

# Active Ventilation Products Inc.

## TEST REPORT

### SCOPE OF WORK

This report gives the results of air leakage and flow rate testing on a vent. The sample was selected and supplied by the client and was received at the laboratories on:

July 16, 2024

The sample appeared to be in new unused condition upon receipt.

### MODEL NUMBER

KV-4-TP

Keepa Vent, 4" Diameter, 11" Collar & Tail Pipe

Roof Jack Vent Cap for Flat Roofs & Exhaust Duct Applications

### PROJECT NUMBER

G105373958

### REPORT NUMBER

105373958CRT-002b

### ISSUE DATE

July 29, 2024

### REVISED DATE

10/1/2024

### TEST DATE

July 16 - 24, 2024

### DOCUMENT CONTROL NUMBER

DIFF.PKT.2022

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**REPORT NUMBER**  
105373958CRT-002b

**MODEL NUMBER(s)**  
KV-4-TP, Keepa Vent, 4" Diameter, 11" Collar & Tail Pipe

**REPORT RENDERED TO:**  
Active Ventilation Products Inc.  
311 1st  
Newburgh, NY 12550

**AUTHORIZATION**

The testing performed was authorized by signed quote number Qu-0133691-6.

**TEST STANDARDS**

ANSI/AMCA Standard 500-L-23, entitled "Laboratory Methods of Testing Louvers for Rating".

In Charge of Testing:



Joey Esce  
Project Engineer  
Acoustical Testing

Reviewer:



Brian Cyr  
Engineer  
Acoustical Testing

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**SAMPLE INFORMATION**

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**ITEMS RECEIVED**

Item No.	Control No.	Model No.	Description	Received
1	CRT2407161018-002	KV-4-TP	Keepa Vent, 4" Diameter	July 16, 2024

**DESCRIPTION OF TEST SPECIMEN**

The sample consisted of an exhaust vent cap. The inlet measured 3-3/4 inches in diameter and the vent cap measured 7-1/2 inches in diameter. The gap between the cap and collar was measured to be 1-1/2 inch.

**SAMPLE PHOTOS**



**TEST METHODS**

Air Performance testing was conducted in accordance with ANSI/AMCA Standard 500-L-23, entitled "Laboratory Methods of Testing Louvers for Rating"

Air Volume was measured employing metering stations containing appropriately sized orifice plates.

**RESULTS OF TESTS**

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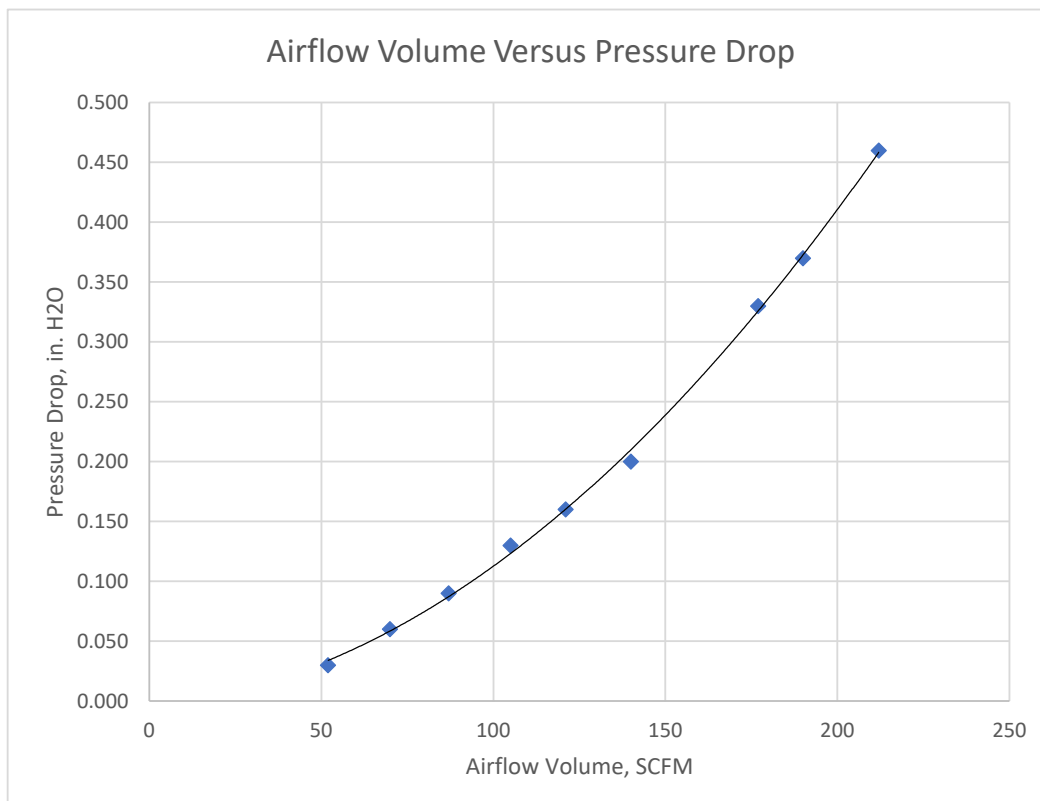
**AIR PERFORMANCE**  
**KV-4-TP, Keepa Vent, 4" Diameter, 11" Collar & Tail Pipe**

Pressure Drop Across Vent Cap		Air Velocity	Airflow Volume
<u>in. H<sub>2</sub>O</u>	<u>Pa</u>	<u>fpm</u>	<u>SCFM</u>
0.030	7	598	52
0.060	15	805	70
0.090	22	1000	87
0.130	32	1207	105
0.160	40	1391	121
0.200	50	1609	140
0.330	82	2034	177
0.370	92	2184	190
0.460	114	2437	212

fpm = feet per minute

in. H<sub>2</sub>O = inches of water

scfm = standard cubic feet per minute



**EQUIPMENT LIST**

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#	Equipment	Model No	Control No.	Last Cal	Cal Due
5	Manometer Incline	424-5	F166	3/5/2024	3/5/2025
6	Manometer Incline	424-5	F167	3/5/2024	3/5/2025
7	RTD Pair	78N01N00N040B3	T1440/1	6/12/2024	6/12/2025
8	Barometer	PTB110	P1063	6/12/2024	6/12/2025
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Remarks:

Test Conditions During Testing:

Drybulb Temperature: 81.1°F

Wetbulb Temperature: 72.8°F

Barometric Pressure: 28.5 in. Hg