

## FEATURES

- **DUAL STATIONS:** Independent testing pressures. Allows testing various valves simultaneously.
- **SAFETY SHIELDS:** swing out Lexan shields provide operator safety.
- **DATA ACQUISITION CONSOLE:** Able to record, store and manage test data. Can be saved in system, printed, or shared in a Network.



Barbee's Dual Station Tester is similar to our standard single-station TP Series but with two separate clamping fixtures and test systems. One station is designed to test flanged valves from 1/2" to 6" Class 150, and the other station is used for testing threaded valves from 1/4" to 2".

The stand testers use an air-driven hydrostatic test pump and test with water from 0-3000 PSI depending on the size of the valve being tested. This tester can also be used for testing relief valves (as shown in the photo) from 10 to 3000 PSI using a Nitrogen bottle or with an air-driven gas booster (optional adder).

A High Pressure air compressor with pressures up to 3000 PSI can also be used for the test pressure source along with high pressure storage bottles. For hydro-pneumatic relief valve testing, a "J-tube" design can also be incorporated where water for the test is pressurized with the nitrogen bottle or high pressure air through the "J-tube" and to the test port.

A Data Acquisition Console (shown in the photo above) complete with PC, Monitor, Printer, software and hardware can be included with the tester. Depending on the test pressure range, different pressure transducers are used and the test pressure is connected from the test stand to the console with a high pressure hose. The DAQ System is totally self-sufficient and can be used to store test data from either hydrostatic test pressures or relief valve testing pressures.

The DAQ Console, uses Windows-based software and can be easily programmed to fit the current test data test reports being used. The PC has a built-in CD writer to back up test data, Ethernet card for networking, and a printer to print test reports, as well as graphs. Valve serial numbers, model numbers, test technician information and test data results with a PASS/FAIL mode can all be stored, retrieved and transferred. The system not only collects test data, but manages them as well, ideal for maintenance testing of valves.

# Model TP-3000-DS Specifications

## TEST COMPONENTS:

Flanged, and threaded valves from 1/2" NPT to 6" 150# Class Flanged Valves.

## TEST PRESSURE:

0-3,000 PSI water for valves up to 2", 0-1000 PSI for flanged valves to 6". 0-100 PSI LP Air, 0-1000 PSI Nitrogen or Air (with a gas booster optional).

## CLAMPING FIXTURE:

10" diameter seal plate with o-ring grooves, and four manual hold-down clamps for either one or both test stations. A 2" full port quick disconnect may be used for the other test station for easy adapters of NPT valves.

Threaded valve adapter plates with quick disconnects are provided for testing NPT valves from 1/4" to 2".

## HYDROSTATIC SYSTEM:

**PUMPS:** Air-driven piston pump, 30:1 ratio adjustable from 150-3,000 PSI. On special units with a closed loop system, an air operated double-diaphragm pump, 0-100 PSI, 5-g.p.m flow is used as a Fill Pump.

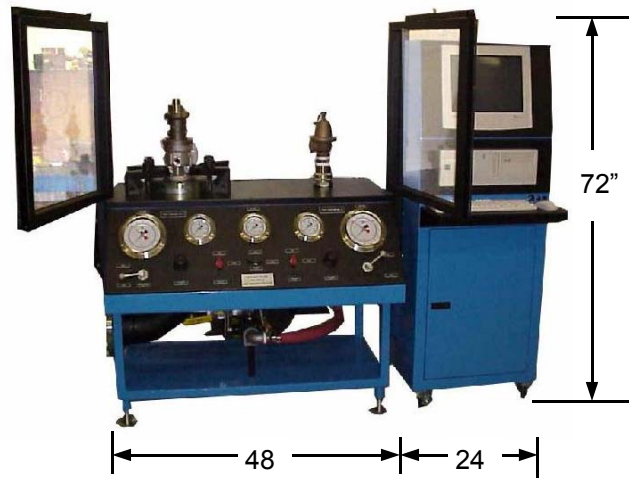
**GAUGES:** 6" dial panel-mounted gauges, with chrome bezel, 0.5% accuracy full scale 0-3000 PSI. An auxiliary gauge port is provided with quick disconnects for other gauge ranges.

**COMPONENTS:** All high pressure valves, tubing and fittings stainless steel. All gauges, valves and regulators are panel mounted.

## WARRANTY:

1 Year Full Warranty. (Refer to Barbee Terms and Conditions of Sale.)

VALVE TEST CAPABILITY				
ANSI CLASS	150	300	600	900
1/2"-2"	YES	YES	YES	YES
3"-5"	YES	YES	YES	NO
6"	YES	YES	NO	NO
10"-12"	YES	YES	NO	NO



DIMENSIONS: 60" L x 36" W x 72" H.

SHIPPING WT: APPROX. 1500 LBS.

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