

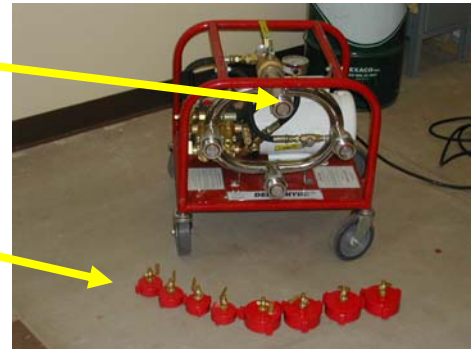
HT1250 Hose Tester

Hose Testing Procedure

1. Inspection
 - Each length of hose should be inspected for mildew, rot, chemical damage, burns cuts abrasion and vermin
 - Verify each section of hose has Serial number
 - Inspect couplings for damage
 - Length of hose under test should be less than 300 ft but easier to test smaller diameter hose in several sections
 - Test 2 ½ " hose in 50-ft lengths
 - Use a Sharpie to draw a circle around the hose at the junction of the hose and the coupling – one type of hose failure occurs when this mark moves away from the coupling
2. Connect 1½ " line from hydrant (behind the Fire Station) to HT1250 Tester
 - Double female adapter required at Tester
 - Don't pressurize hose



3. Test up to 4 hoses at time and connect one of the hoses to the highest Test Port on the Tester
4. Connect red end caps on each hose being tested, open petcock on end cap open to bleed air as hose is filled with water
5. The large valve with the yellow handle on top of Tester should be open. The small valve with the yellow handle near the bottom may be partially open.



SAFETY NOTE: Hoses may split when they are pressurized. This failure occurred during the September 2003 testing. Injury is possible from the water stream and the hose. No one should be closer than 30 feet to a pressurized hose during the testing unless they are dressed in their bunker gear with the face shield down. SCBA is not required.

6. Open the valve on the hydrant. The water fills the 1½ inch line from the hydrant to the Hose Tester, the Hose Tester and the hoses being tested. When the air has been bled from the Hose Tester and the hoses under test, close the petcock on each of the red end caps. The hoses are now pressurized to about the same pressure as the hydrant (typically 100 psi).
7. Plug-in Hose Tester to AC power and turn on toggle switch
8. After 10-15 sec delay, close the large valve with the yellow handle located at the top of the Hose Tester. The small valve with the yellow handle near the bottom of the Hose Tester may be partially open to minimize or eliminate water hammer if it occurs.

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9. With Tester on (Toggle switch up)
 - Pressure will rise slowly to level set by valve with large, circular black handle
 - Clockwise (counterclockwise) rotation raises (lowers) pressure of water discharged by Hose Tester
10. When pressure gage shows the test pressure has reached 300 psi, maintain the 300 psi test pressure for 3 minutes in one of two methods:
 - A) close the small valve with the yellow handle located near the bottom of the Hose Tester and turn the toggle switch off or
 - B) leave the small valve open and the the Hose Tester On and Off to maintain the 300 psi.



Note:

- Method B) is easier as it permits small amounts of leakage at any of the threaded connections (small leakage at these connections is permissible)
 - The small valve may also be closed/opened slightly to minimize or eliminate water hammer if it occurs
11. As each hose is completed, update the Hose Testing Records using the Serial Numbers of the hoses that passed the Visual and Pressure test
 12. For any hoses that failed either the Visual or Pressure tests, use a hacksaw to remove the connectors that the hoses cannot be used