

The **Model LHF-300** is designed to test Control Valves, and ball valves in the horizontal position up to 24".

Standard features include:

- 300-ton clamping fixture with Safety Interlock.
- 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 6" to 24" ANSI class 300
- 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.
- Drip pan with suction pump to recirc water back to storage tank
- Optional Pendant Control for clamping and releasing operations



MODEL LHF-300 HORIZONTAL VALVE TESTER

TEST COMPONENTS:

Flanged valves from 1/2" to 24" up to 48" long (face to face).

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

CLAMPING FIXTURE:

300-ton hydraulic cylinder (available with 600ton) , 48 inch stroke. Seal plate has 1/2" NPT threaded outlet port with o-ring grooves to seal flanged valves from 6" TO 24" 300# Class. Maximum diameter clearance of seal plates is 54" when fully retracted, 6" clearance when fully closed.

HYDRAULIC SYSTEM: 30 gallon capacity hydraulic power unit to move clamping cylinder quickly. Air driven piston pump for clamping pressures up to 10,000 PSI.

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.

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.

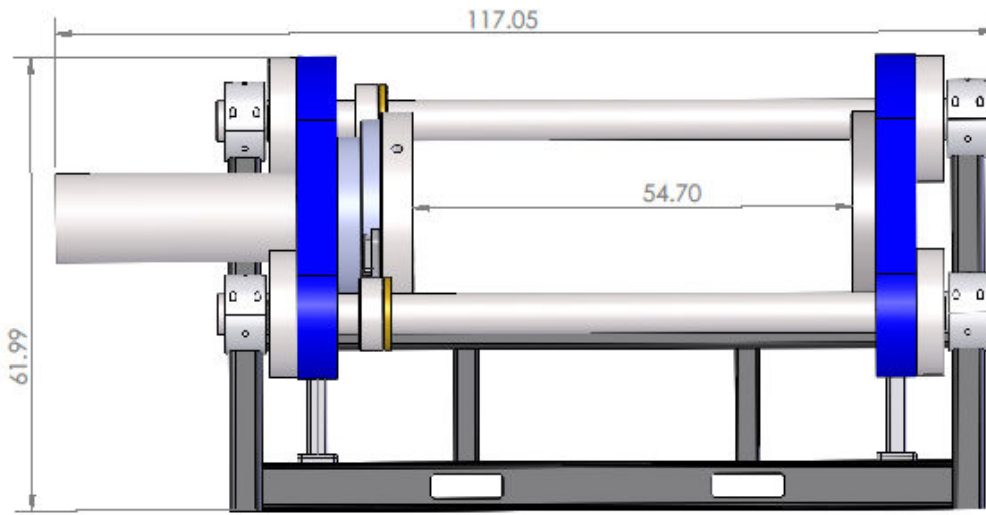
DATA ACQUISITION SYSTEM: Digital gauge, PC, monitor, and printer, keyboard, mouse. Software and hardware with cables.

WARRANTY:

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

VALVE TEST CAPABILITY				300	TON	FIXTURE
ANSI CLASS	150	300	600	900	1500	2500
6"-8"	YES	YES	YES	YES	YES	YES
10" -12"	YES	YES	YES	YES	NO	NO
14" -16"	YES	YES	YES	NO	NO	NO
20"-24"	YES	YES	NO	NO	NO	NO

SHIPPING WT: APPROX. 15,000 LBS.

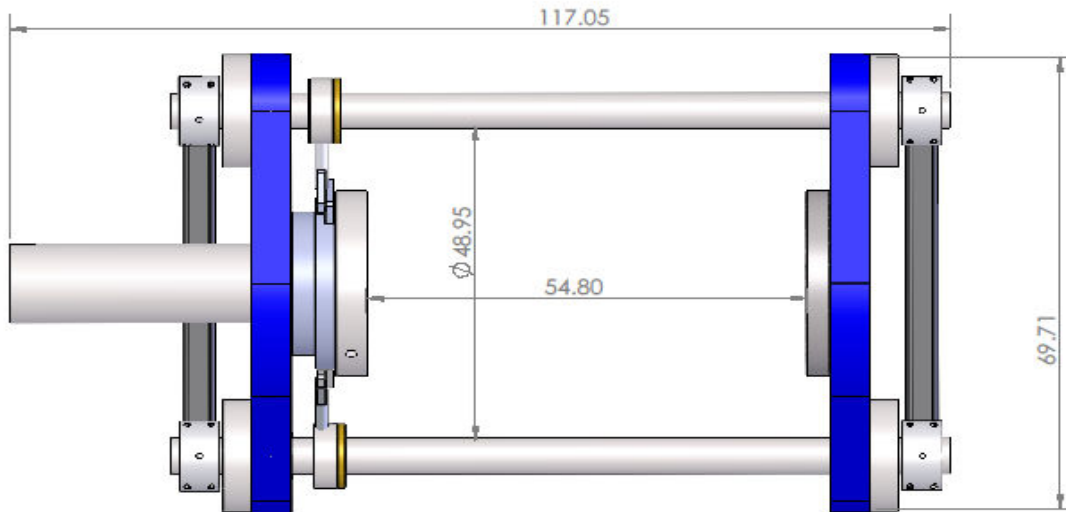


300-TON CLAMPING FIXTURE CAN BE MODIFIED FOR DIFFERENT LENGTHS

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		ANGULAR: MACH ± BEND ±	MFG APPR.			
		TWO PLACE DECIMAL ±				
		THREE PLACE DECIMAL ±				
		INTERPRET GEOMETRIC TOLERANCING PER:				
		MATERIAL:				
		FINISH:				
NEXT ASSY	USED ON					SIZE DWG. NO. REV
						A LHF-300-COMPLETE DRW1

14,000lbs



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		MATERIAL:				
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NEXT ASSY	USED ON					SIZE DWG. NO. REV
						A LHF-300-COMPLETE DRW2
APPLICATION	DO NOT SCALE DRAWING					SCALE: 1-48 WEIGHT: SHEET 1 OF 1



CONTROL CONSOLE WITH FLOW METERS AND DATA ACQUISITION SYSTEM

