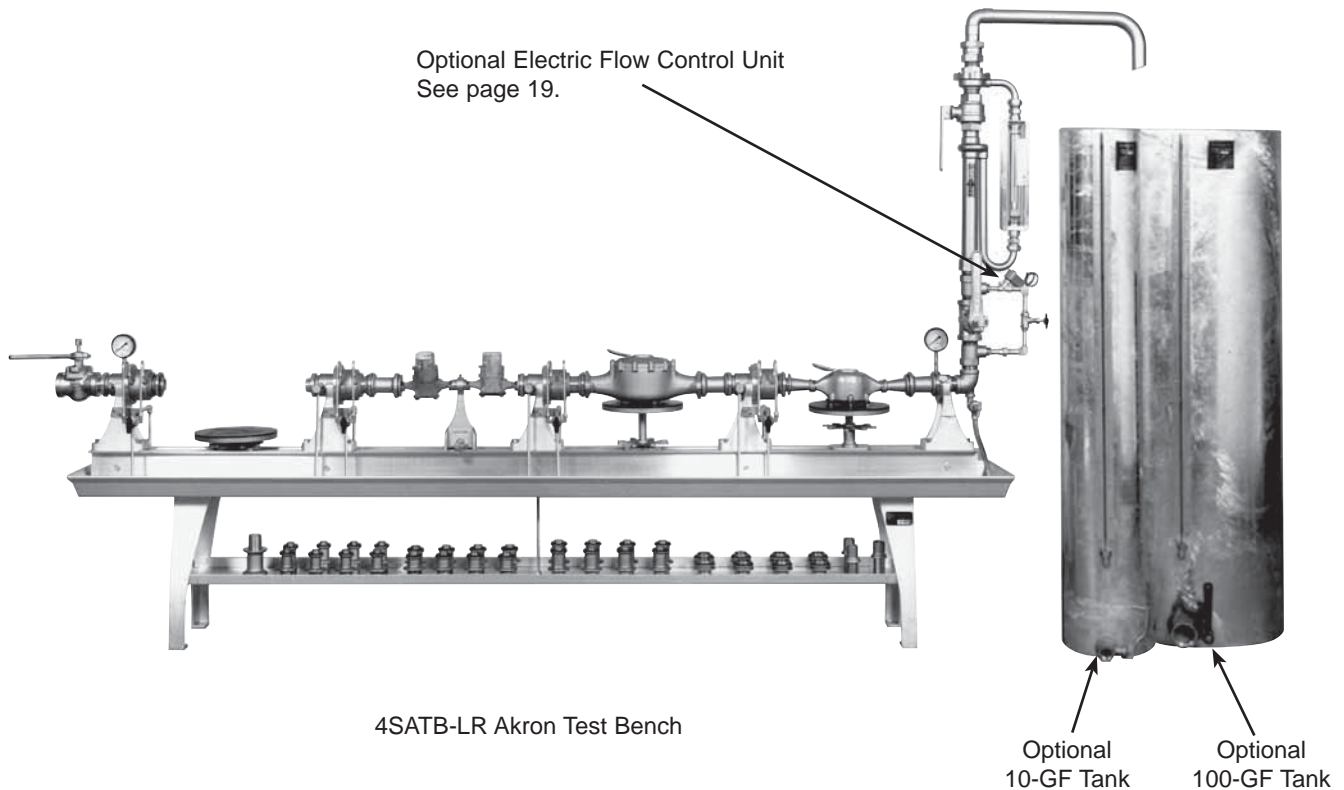


Ford Akron Type Test Benches

For Large Meters

Akron Type Test Benches are designed primarily for testing 1-1/2" and 2" meters but can hold smaller sizes with optional adapters. Benches are available for testing from one to four meters at a time. Each unit includes an adjustable plate or table for supporting and positioning the 1-1/2" and 2" meters and a hydraulic cylinder for clamping the meter water tight. Benches are made in two models: the S style for testing up to 2" disc type meters 17" long, the L style for up to 2" compound meters 21" long.

Each testing unit includes adapters for 2", 1-1/2" and 1-1/4" meters. Optional adapters are available for 1" (Catalog Number AD-4), 3/4", 5/8"x3/4" and 5/8" meters (Catalog Number AD-3S or AD-3L) at extra cost. In testing the latter two sizes (both 7-1/2" long), they are placed two in each unit with a removable center support. 3/4" meters are placed two in each unit on the L style bench and only one per unit on the S style. If a large number of 5/8" through 1" meters are to be tested, we recommend a Standard or Indianapolis Type Bench. Akron Benches are designed for only occasional testing of small meters.



