

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-5-C4-TP

Round Back Vent, 5" Diameter, 4" Collar & Tail Pipe
Residential Roof Jack Vent Cap for Exhaust Duct Applications

PROJECT NUMBER

G105373987

REPORT NUMBER

105373987CRT-003b

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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Total Quality. Assured.

REPORT NUMBER
105373987CRT-003b

MODEL NUMBER(s)
RBV-5-C4-TP, Round Back Vent, 5" 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	CRT2407161020-003	RBV-5-C4-TP	Round Back Vent, 5" Diameter	July 16, 2024

DESCRIPTION OF TEST SPECIMEN

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

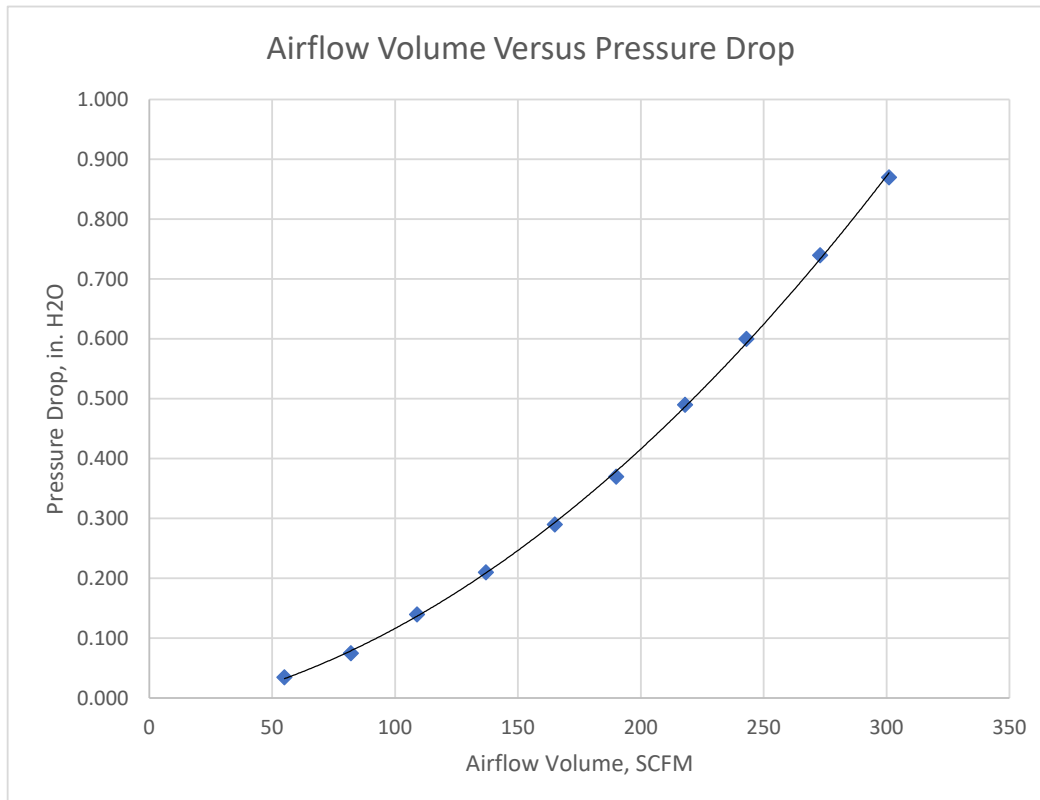
RBV-5-C4-TP, Round Back Vent, 5" Diameter, 4" Collar & Tail Pipe

Pressure Drop Across Vent Cap		Air Velocity	Airflow Volume
<u>in. H₂O</u>	<u>Pa</u>	<u>fpm</u>	<u>SCFM</u>
0.035	9	404	55
0.075	19	603	82
0.140	35	801	109
0.210	52	1007	137
0.290	72	1213	165
0.370	92	1397	190
0.490	122	1603	218
0.600	149	1787	243
0.740	184	2007	273
0.870	216	2213	301

fpm = feet per minute

in. H₂O = 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: 78.5°F

Wetbulb Temperature: 69.9°F

Barometric Pressure: 28.6 in. Hg