

Model Rhino Duct Leakage Tester

The RHINO has been engineered for the most demanding jobs. The RHINO includes everything you need to perform a professional duct leakage test. Each tester comes with one calibrated orifice plate, your choice. Additional plates may be purchased separately. Use the table below to assist with matching tester/plate performance to your needs.

Standard Features:

- Unit is fully assembled and ready for use.
- 12.5 ft of 8-inch diameter flex-duct (not shown).
- 20 ft of clear pressure tubing.
- 5hp, 50/60Hz, 3ph motor wired for 240V.
- Choice of one orifice plate with +/- 2% error.
- Certified calibration certificate.
- Inlet slide gate for flow control.
- Simple to use analog gauges.

Options:

- Digital pressure gauges.
- Variable speed controller (VFD) for precise speed control when testing at lower pressures or leakage.
- 240v/1ph input for jobs where 3ph power is unavailable; includes variable speed controller.
- Additional orifice plates.

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.



Tester 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		5-inch Plate		6.25-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)	Min Flow (cfm)	Max Flow (cfm)	Min Flow (cfm)	Max Flow (cfm)
0.25	9	50	37	200	85	440	160	840	260	1260	455	1700
2	9	45	37	185	85	410	160	785	260	1185	455	1550
4	9	41	37	165	85	375	160	720	260	1100	455	1420
6	9	38	37	155	85	350	160	660	260	1010	455	1330
8	9	35	37	140	85	310	160	590	260	905	455	1185
10	9	30	37	120	85	270	160	515	260	805	455	1035
14	9	19	37	75	85	170	160	325	260	510	455	660
16	9	13	37	55	85	120	160	225	260	365	455	480

Using flex-duct will reduce the capacities listed.