

Hydrostatic Test Pump

PN# HTP1000

Features

- Efficient check system
- Long lasting poppet system
- Shipping weight 9 lbs
- Cast aluminum body
- Stainless steel piston
- 0 to 1000 PSI pressure gauge
- US Version does not include hose



Specifications

- Pressure range: 0-1000 PSI
- Weight 9 lbs
- ½" Inlet and Outlet
- Cylinder: 7/8" dia. - Stroke 2" - Cylinder Displacement 1.37 cu. inch

These pumps are designed for use in hydro-testing low pressure fire extinguisher cylinders.

Operating and Maintenance Instructions

It is important that clean water be used in testing. Keep dirt and foreign substances out of the open ports. If it gets under the seat valves will render the pump inoperative.

Drain pump after use as freezing damages the internal rubber seats.

The check valves may be replaced by removing the ¾" brass nipple and the inlet and outlet of pump. When installing new check valves be sure the brass stem of the check valve is:

1. Faces toward the inlet of pump (left side of pump)
2. Faces toward the ½" shutoff valve (right side of pump)

Operating Instructions

1. Attach the garden hose to the inlet check valve.
2. Ensure manually operated ball valve is in the open position.
3. Pull pump handle should be in open position (> 90 degrees to pump) to allow water to flow through the pump.
4. Turn on the water and fill the cylinder to be tested with water. The regular pressure from the water will automatically open the inlet and outlet poppet valves within the body of the pump. Always maintain source pressure to intake to prevent air from entering pump.

5. Once the cylinder is full, apply a slight amount of pressure to the hand pump by pumping it once.
6. Open the needle to bleed all air from the system to be tested and then close.
7. Pump until recommended test pressure is reached on the gauge and then close manual ball valve.
8. Turn off source water.
9. Monitor pressure for entire test time (minimum of 30 seconds). Pressure shall be stable by end of test time and must not drop below the minimum test pressure.
10. Upon completion of tests relieve pressure in system by opening the needle seat.
11. Open manual ball valve to relieve pressure on internal outlet check valve.
12. Close ball valve and disconnect hose and adaptor from cylinder.
13. Disconnect source water from inlet check valve, open manual ball valve and pump to drain water from test pump.

Maintenance items