

TABLE 8.2 Minimum Maintenance Activity and Frequency for Ventilation System Equipment and Associated Components (Continued)

Inspection/Maintenance Task	Frequency*
y. Inspect unit for evidence of moisture carryover from cooling coils beyond the drain pan. Make corrections or repairs as necessary.	Annually
z. Check for proper damper operation. Clean, lubricate, repair, replace, or adjust as needed to ensure proper operation.	Annually
aa. Visually inspect areas of moisture accumulation for biological growth. If present, clean or disinfect as needed.	Annually
ab. Check condensate pump. Clean or replace as needed.	Annually
ac. Visually inspect exposed ductwork and external piping for insulation and vapor barrier for integrity. Correct as needed.	Annually
ad. Verify the accuracy of permanently mounted sensors whose primary function is outdoor air delivery monitoring, outdoor air delivery verification, or dynamic minimum outdoor air control, such as flow stations at an air handler and those used for demand-control ventilation. A sensor failing to meet the accuracy specified in the O&M manual shall be recalibrated or replaced. Performance verification shall include output comparison to a measurement reference standard consistent with those specified for similar devices in ASHRAE Standard 41.2 or ASHRAE Standard 111 ¹⁵ .	5 years
ae. Verify the total quantity of outdoor air delivered by air handlers set to minimum outdoor air mode. If measured minimum airflow rates are less than the design minimum rate documented in the O&M manual, \pm a 10% balancing tolerance, (1) confirm the measured rate does not conform with the provisions of this standard and (2) adjust or modify the air-handler components to correct the airflow deficiency. Ventilation systems shall be balanced in accordance with ASHRAE Standard 111 ¹⁵ or its equivalent, at least to the extent necessary to verify conformance with the total outdoor airflow and space supply airflow requirements of this standard.	5 years
Exception: Units under 2000 cfm (1000 L/s) of supply air are exempt from this requirement.	

* Minimum frequencies may be increased or decreased if indicated in the O&M manual.

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5. *ASTM D3273-12, Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber*. West Conshohocken, PA: American Society for Testing and Materials.
6. *ANSI/AIHA Z9.5-2013, Standard for Laboratory Ventilation*. Fairfax, VA: American Industrial Hygiene Association.
7. *ANSI Z223.1/NFPA-54-2015, National Fuel Gas Code*. Quincy, MA: National Fire Protection Association.
8. *NFPA-31-2011, Standard for the Installation of Oil-Burning Equipment*. Quincy, MA: National Fire Protection Association.
9. *NFPA-211-2013, Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances*. Quincy, MA: National Fire Protection Association.
10. *UL 1995, Heating and Cooling Equipment*, 4th Edition, 2011. Northbrook, IL: Underwriters Laboratories.
11. *AMCA 500-L-12, Laboratory Methods of Testing Louvers for Rating*. Arlington Heights, IL: Air Movement and Control Association International, Inc.
12. *ANSI/ASHRAE Standard 52.2-2012, Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size*. Atlanta: ASHRAE.
13. *NSF/ANSI 60-2013, Drinking Water Treatment Chemicals—Health Effects*. Ann Arbor, MI: NSF International.
14. *Secondary Direct Food Additives Permitted In Food For Human Consumption*. Code of Federal Regulations, Title 21 Part 173.310 (21 CFR 173.310), *Boiler Water Additives*. U.S. Food and Drug Administration, 2012.
15. *ANSI/ASHRAE Standard 111-2008, Measurement, Testing, Adjusting, and Balancing of Building HVAC Systems*. Atlanta: ASHRAE.
16. *ASHRAE Standard 129-1997 (RA 02), Measuring Air Change Effectiveness*. Atlanta: ASHRAE.
17. *ANSI/SMACNA 006-2006 HVAC Duct Construction Standards—Metal and Flexible*, 3rd Edition, 2005. Chantilly, VA: Sheet Metal and Air Conditioning Contractors' National Association, Inc. (SMACNA).
18. *Fibrous Glass Duct Construction Standards*, 7th Edition, 2003. Chantilly, VA: Sheet Metal and Air Conditioning Contractors' National Association, Inc. (SMACNA).
19. *NFPA-90A-2012, Standard for the Installation of Air-Conditioning and Ventilating Systems*. Quincy, MA: National Fire Protection Association.
20. *NFPA-90B-2012, Standard for the Installation of Warm Air Heating and Air-Conditioning Systems*. Quincy, MA: National Fire Protection Association.