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Home Energy Efficiency

Interpretations of Standard ANSI/RESNET/ICC 380-2025 apply to the RESNET® HERS®
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Interpretation: Integrated Diagnostic Tool for Airflow Measurement

Designation No. 380-2025-012 Carried Forward 380-2022-004

Approved: March 3, 2026, by RESNET® SDC 300

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Reference: This request for interpretation refers to the requirements presented in Standard:
RESNET 380-2022
(and earlier
referenced in a
different section in
380-2019)

Page Number(s): (See online versions)
Section(s): 606.1.1 (380-2025), 6.5 (380-2022), 6.4.3.1.1 (380-2019)
Table(s):
Relating to: ERV cfm airflow measurement for ASHRAE 62.2 code compliance

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Background:

Interpretation: *Proposed by the petitioner.*

Due to the manufacturer stating in all their documentation that the manufacturer provided pressure ports can be used to verify airflow, it is our understanding that this Panasonic ERV "FV-06VE1" has an integral airflow measuring device, so it would be acceptable for cfm airflow verification under standard 380 section 6.5, and referencing Informative Note 14 in the 380-2022 edition (Informative Note 47 in the 380-2019 edition), using a fully calibrated manometer to measure pressure drops and using manufacturer provided data to verify airflow cfm. The derived cfm can be used to verify ASHRAE 62.2 compliance and can be used for HERS rating energy model inputs for official HERS ratings. (See online versions of Standard 380)

Question: Is this Interpretation correct?

SDC Answer: No

SDC Comments: Section 606.1.1 of Standard 380-2025 states: "The maximum error of the integrated diagnostic tool shall be 15 percent of the highest flow setting of the ventilation equipment." The informative footnote referenced states: "For example, pressure taps or a device that measures a parameter such as watt draw that can be translated to airflow."

The manufacturer documentation provided makes no reference to the accuracy of the flow measurement. Should the manufacturer provide a written stated accuracy of the flow rate measurement within this 15%, Section 6.5.2 would be applicable, which allows the manufacturer's instructions for the integrated diagnostic tool to be used to determine airflow.