

OPERATING INSTRUCTIONS

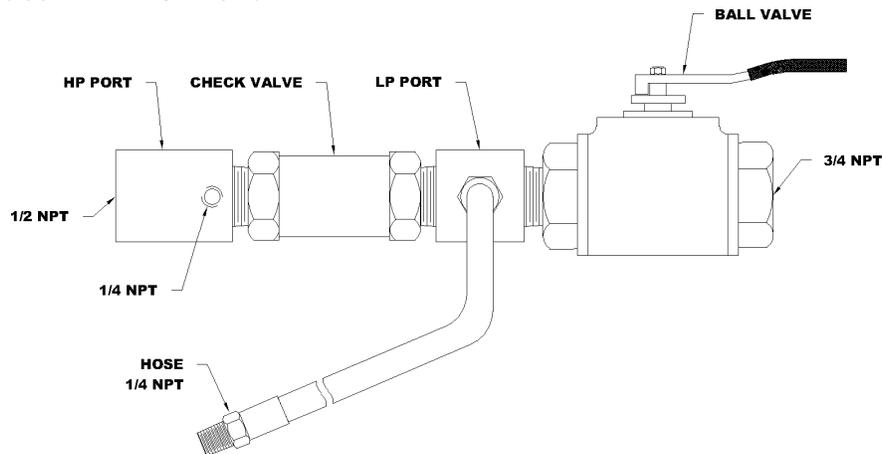
HIGH FLOW OPTION FOR THE PORTABLE HYDROSTATIC TEST PUMP

DESCRIPTION

The High Flow Option Assembly for the P-Series Hydrostatic Test Pump is used to speed the vessel filling process when a large volume of water is required for testing. The pump and a standard water supply can run concurrently, or just the water supply to fill the vessel.

EQUIPMENT REQUIRED

P-Series Hydrostatic Test Pump
 High Flow Option Assembly PSR-0003
 Standard water supply (approximately 50 psi) with a male 3/4 NPT connection



HIGH FLOW OPTION ASSEMBLY

ASSEMBLY INSTRUCTIONS

1. Connect the hose attached to the LP port on High Flow option to the WATER IN on the pump, 1/4 NPT.
2. Connect water supply to Ball valve on High Flow option, 3/4 NPT. The valve should be closed.
3. Connect the hose supplied with the pump to the HP port on High Flow option, 1/4 NPT. Assemble onto pump at PRESSURE OUT.
4. Connect supplied hose to the HP port on High Flow Option, 1/2 NPT. Connect to vessel to be tested.

NOTE: INSURE ALL CONNECTIONS ARE LEAK TIGHT

QUESTIONS? Contact EST Group Customer Service at any of the following locations with questions.

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On the Internet: <http://estgroup.cwfc.com>

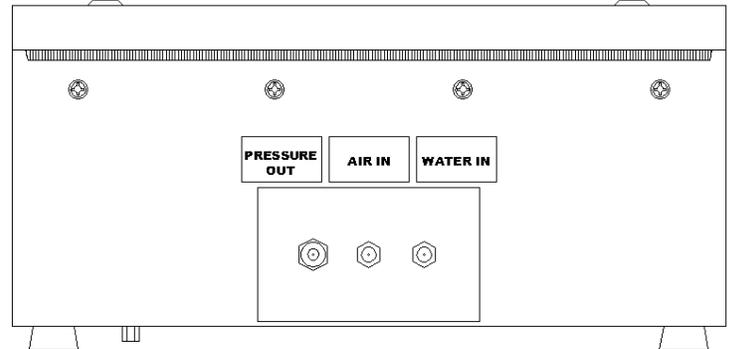
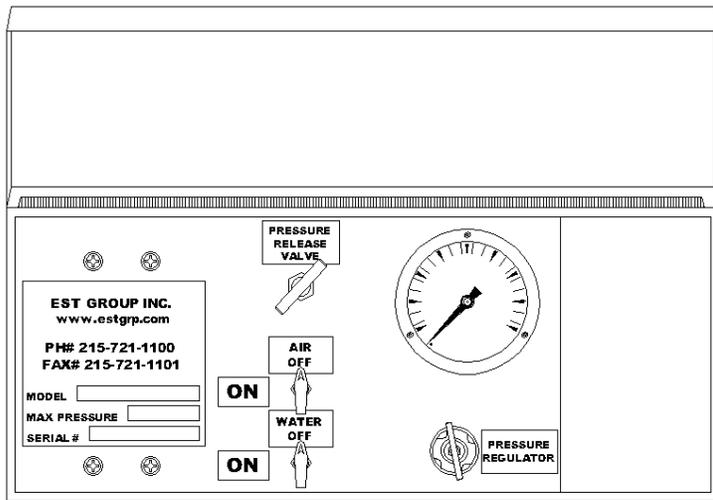
EST Group is a business unit of Curtiss-Wright Flow Control Company. **EST Group** provides a complete range of repair products, services and replacement parts covering the life cycle of tubular heat exchangers and condensers; additionally EST Group provides products and services to facilitate pressure testing pipe, piping systems, pressure vessels and their components. Visit EST Group on the Internet at <http://estgroup.cwfc.com>.



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VESSEL FILLING AND TESTING INSTRUCTIONS

1. Ensure the regulator is set at 0 PSI by turning counterclockwise.
2. Turn the air valve on pump to AIR OFF position. Close the PRESSURE RELEASE VALVE by turning clockwise until closed tight.
3. Connect compressed air supply to the AIR IN fitting on the back of the pump.
4. Fill the vessel to be tested with water by opening the Ball valve on the High Flow option. Air must be bled from the system at this time by opening pressure fitting(s) at the highest point(s) in the set-up and allow water to drain from the fittings until all air is excluded. Re-tighten all fittings after air is thoroughly bled.

CAUTION: MAKE SURE ALL AIR HAS BEEN BLED FROM THE SYSTEM BEFORE APPLYING TEST PRESSURE.

5. Begin hydrostatic testing by turning the air valve on the pump to ON, and slowly adjust the pressure regulator clockwise to achieve the desired test pressure.

CAUTION: MAKE SURE ALL GASES HAVE BEEN BLED FROM THE SYSTEM BEFORE TESTING. DO NOT STAND NEAR VESSEL WHILE UNDER PRESSURE.

6. Turn the valve on the pump to the AIR OFF position when the test pressure has been reached. Observe the pressure gage for a drop in pressure, which would indicate a leak.
7. After testing is complete turn the Ball Valve on the High flow option to the closed position. Release pressure by turning the PRESSURE RELEASE VALVE counterclockwise. Water will drain from the bottom of the pump.
8. Turn regulator counterclockwise to adjust pressure setting of pump to zero.
9. Disconnect the unit that has been tested and connect the next unit to be tested to the High Pressure Hose.
10. Repeat steps 1 through 9 until all assemblies have been tested.



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