



# TESCOR

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## LOW AIR FLOW TEST BENCH: 4 to 250 CFM



Tescor manufactures a wide range of Air Flow Test Benches for use in determining fan performance as well as for determining air side enthalpy measurements for testing of heat exchangers. Our Air Flow Test Benches are custom built to meet the customer's requirements and can be provided with manual controls or fully automatic data acquisition and control systems.

Tescor designs and manufactures each one of its air flow test benches in accordance with standards put forth by ANSI/ASHRAE 51 and ANSI/AMCA 210. Tescor designed and constructed Air Flow Test Benches will yield a repeatability of 1% or better.

### ❑ **Standard Features AFTB250**

- Air Flow Tunnel formed from clear Lexan® and Aluminum Tubing
- AMCA air flow nozzles interchangeable: 0.5", 0.687", 1", 1 ½", 2", 2 ½"
- Automatic centering of nozzles
- Tool less nozzle switchover with speed clamps.
- Leak free Nozzle Plate installation with O-rings seals
- Manual Bypass damper for low flow operation
- Fixed speed Pressure Blower 120V, 5 A Plug in utility cord
- Heavy Duty Utility Cart with casters and storage space for all nozzles

### ❑ **Performance Measurement**

- Air Flow Range from 4 cfm to 250 cfm
- Stability of 1% or better
- 1% repeatability of test results



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- **Hardware Options**
  - Analog Inclined Manometers for Nozzle and Test Unit Differential Pressure readings
  - Pressure transducers to measure UUT differential pressure, Barometric Pressure and nozzle differential pressure
  - Fan speed, voltage and current transducers
  - Motorized Bypass dampers for low flow operation
  - Can be user configured to be a draw through or push through system
  - Variable Speed System Blower
  
- **Software Options**
  - Create Tests And Sequences for Automatic Operation
  - User configurable data acquisition channels
  - User configurable calculation channels
  - Loop Calibration Utility
  - Dedicated hardware checkout routine
  - Color coded stability status indicators
  - Stability tolerance adjustment on the fly
  - Time-history graphing capability
  - Automatic Test Report Generation
  - Data File Management and Search Tools

Note: The specifications shown above are typical. Tescor can customize your system to provide the performance that you desire.

Tescor manufactures a full line of Climate Control Test Equipment for the Automotive and HVAC marketplace including the following: *A/C System Calorimeters, Surface Calorimeters, Clutch Test Stands, Compressor Noise Test Benches, Compressor Audit Benches, Psychrometric Test Rooms, Balanced Ambient Calorimeters, Compressor Slug Test Benches, Compressor Endurance Test Stands, and Environmental Test Chambers.*