

**INTERPRETATION IC 62.1-2016-5 OF
ANSI/ASHRAE STANDARD 62.1-2016
VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY**

Approved: November 21, 2018

Request from: Burton Wright, Jr., Mechanical Engineer, 7337 E. Tanque Verde Rd., Tucson, AZ 85715.

Reference: This request for interpretation refers to the requirements presented in ANSI/ASHRAE Standard 62.1-2016, Section 6.5, exhaust requirements for auto repair rooms.

Background: The minimum exhaust requirement stated in Table 6.5 of ASHRAE Standard 62.1-2016 is 1.5 CFM/sf for auto repair rooms and 0.75 CFM/sf for parking garages. For parking garages, ASHRAE Applications Handbook (2015), Section 15.20 recommends (as long as permitted by local codes) that, “the ventilation airflow rate should be varied according to CO levels to conserve energy.” This recommendation is not made in Section 15.21 for Automotive Repair Facilities.

Interpretation: While appropriate for parking garages, the method of varying ventilation airflow rates via the monitoring of CO levels for an auto repair room is incorrect. The exhaust rate of 1.5 CFM/sf listed in Table 6.5 of ASHRAE Standard 62.1-2016 should be continuous during all occupied hours of the space.

Question: Is this interpretation correct?

Answer: Yes.

Comments: The prescriptive exhaust requirements in Table 6.5 shall be continuous during hours of expected occupancy to comply with the Prescriptive Compliance Path 6.5.1. However, it’s possible that varying of ventilation airflow rates via monitoring of a contaminant of concern, such as CO, could be permitted under 6.5.2. The Committee does not specify contaminants of concern to monitor to comply with the performance compliance path.