

Standard Operating Procedure Operational Procedure for Room Pressurization	SOP No. 8.015
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- 1 Purpose
 - 1.1 To establish a standard procedure for verifying the capability of the HVAC systems to maintain the specified differential pressures between rooms and/or atmosphere.
- 2 Scope
 - 2.1 This procedure applies to the HVAC systems with a room pressurization testing requirement.
- 3 Reference
 - 3.1 NEBB Procedural Standards for Certified Testing of Cleanrooms, Second Edition, 1996.
- 4 Definition
 - 4.1 HVAC Heating, Ventilating, and Air Conditioning
 - 4.2 In.W.G. Inches Water Gauge
 - 4.3 TAB Test, Adjust and Balance
- 5 Responsibility
 - 5.1 TAB technicians shall record all test readings on Form FN 8.015.1 (Room Pressure Test Report).
 - 5.2 TAB technicians shall save all test reports 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).
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6 Materials Requirement

6.1 None

7 Test Equipment

7.1 Electronic Manometer

7.2 Differential Pressure Gauge

8 Procedures

8.1 Measure and record the differential pressures (in. w.g. or Pa) between the inner most cleanroom or clean space and adjacent spaces, rooms, or the exterior environment with all entryways closed.

8.2 Measure and record the differential pressures (in w.g. or Pa) between the next adjacent spaces or rooms and other spaces or the exterior environment with all entryways closed.

8.3 Ensure that the blower has adequate capacity to maintain an outward flow of air to the lower level space with entryways open.

8.4 Adjust system and repeat steps 8.1 to 8.3 until all differential pressures are obtained.


8.5 Record all measured differential pressures on the Form FN 8.015.1 (Room Pressure Test Report).

9 Review


9.1 Return the Form FN 8.015.1 (Room Pressure 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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