



The **Model DVR SERIES** is designed to test Control Valves, Ball Valves in the vertical position with a hydraulic actuated clamping fixture.

Standard features include:

- 150-ton clamping fixture with Safety Interlock. (100-ton clamping fixture available) 15" face to face valve clearance when fully retracted, 10inch stroke cylinder.
- 3000 PSI hydrostatic shell test, optional 10,000 PSI system available.
- 100 PSI air test with panel mounted regulator
- Powder coated cabinet and frame for long lasting durability
- Safety Lexan® shield with frame with Safety Interlock to prevent testing unless shield is closed
- Safety Hydraulic Interlock valve prevents accidental release of clamping pressure when valves are under test pressure.
- Drip pan with suction pump to re-circulate water back to storage tank
- Dual palm button clamping set up for added safety
- Panel mounted high pressure test regulator for precise pressure ramping up and down
- Can be configured with different clamping fixtures for higher test pressures and larger valves
- Can be configured with 4 independent test stations with isolation valves.



MODEL DVR SERIES MULTI STATION VALVE TESTER

TEST COMPONENTS:

Flanged valves from 1/2" to 6" up to 15" long (face to face).

TEST PRESSURE: 3000 PSI std. optional 10,000 PSI test system available. 100 PSI air tests.

CLAMPING FIXTURE:

150-ton hydraulic cylinder, 10 inch stroke. Seal plate has 1/2" NPT threaded outlet

HYDRAULIC SYSTEM: 15 gallon capacity hydraulic power unit to move clamping cylinder quickly. Air driven piston pump for clamping pressures up to 10,000 PSI.

WATER RESERVOIR: Built in 35 gallon stainless steel water reservoir with filtration system, centrifugal re-circulating pumps for continuous filtration. Optional water chiller and UV sterilizer set up available.

HYDROSTATIC SYSTEM:

PUMPS: Air-driven piston pump, 0-3000 PSI stand, optional 0-10,000 PSI hydrostatic test system.

GAUGES: 4" dial panel-mounted gauges, with chrome bezel, 0.5% accuracy full scale with Pressure Limiting Valves.

TEST REGULATOR: Panel mounted test regulator for precise pressure ramping up and down.

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

SAFETY FEATURES:

A Hydraulic Safety Interlock valve is installed in the circuit to prevent the accidental release of clamping pressure unless the test pressure is vented.

DATA ACQUISITION SYSTEM: Digital gauge, PC, monitor, and printer, keyboard, mouse. Software and hardware with cables.

WARRANTY:

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

VALVE TEST CAPABILITY						
ANSI CLASS	150	300	600	900	1500	2500
1/2" - 2"	YES	YES	YES	YES	YES	YES
4" - 6"	YES	YES	YES	YES	YES	YES

SHIPPING WT: APPROX. 3000 LBS.