

FEATURES

- **MANUAL CLAMPS:** Acme screw clamp with seal plates with o-ring grooves
- **CLAMPING RANGE:** ability to clamp 1/2" to 8" flanged valves Class 150.
- **CONTROL CONSOLE:** Panel mounted control valves, gauges, and regulators, optional flowmeters for flow testing
- **PORTABLE TEST SYSTEM:** Swivel casters with breaks for easy portability.
- **VERSATILITY:** Can perform upstream and downstream seat tests as well as shell tests to 1125 PSI.



Barbee's MC Series Valve Tester is used to perform hydrostatic testing of valves from 1/2" to 8" flanged with pressures to 1125 PSI on smaller 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 fixture has two 10" diameter seal plates with o-ring grooves for sealing flanged valves. A panel mounted vent valve with a sight flow indicator is used to pre-fill and vent the valves prior to testing. An optional Low Pressure air regulator can be installed for performing seat tests with air from 0-100 PSI. A bubble jar can also be installed for this purpose.

The tester is equipped with a 4" dial gauge, panel mounted with a 0.5% accuracy, full scale with calibration certificate and sticker. Gauges installed will be a 0-300, 0-600 and a 0-1500 PSI range for the hydrostatic test pressures. Optional second set of gauges for downstream testing can be provided. Digital gauges can also be installed instead of analog gauges. The test stand cabinet and frame are powder coated, and the seal plates are hard anodized. All high pressure tubing and fittings are stainless steel.

Utilities required are: 100 PSI shop air and water for the reservoir tank. The tester can be modified for city water use instead of the reservoir tank. Approximate weight is 650 lbs. Crate dimensions are 48" L x 48" W x 60" H.