

## FEATURES

- **MANUAL CLAMPS:** Four manual hold-down clamps for easy set up.
- **SAFETY SHIELDS:** ( Optional) swing out Lexan shields provide operator safety.
- **CHART RECORDER:** Optional Circular Pressure chart recorder, battery driven, 8" charts.
- **DATA ACQUISITION SYSTEM:** Can be supplied with self-contained Data Acquisition System, complete with software, hardware, PC, Monitor, and printer. (Refer to TP-DS Series Tester for details).
- **PANEL MOUNTED CONTROLS:** Panel mounted pressure regulator, valves and gauges for easy access and controls.



Barbee's TP Series Valve Tester is used to perform hydrostatic testing of valves and other components with water up to 5,000 PSI, depending on the size of the valves.

An air-driven piston pump is used to generate test pressures and is equipped with a 3.5 gallon stainless steel water tank, complete with vent-fill cap and liquid level gauge.

The test plate is a 24" square plate with a seal plate adapter with o-ring grooves to seal the flanged valves. Four sliding arms with manual actuation is used to clamp down on the flanges.

A drip pan below the test plate is used to catch the water and return it back to the tank or to the drain port.

The tester is equipped with a 4" dial gauge, panel mounted with a red-hand maximum pressure pointer, and a 0.5% accuracy, full scale with calibration certificate and sticker. An auxiliary gauge port with a quick disconnect is provided for mounting extra 6" dial gauges, all with mirror dials, red hand maximum pressure pointers and 0.5% accuracy full scale.

NPT adapters with a flange is provided for testing 1/4" to 2" threaded valves, with quick disconnects for easy assembly.

Panel mounted pump regulator, control valves, vent sight flows, and other controls are used for easy access and operation of the tester.

# Model TP-RV Specifications

**TEST COMPONENTS:**

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

**TEST PRESSURE:**

0-5000 PSI with water.

**CLAMPING FIXTURE:**

24" square test plate with four hold down clamps. O-ring grooves machined on the test plate for 1/2" to 6" flanged valves.

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

**RESERVOIR TANK:** 3 1/2 GAL. stainless steel with vent/fill cap, sight gauge, and drain valve, return port, suction screen, removable top.

**TEST SYSTEM:**

**HYDRO PUMPS:** Air-driven piston pumps, with ratios from 0-1000 to 0-5000 PSI

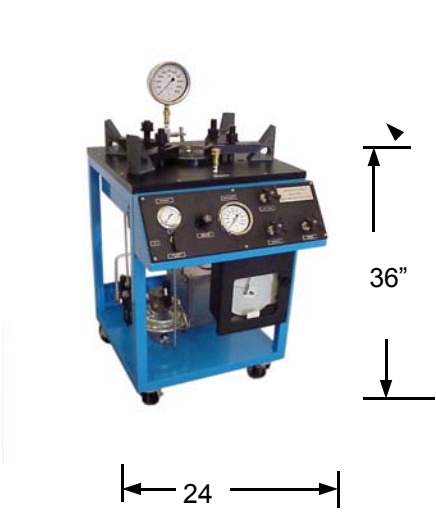
**GAUGES:** 4" dial panel-mounted gauges, with chrome bezel, 0.5% accuracy full scale 0-5000 PSI. An auxiliary gauge port is provided with quick disconnects for other gauge ranges.

**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



DIMENSIONS: 24" L x 24" W x 36" H.

SHIPPING WT: APPROX. 500 LBS.

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