



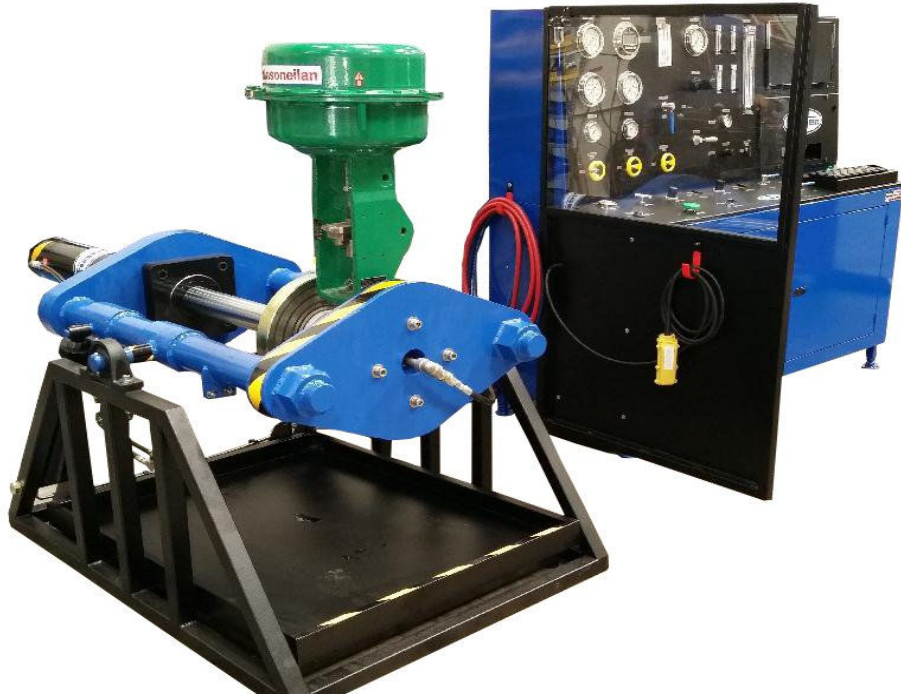
The **Model TF 100-DAQ** is designed to test Control Valves, Ball Valves in both the horizontal or vertical position with a hydraulic actuated tilting fixture.

Standard features include:

- 100-ton clamping fixture (150 ton clamping fixture available, capable of testing up to 16" valves.)
- 3000 PSI hydrostatic shell test, optional 10,000 PSI system available.
- 100 PSI air test with panel mounted regulator
- Panel Mounted flow meters for leak rate testing
- Built in Bubble Jar for bubble leak testing
- Stainless steel seal plates with o-ring grooves to seal on flanges from 2" to 12" ANSI
- Digital Gauge for Data Acquisition with RS-232 output signal
- Data Acquisition System with PC, flat screen, keyboard, mouse and printer
- Data Acquisition Software and cables
- Powder coated cabinet and frame for long lasting durability
- Bubble jar with adapter plates and clamps
- Safety Lexan® shield with frame
- Safety Hydraulic Interlock valve prevents accidental release of clamping pressure when valves are under test pressure.
- Safety Interlock prevents tilting fixture from tilting unless valve is clamped in place.
- Drip pan with suction pump to re-circulate water back to storage tank
- Optional Pendant Control for clamping and releasing operations

barbee

MODEL TF 100-DAQ CONTROL VALVE TESTER



MODEL TF100-DAQ SHOWN IN THE HORIZONTAL POSITION WITH SAFETY SHIELD MOUNTED ON CABINET AND PENDENT CONTROL .



**FULL PERIMETER SAFETY SHIELD SHOWN ABOVE .
TF 150T-DAQ FIXTURE SHOWN IN THE RIGHT: LARGER
SEAL PLATES, HIGHER CAPCITY CLAMPING FORCE.**





MODEL TF 100-DAQ CONTROL VALVE TESTER

TEST COMPONENTS:

Flanged valves from 1/2" to 12" up to 33" long (face to face). (1/2" to 16" on 150 ton fixture)

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

CLAMPING FIXTURE:

100-ton hydraulic cylinder, (150 ton cylinder available) 30 inch stroke. Seal plate has 1/2" NPT threaded outlet port with o-ring grooves to seal flanged valves from 3" to 12" 300# Class. Maximum diameter clearance of seal plates is 33" when fully retracted, 3" clearance when fully closed.

TILTING FIXTURE: Hydraulic actuated tilting feature can be controlled at various tilting angles. Hydraulic power unit used for fast, smooth operation of both clamping and tilting functions.

PENDENT CONTROL: Optional pendent control to activate tilting and clamping functions for one-man operation.

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. Gauge ranges are: 0-300, 0-600, 0-1,500 & 0-3,000 PSI.

FLOWMETERS: 0.5 TO 1800 SCFH panel mounted flow meters. Bubble leak jar with adapter plates.

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 | | | | 100 TON | 150 TON |
|-----------------------|-----|-----|-----|---------|---------|
| ANSI CLASS | 150 | 300 | 600 | 900 | 2500 |
| 1/2"-2" | YES | YES | YES | YES | YES |
| 3"-5" | YES | YES | YES | YES | YES |
| 6"-8" | YES | YES | YES | NO | NO |
| 10"-12" | YES | YES | NO | NO | NO |

SHIPPING WT: APPROX. 3000 LBS.

