

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. Each tester can measure from 4 to 320 L/s of air leakage depending on test pressure. Use the table below to assist with matching tester/plate performance to your requirements

Standard Features:

- 230v/1ph/8A/50-60Hz operation.
- Precision variable speed controller.
- 3.8m of 125mm diameter flex-duct (not shown).
- 6m of pressure tubing.
- Set of four (25 to 100mm) orifice plates with +/- 2% error.
- NEW easy to change Twist-Lock orifice plates.
- Certified calibration certificate for each orifice plate.
- 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 0.5 to 5 L/s applications.
- Smoke machine.
- Dust cover with zippered front access.
- 115V/1ph/15A/50-60Hz (w/ speed 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 VFD and optional digital gauges)

Leakage Capacity of Orifice Plates

Test Pressure (Pa)	Capacity of Orifice Plates							
	25mm		50mm		75mm		100mm	
	Min Flow (L/s)	Max Flow (L/s)	Min Flow (L/s)	Max Flow (L/s)	Min Flow (L/s)	Max Flow (L/s)	Min Flow (L/s)	Max Flow (L/s)
25	4.2	22	16	85	39	208	83	321
250	4.2	21	16	80	39	198	83	307
500	4.2	20	16	78	39	194	83	304
1000	4.2	17	16	66	39	177	83	283
1500	4.2	14	16	54	39	137	83	219
2000	4.2	9	16	35	39	92	83	165
2250	4.2	6	16	21	39	61	83	118

Minimum flow based on 100 Pa pressure drop across orifice plate. Customer may choose to measure smaller pressures.