

## Product Data Sheet

Manufacturer : Airflow Developments

Model : HVLT & LVLT Duct Leakage

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### THE FAST WAY TO TEST FOR AIR LEAKAGE

These two units provide a comprehensive choice of equipment to test and quantify air leakage. Virtually anywhere low pressurisation is necessary, laboratory clean rooms, test cells or sealed enclosures, Airflow Leakage Testers provide a fast accurate measurement solution. The method of measuring the air flow rate is a primary standard using conical inlets directly related to BS848 Part 1. Electronic speed control (HVLT) and manual damper control (LVLT) is provided to adjust the flow rate/pressure delivered by the unit.

Both units are portable in the average estate car and will allow periods of testing even in arduous site conditions. The new, state of the art, LM1 Electronic Leakage Manager offers instant measurement, display and control of system performance

### AIRFLOW LEAKAGE TESTER



### FEATURES

- Flow control in Metric or Imperial units
- Instantaneous display of leakage and test pressure
- Auto zero facility
- Certificate of Calibration to National Standards
- Flow measurement to BS848 (Part 1)
- Adjustable angle clamps

### BENEFITS

- No more levelling or topping up of fluid manometers

- Portable, fits an estate car
- Time saving instantaneous on site readings
- Models available for low velocity and high velocity testing

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**APPLICATIONS**

- AHU, Grille, Diffuser & Linear Pressure testing.
- Enclosures and laboratory testing for COSHH
- HVAC ductable, Plenum and Damper checks
- Automotive testing
- Testing to DW143 class A,B,C and D ductwork.

SPECIFICATION	LVLT	
Air performance at max air speed	354 l/s @ 500Pa 189 l/s @ 1000Pa 1274 m <sup>3</sup> /Hr @ 500Pa 680 m <sup>3</sup> /Hr @ 1000 Pa	750 cfm @ 2 ins wg 400 cfm @ 4 ins wg
DW143 Classification (ABCD)	A B	
Motor Data	2850 rpm max speed 1.1 kW single phase 50Hz 110v (13amp) 240v (6amp)	
Flow rate/pressure control	Manual damper	
Flexible ducting 3.7 metres long with end fitting	203mm (8") diameter	
Overall size Trolley	1370mm long 570mm wide 600mm high	4' 5" long 1' 8" wide 2' high

SPECIFICATION	HVLT	
Air performance at max air speed	110V Unit 50 l/s @ 2500 Pa 180 m <sup>3</sup> /Hr @ 2500 Pa  240V Unit 67 l/s @ 2500 Pa 241 m <sup>3</sup> /Hr @ 2500 Pa	110V Unit 106cfm @ 10 ins wg  240V Unit 142cfm @ 10 ins wg
DW143 Classification (ABCD)	A B C D	
Motor Data	7000 rpm max speed 0.5kW brush motor 110v (10amp) 240v (6amp) NOTE: Continuous use will accelerate brush wear	
Flow rate/pressure control	Speed controller	
Flexible ducting 3.7 metres long with end fitting	102mm (4") diameter	
Overall size Trolley	1050mm long 570mm wide 590mm high	3' 4" long 1' 8" wide 1' 9" high

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