

COBRA Duct Leakage Tester

The Cobra model duct leakage tester has been engineered to handle the most common commercial jobs. This duct leakage tester includes everything you need to perform a professional duct leakage test. Unit can measure from 9 to 680 cfm of air leakage (see table below).

Standard Features:

- 115v/1ph/15A operation.
- Precision variable speed controller.
- 12.5 ft of 5-inch diameter flex-duct (not shown).
- 20 ft of pressure tubing.
- Set of four (1" to 4") orifice plates with +/- 2% error.
- Certified calibration certificate for each orifice plate.
- NEW easy to change Twist-Lock orifice plates.
- Simple to use analog gauges.
- No-flat tires and upper locking casters for horizontal transport and usage.

Options:

- Digital pressure gauges.
- Low-flow 1/2" orifice plate for 1 to 10 cfm.
- Smoke machine.
- Dust cover with zippered front access.
- 230v/1ph/8A/50-60Hz (w/ speed controller).
- Inlet slide gate for flow control (no controller)

Compliant with Following Standards:

- EN 1507, Ventilation for Buildings - Sheet Metal Air Ducts with Rectangular Section - Requirements for Strength and Leakage.
- EN 12237, Ventilation for Buildings - Ductwork - Strength and Leakage of Circular Sheet Metal Ducts.
- Eurovent 2/2, Leakage Rate in Sheet Metal Air Distribution Systems.
- DW/143, Ductwork Leakage Testing.
- SMACNA Air Duct Leakage Test Manual.



Cobra model

(Shown with optional digital gauges)

Leakage Capacity of Orifice Plates

Test Pressure (in.wg.)	Recommended Flow Range of Orifice Plate							
	1-inch Plate		2-inch Plate		3-inch Plate		4-inch Plate	
	Min Flow (cfm)	Max Flow (cfm)	Min Flow (cfm)	Max Flow (cfm)	Min Flow (cfm)	Max Flow (cfm)	Min Flow (cfm)	Max Flow (cfm)
0.10	9	47	34	180	82	440	175	680
1	9	44	34	170	82	420	175	650
2	9	42	34	165	82	410	175	645
4	9	36	34	140	82	375	175	600
6	9	29	34	115	82	290	175	465
8	9	19	34	75	82	195	175	350
9	9	12	34	45	82	130	175	250

Minimum flow based on 0.40 in.wg. pressure drop across orifice plate. Customer may choose to measure smaller pressures.