is noted, Freight Company should be notified and a claim should be filed. Transport the Hydro Test Unit in its normal "upright" position to prevent damage caused by excessive movement. Properly drain and store Hydro Test Unit in a location that will not be subject to freezing temperatures.

The Warnings, Cautions and Instructions discussed in this Operating Manual cannot cover ALL possible conditions or situations that could occur. It must be understood by the Operator that Common Sense and Caution are factors which cannot be built into this product, but must be supplied by the Operator.

Electrical Supply

Supply a single 15 amp, 115 volt circuit to the Hydro Test Unit. When using an extension cord to supply power, do not exceed the manufacturers rated capacity of the cord.

Operating Instructions

1. Attach Test Cap Adapters to each end of Loop, matching Test Cap size to pipe. (See Picture A)
*** Safety Lanyards & Rings must be attached to pipe in case of Test Cap failure during testing.***
2. Attach Discharge Adapter (with Gauge) to Test Cap on Outlet side of Loop. (See Picture B)
3. Attach Supply Adapter (without Gauge) to other Test Cap. (See Picture C)
4. Connect 3/4" - 10' Red Hose between Hydro Test Unit and Supply Adapter on Test Cap.
5. Connect Water Hose to Hydro Test Unit and water source.
6. Turn Water source on for Water Hose.
7. Plug Hydro Test Unit into 115 V outlet.
8. Open 1/2" Ball Valve on Hydro Test Unit.
9. Open 3/4" Ball Valve on Supply & Discharge Adapter.
10. Let water run until full & Water flows out of Discharge Adapter, Shut 3/4" Ball Valve on Discharge Adapter.
11. Water pressure will rise & stop, At this point Energize Hydro Test Pump. *** Caution: Water must be continuously supplied to Hydro Test Unit to prevent Pump from being run dry.***
12. Adjust Pressure to desired PSI.
*** Note: Pump is Factory Preset at 150 psi.***
*** Turn T-Handle Clockwise to Increase PSI ***
*** Turn T-Handle Counterclockwise to Decrease PSI ***
13. Once desired PSI is reached, Turn Off 3/4" Ball Valve on Supply Adapter & Immediately De-Energize Pump. *** Note: If Releasing Pressure is desired, Open 1/4" Ball Valve on Supply Adapter (and/or) 3/4" Ball Valve on the Discharge Adapter.**
14. Once Pressure Testing of Loop is complete, Unplug Hydro Test Unit.
15. Turn Off Water source.
16. Disconnect all Fittings, Test Cap Adapters and Hose from Hydro Test Unit and Loop.

Picture A - See #1



Test Cap w/ Lanyard

Picture B - See #2



Discharge Adapter

Picture C - See #3



Supply Adapter

Basic Kit Components

HT39100

Hydro Static Pump
10' Hose
Carrying Case

Residential Kit Components

HT39100R

Hydro Static Pump
10' Hose
Carrying Case
Supply Adapter
Discharge Adapter
2 - 0.75" Test Cap Adapters
2 - 1.25" Test Cap Adapters

Commercial Kit Components

HT39100C

Hydro Static Pump
10' Hose
Carrying Case
Supply Adapter
Discharge Adapter
2 - 0.75" Test Cap Adapters
2 - 1.00" Test Cap Adapters
2 - 1.25" Test Cap Adapters