

Air Flow Measurement



Visteon's air flow measurement laboratory provides a comprehensive range of testing and calibration services. The lab encompasses a wide flow range with capabilities to include:

- Flow mapping of:
- Air Intake Manifolds
 - Throttle Bodies
 - Air Induction Systems
 - Automatic leak testing of air induction systems
 - Manifold burst/backfire and pulsating flow testing
 - Automotive HVAC duct flow testing

Air Induction System filtration testing evaluates air induction components (including: air filter components, filtration media and sensors) under various flow rates and controlled levels of contamination.

Visteon provides test expertise in the areas of: throttle bodies, intake assemblies, air induction systems, air flow sensors, climate control sensors and other automotive and non-automotive systems. Calibration services include:

- Air flow calibration of numerous types of flow meters
- Pressure and temperature sensors

Laboratory capabilities include:

- High accuracy development air flow stands (+/- 0.300% @ 95% confidence)
- Air leakage stands
 - Leak Rate
 - Dust Tracking
- Air flow restriction stand
- Manifold burst/backfire stand
- SAE filtration stand
- Filter media migration stand
- Air flow tunnel
- Evaporator, heater, air flow development stands



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