

FEATURES

- **MANUAL CLAMPS:** Four manual hold-down clamps for easy set up.
- **SAFETY SHIELDS:** swing out Lexan shields provide operator safety.
- **ACCUMULATOR TANK:** Equipped with 2 air tanks, 2.9 gallon capacity. One for storage of air amplifier, other for test surge tank.
- **AIR DRIVEN GAS BOOSTER:** Supplied with air -driven amplifier for testing pressures to 500 PSI. (Tester for details).
- **PANEL MOUNTED CONTROLS:** Panel mounted pressure regulator, valves and gauges for easy access and controls.
- **ADAPTER PLATE:** equipped with adapter plate with quick disconnect for testing 1/2" to 2" NPT valves.



Barbee's Portable Relief Valve Tester, Model TP-RV-GB is designed to perform testing on pneumatic relief valves from 1/4" to 6" flanged with air pressures up to 500 PSI. Tester has an air-driven air amplifier to boost existing 100 PSI shop air to 500 PSI with a 120 PSI driving air pressure. A 2.9 gallon DOT tank is used to store the booster discharge pressure.

Flanged valves are clamped in place on the seal plate for testing. Threaded valves are connected to the flanged adapter plate with a quick disconnect from 2" to 1/2" NPT.

A panel mounted pressure regulator is used for testing, along with a 2.9 gallon DOT tank as the surge tank. A 1" NPT ball valve with actuator is connected to the test plate for isolation from the surge tank. This unique model is ideal for testing low pressure relief valves without the need for using high pressure Nitrogen bottles. The air amplifier can easily pressurize the tank in less than 15 minutes, depending in the shop air pressure and flows. A quick disconnect on the test plate allows different ranges of gauges to be used for testing. A 0-600 PSI gauge with a maximum pressure pointer is panel mounted.

Model TP-RV-GB Specifications

TEST COMPONENTS:

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

TEST PRESSURE:

0-500 PSI air

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".

ACCUMULATOR TANK: 2.9 gallon DOT tank for air amplifier storage, and another one for surge test pressure. Both tanks rated for 2100 PSI.

TEST SYSTEM:

Air driven amplifier, double-acting, 100 PSI inlet produces 500 PSI with a 100 PSI shop air.

SUPPLY VALVE: Air-actuated ball valve 1" with panel mounted actuator. Valves available from 1/2" to 2" depending on the tester requirements.

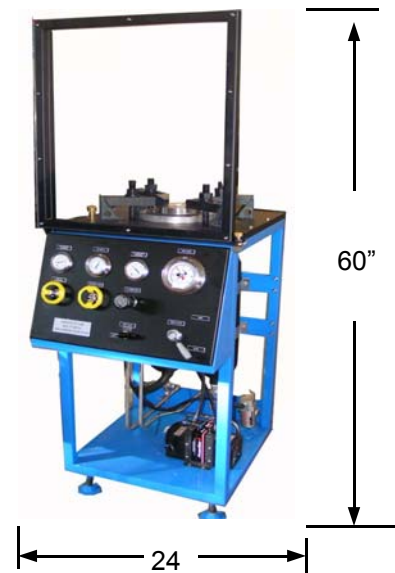
GAUGES: 4" dial panel-mounted gauges, with chrome bezel, 0.5% accuracy full scale 0-600 PSI. An auxiliary gauge port is provided with quick disconnects for other gauge ranges.

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
1/2"-2"	YES	YES
3"-5"	YES	YES
6"	YES	YES



DIMENSIONS: 24" L x 24" W x 60" H.

SHIPPING WT: APPROX. 600 LBS.

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