

Part No. TVCS-6000-3 NSN: 4920-01-501-6218

The TTU-205 Precision Volume Tank (PVT) is used for functional, operational and accuracy testing of the TTU-205 Pressure Temperature Test Sets. The PVT provides calibration laboratories and repair activities the ability to perform proper Altitude and Airspeed Rate testing. The PVT is designed to directly emulate Aircraft Pitot Static system volumes. To ensure that the test set can adequately evacuate or pressurize these systems, it becomes necessary to simulate the volume conditions while checking the accuracy of its rate of climb or descent. Many Military and Commercial Aircraft have large volume requirements due to their particular mission environments. Testing with these size volumes can become an issue for some test sets, which is why it is imperative to perform additional testing with volumes.

Use of the PVT provides the confidence that the test set, and more importantly the internal pump, can perform the volume capabilities of the aircraft or unit under test. The PVT consists of three separate chambers with volumes for simulation of 100, 160 and 250 cubic inch loads. The volumes are welded together and rest on duty brackets with rubber feet. Each Tank is equipped with pneumatic fittings: 37° AN4 (for 100 and 160 cu.in. volumes) and 37° AN6 (for 250 cu.in volume).

A Volume Tank Hose Set (P/N: TVCS-6000-3-1) is available for use with TTU-205 and ADTS-3300JS Series test sets. It includes one (1) 8 ft Pitot and one (1) 8 ft Static hose with respective color coded red and blue quick disconnects.

- For testing of TTU-205/D, TTU-205/F, TTU-205/H and TTU-205/J test sets
- Proper simulation of Aircraft Pitot Static volumes for testing
- Provides confidence test set can adequately evacuate or pressurize the UUT

