

# 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

RBV-9-C4-TP

Round Back Vent, 9" Diameter, 4" Collar & Tail Pipe  
Residential Roof Jack Vent Cap for Exhaust Duct Applications

### PROJECT NUMBER

G105373987

### REPORT NUMBER

105373987CRT-007b

### 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**  
105373987CRT-007b

**MODEL NUMBER(s)**  
RBV-9-C4-TP, Round Back Vent, 9" Diameter, 4" 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-01330540-7.

**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	CRT2407161020-007	RBV-9-C4-TP	Round Back Vent, 9" Diameter	July 16, 2024

**DESCRIPTION OF TEST SPECIMEN**

The sample consisted of an exhaust vent cap. The inlet measured 8-3/4 inches in diameter and the vent cap measured 12-1/4 inches in diameter. The gap between the cap and collar was measured to be 1-5/16 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**

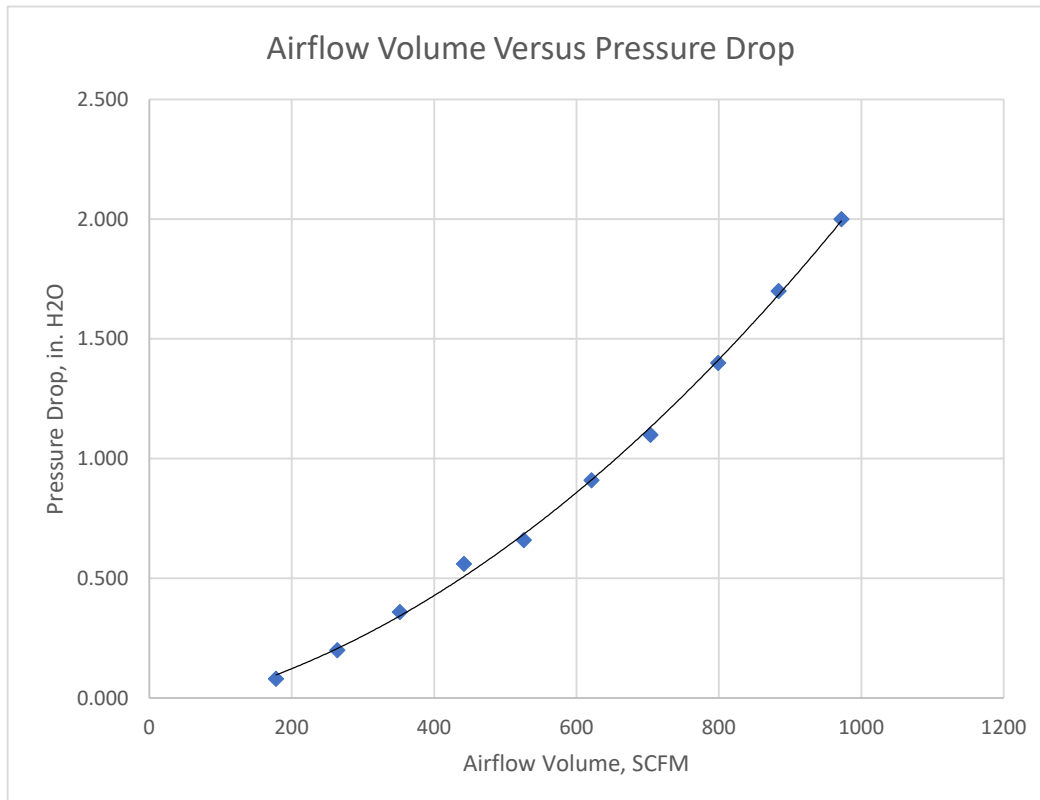
**RBV-9-C4-TP, Round Back Vent, 9" Diameter, 4" Collar & Tail Pipe**

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>
0.080	20	403	178
0.200	50	597	264
0.360	90	796	352
0.560	139	1000	442
0.660	164	1190	526
0.910	226	1405	621
1.100	274	1593	704
1.400	348	1808	799
1.700	423	2000	884
2.000	498	2199	972

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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20					

Remarks:

Test Conditions During Testing:

Drybulb Temperature: 79.3°F

Wetbulb Temperature: 69.8°F

Barometric Pressure: 28.6 in. Hg