

HVAC TESTING EQUIPMENT

Code Tester Tunnels

Tescor's custom-built test benches provide precision measurement of fan performance and air side enthalpy in heat exchangers

With the ability to provide solutions ranging from small and basic to large and complex, Tescor's code testers can be built to your specifications. These can be provided with manual controls or fully automatic data acquisition and control systems. Applicable across industries they provide excellent airflow measurement and testing capabilities. Let Tescor work with you for the best solution.

Key Benefits:

- Tescor designed and constructed air flow test benches will yield a repeatability of 1% or better
- Air Flow Range from 4 CFM to 40,000 CFM with a 30:1 turndown ratio typical
- Control stability of 1% or better
- 1% repeatability of test results

Applications and Test Types:

- Stand-alone fan and blower air flow testing
- Packaged HVAC unit testing
- Air side enthalpy determination (heating and/or cooling) applications
- Fan/blower motor testing

Specifications:

- Air Flow Test Bench Features
 - Air flow tunnel formed from clear lexan® or urethane insulated panels
 - Shear-type centrifugal mixers to thoroughly mix the unit under test (UUT) discharge air
 - Venturi-type nozzle to correct air flow uniformity
 - Air flow sampling system to obtain accurate dry bulb, wet bulb or dew point temperatures
 - AMCA air flow nozzles with manual or automated dampers
 - Variable speed system blower
 - Can be user configured to be a draw through or push through system
 - Accurate pressure transducers to measure UUT differential pressure, Barometric pressure and nozzle differential pressure
- DC power supply to control fan voltage in automotive applications
- Fan speed, voltage and current transducers
- Bypass dampers for low flow operation
- Software
 - 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

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