

United McGill™ products

**McGill AirFlow LLC**

An enterprise of United McGill Corporation —  
Family owned and operated since 1951

# Introducing McGill AirFlow's New Leak Detective® Test Station for HVAC duct systems

a McGill AirFlow™ product

*The Test Station is easy to transport and maneuver in vehicles and at the jobsite, including on stairways.*

McGill AirFlow continues to improve duct system leakage testing with the introduction of our Leak Detective Test Station. After considerable user input, product development, and field testing, we are now offering the HVAC industry a new product concept for testing duct leakage in the most accurate, reliable, and easy manner possible. The Test Station uses calibrated venturi tube/flow meters instead of orifice plates to measure the amount of air leakage. The venturi tubes have been mated with all new state-of-the-art components — blower, silencer, controls, gauge, meters, and smoke generator, and packaged in a compact, self-contained, ergonomically-designed, wheeled Test Station that is easy to operate, transport, and move around the jobsite.



*McGill offers venturi tubes linked with airflow meters for four different leakage measurement ranges.*



*The self-contained Test Station sets up quickly with all testing components on board.*

**Patent No. US D631,901 S  
Patent Pending**



The central control panel is designed for simple operation and convenient observation of test results.

### Major Components Included and Stowed on Board

- Fully-enclosed, self-contained, lockable, four-wheel, construction-grade cabinet with lifting handles and writing surface
- Machined venturi tube – up to four can be carried in the Test Station, with linked airflow meters.
- Heavy-duty, threaded, inlet and outlet tubes for each venturi tube
- Digital static pressure gauge
- Digital airflow meter, for both supply (positive) and exhaust (negative) duct systems, with direct scfm leakage readout.
- Color-coded vinyl tubing for static pressure gauge and airflow meter connections
- Variable speed blower, with gradual control – used for all four leakage test ranges
- Silencer at blower inlet
- Heavy-duty, flexible duct to connect to duct system and venturi tube
- Bellmouth for negative pressure leakage testing
- Smoke generator with connections and control
- Central control panel with static pressure gauge, leakage airflow meter, blower speed control, off/on power switch, and smoke generator switch
- Single 110-volt electric connection and auxiliary outlets
- Operation Instructions Card and Manual
- Professional Engineer’s letter certifying calibration of venturi tube with airflow meter
- Compartmentalized storage for all components

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Leak Detective® is a registered trademark, and United McGill™ and McGill AirFlow™ are trademarks of United McGill Corporation.

Products depicted in this brochure were current at the time of publication. As a quality-conscious manufacturer, McGill AirFlow is continually seeking ways to improve its products to better serve its customers. Therefore all designs, specifications, and product features are subject to change without notice.

Features	Benefits
Self-contained package	Ready to use
Operation Instructions Card and Manual	Easy to read and use
Construction site design	Durable
Integrated system	Safe to use
Compact, light-weight design	Maneuverable and portable, on stairways and in vehicles
Machined venturi tubes, instead of orifice plates	Reliably accurate without recalibration
Four venturi tube/flow meter choices for leakage ranges	Versatile
Variable speed blower, without damper	Easy to use and accurate
Silencer for blower	Controls noise
Digital static pressure gauge and airflow meter, instead of manometers and charts	Easy to use and accurate
Venturi tube and linked airflow meter calibrated and certified by Professional Engineer	Reliable and meets leakage specifications
Color-coded tubing	Simple to connect
Quick conversion from positive to negative testing	Easy to use
Smoke generator included	Versatile
Central control panel	Easy to operate and observe test results
Storage compartments	A good place for everything needed
<u>Optional</u> data recording	Record keeping

For more information about the Leak Detective Test Station, please contact the McGill AirFlow sales associate nearest you or one of the contact points listed in the address below.

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