

Standard Operating Procedure Air Outlet Testing	SOP No. 8.005
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DCR No.: 97027
Revision No.: 1

Effective: 3-3-97
Supersedes: 3-3-97
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- 1 Purpose
 - 1.1 To establish a standard procedure for measuring air volume in CFM to comply with design requirements.
- 2 Scope
 - 2.1 This procedure applies to all air outlets except VAV systems.
- 3 References
 - 3.1 NEBB Testing Adjusting Balancing Manual for Technicians, First Edition, 1986.
- 4 Definition
 - 4.1 CFM Cubic Feet per Minute
 - 4.2 TAB Test, Adjust, and Balance
 - 4.3 VAV Variable Air Volume
- 5 Responsibility
 - 5.1 TAB technicians shall record all test readings on Form FN 8.005.1 (Air Outlet Test Report).
 - 5.2 All test reports shall be saved in files, located in the TAB Department of Therma.
 - 5.3 All test equipment utilized shall be in calibration in accordance with NEBB Standards and traceable to the National Institute of Standards and Technology (NIST).
- 6 Materials Requirement
 - 6.1 None

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7 Test Equipment

7.1 Flow Hood Kit

7.2 Tape Measure

8 General Procedures

8.1 Measure the size of the outlet(s) using tape measure.

8.2 Measure the actual outlet/inlet airflow using a flow hood kit with the appropriate sized top set to the appropriate scale for the required airflow.

8.3 Balance the system to the final design conditions.

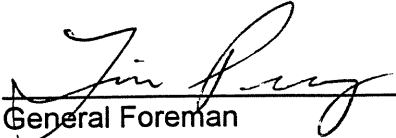
8.4 Record all design airflow in CFM on the Form FN 8.005.1 (Air Outlet Test Report).

9 Review and Approval


9.1 Return the Form FN 8.005.1 (Air Outlet Test Report) to the TAB Department for review.

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Document Approval


General Foreman

4-15-97
Date


Service Manager

4-15-97
Date


Quality Assurance Manager

4-16-97
Date

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