Pictured above is a Number 4 Akron Type Test Bench with Double Range Testrate Indicator and with units arranged to demonstrate versatility of adapting to various sizes of meters. The first unit at the left is prepared to receive a 2" disc meter. The second unit contains two 5/8"x3/4" meters; the middle support (HT-10) is removable. The third unit contains a 1-1/2" disc meter with flanged ends. The fourth unit at the right end is adapted to receive a 1" meter. Actual test require the same size meters or idlers. Benches are not functional to a mixture of sizes. The Electric Flow Control Unit at bench outlet is **not** included but is available and is convenient for stopping slow flows at end of test.

Ford Akron Type Test Benches

Akron Test Benches include the following:

1. Hydraulic clamping cylinder and adjustable pedestal for each unit
2. 2" valve at inlet and outlet
3. Bleeder or adjusting valve at outlet of each unit
4. Pressure gauges at inlet and outlet of bench
5. Double Range Testerate Indicator with flow adjusting valve
6. All necessary adapters and gaskets for 1-1/4" flanged meters, 1-1/2" and 2" flanged and tapped meters
7. 2" Idlers for all but one meter testing station
8. Globe style blow-off valve at outlet of bench

Inlet valve is tapped for 2" pipe connection 38" above the floor. Top of Double Range Testerate Indicator at outlet of Akron Bench is 90" above floor.

NOT INCLUDED ARE: discharge pipe, because of wide variation in delivery piping desired; Calibrated Test Tanks (see page 18); Electric Flow Control Unit (see page 19); Adapters for 5/8" through 1" Meters.

ACCESSORIES AVAILABLE AT ADDITIONAL COST: Adapters for meters 1" and smaller; Electric Flow Control Unit (see page 19) for automatic stopping of intermediate and low flow test runs; Akron Type Tester Clamp for 3", 4" and 6" meters (see below).

CATALOG NUMBER		NO. OF UNITS	MAXIMUM LENGTH OF METER	LENGTH OF PAN	WIDTH OF PAN	APPROX. SHIPPING WT. LBS.
FLOW LEFT TO RIGHT	FLOW RIGHT TO LEFT					
1SATB-LR	1SATB-RL	1	17"	54"	14"	550.0
2SATB-LR	2SATB-RL	2	17"	70"	16-1/2"	700.0
3SATB-LR	3SATB-RL	3	17"	102"	16-1/2"	880.0
4SATB-LR	4SATB-RL	4	17"	134"	16-1/2"	990.0
1LATB-LR	1LATB-RL	1	21"	54"	16-1/2"	600.0
2LATB-LR	2LATB-RL	2	21"	86"	16-1/2"	750.0
3LATB-LR	3LATB-RL	3	21"	118"	16-1/2"	940.0
4LATB-LR	4LATB-RL	4	21"	134"	16-1/2"	1090.0

Ordering Information – Options Available

Please order by Catalog Number. Indicate desired direction of flow – right to left or left to right as operator faces bench. (Picture on page 14 shows flow left to right). Specify adapters for 1", 3/4", 5/8"x3/4" or 5/8" meters if desired. Akron Type Benches include Double Range Testerate Indicator. Electric Flow Control Unit (see page 19) and Calibrated Tanks (see page 18) are optional equipment.

A 2" Swing Discharge Pipe with 24" reach (complete with swivel union) is available. Catalog Number SDP-7.

Akron Type Tester Clamp for 3", 4" and 6" Meters

The Akron Type Test Bench can be adapted for testing 3", 4" and 6" meters by means of accessory equipment shown in the picture at right. The two ells, connected by a solid bar, are clamped in one of the bench units, the same as a 2" meter. Two 6-foot lengths of 2" diameter hose connect the ells to meter flanges of 3", 4" or 6" sizes, which are interchangeable and which bolt to meters for testing.

Even with moderate pressure available, the rate of flow is well beyond the 100 gpm recommended for minimum rate testing of many types of 6" meters. NOTE: Flow tests may not be accurate due to specific meter application requirements, which may include straight runs before and after the meter.

The large meter can be placed on the floor, or in a pan, in front of the Akron Type Bench. The bench with the tester clamp provides convenience in connecting the meter for test, valves for control and adjustment of test flows, and the Double Range Testerate Indicator for accurate indication of test flow rates.

Each Akron Type Tester Clamp includes parts shown in the picture at right, plus flanges for 3", 4" and 6" meters.



Ordering Information

Please order by the Catalog Number: **TC-A**