INTERPRETATION IC 52.2-1999-1 OF
ANSI/ASHRAE STANDARD 52.2-1999
Method of Testing General Ventilation Air-Cleaning Devices
for Removal Efficiency by Particle Size

July 25, 2001

Request from: Mr. Hanns Grimm and Mr. Bill Roe, Grimm Technologies, Inc., 9110 Charlton Place, Douglasville, GA 30135 (Phone: 770-577-0853)

Reference: This request for interpretation refers to the requirements presented in ANSI/ASHRAE Standard 52.2-1999, Section 4.6.6, minimum inlet flow rate for particle counters.

Question: Considering that Section 4.4.1 and Sections 10.6.2.4 and 10.6.4.3 discuss aerosol transport and minimum required count respectively, can the requirement for the minimum flow rate for the aerosol particle counter be waived?

Answer: Yes.

Comments: The rationale for allowing this requirement to be waived is that specifications elsewhere in the standard (specifically Section 4.4.1 for aerosol transport through the sample lines and Sections 10.6.2.4 and 10.6.4.3 addressing the minimum required counts per channel) require that an adequate sample be obtained by the particle counter. Therefore, the additional specification of a minimum flow rate need not be mandated. Thus, it is the interpretation of the SSPC 52.2 Committee that aerosol particle counters for use in conducting tests in accordance with ASHRAE 52.2-1999 do not need to meet the minimum inlet volume flow rate specification of 47.2 cm^3/s (0.100 cfm); however, all other particle counter specifications in the standard must continue to be met.