

**Interpretation IC 170-2013-9 of
ANSI/ASHRAE/ASHE Standard 170-2013
Ventilation of Health Care Facilities**

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Request from: Chad Sedlak, GHR Engineers and Associates, 1615 S. Neil, Champaign, IL 61820.

Reference: This request for interpretation refers to the requirements in ANSI/ASHRAE/ASHE Standard 170-2013, Section 7.2.1, regarding the location of differential pressure monitors in airborne infection isolation (AII) rooms.

Background: Sub (a.), 2nd sentence states “AII rooms shall have a permanently installed device and/or mechanism to constantly monitor the differential air pressure between the room (when occupied by patients with a suspected airborne infections disease) and the corridor, whether or not there is an anteroom.”

Sub (g.) states “When an anteroom is provided, the pressure relationships shall be as follows: (1) the AII room shall be at a negative pressure with respect to the anteroom, and (2) the anteroom shall be at a negative with respect to the corridor.

Interpretation: AII room with an anteroom: Monitor shall be installed at the anteroom entrance on the corridor side and shall read the pressure relationship between the corridor and the patient room – at a minimum limit of 0.01 in. wc (bypassing the anteroom). If there is a monitor between the anteroom and patient room (to verify sub “g”) this is not required to maintain the same 0.01 in. wc pressure relationship.

Question: Is this interpretation correct?

Answer: Yes.

Comments: The Standard requires a permanently installed device and/or mechanism sensing between the corridor and the AII room. Section 7.2.1 subparagraph “f” indicates that there is no specific pressure requirement between the anteroom and AII room other than negative.