

## Standard 185.5P

### **Method of Testing HVAC-duct mounted Devices and Systems and In-Room devices for Particle and Microorganism Removal or Inactivation in a Chamber with a Recirculating Duct System**

#### **1. Purpose:**

The standard provides a method of test for evaluating in-room HVAC-duct mounted devices and devices and systems for particle and microorganism removal or inactivation in a chamber with a recirculating duct system.

#### **2. Scope:**

**2.1** The method of test specifies specific particle or selected indicator microorganisms in the test chamber and defines procedures for generating the particles or bioaerosols required for the method of test.

**2.2** This standard provides a method for counting the number of specific particles or viable microorganisms in the chamber to calculate the elimination efficiency for each specific particle or microorganism.

**2.3** This standard establishes minimum performance specifications for the equipment required to conduct the tests, defines test methods as well as the calculation and reporting of results obtained from the test data, and establishes a reporting system to be applied to HVAC-duct mounted devices and in-room devices and systems covered herein.

**2.4** This method of test requires a chamber with a recirculating duct system.

**2.5** This standard does not address the health and safety effects of operating devices and systems in an occupied room.