

- See the <u>All and PE Patient Rooms List</u> on the Infection Prevention and Control page for description of room types and appropriate uses for room
- Door must remain completely closed to maintain the correct pressure relationship
- When room is being used for All and/or PE purposes, notify Facilities to perform daily airflow checks on individual room or wing.



TSI Monitor Digital Screen

- Verifying pressure relationship using the TSI pressure monitor:
 - The pressure reading should be -0.01 or less for an All room (area is under negative pressure)
- Activating/deactivating the TSI pressure monitor:
 - There is an audible alarm on the TSI monitor. If the pressure is not obtained or maintained at the appropriate level the screen will read "Alarm" with a red background.
 - The method used to activate/deactivate the audible alarm on the TSI pressure monitors is to change the ROOM MODE.
 - Press the MUTE button to silence the alarms and please contact facilities.
 - Note: Changing the TSI pressure monitor ROOM MODE <u>does not</u> change the airflow direction in the room, it will
 just activate or deactivate the alarm. Constructed All Rooms are not 'switchable' between negative, positive,
 and neutral pressure. Modified All rooms can convert a room from neutral pressure to negative by changing the
 settings in the Abatement control panel.
 - a. Use the <u>All and PE Rooms List</u> to identify which rooms are modified All rooms
 - When the room is not being used for airborne precautions or protective environment purposes, the ROOM MODE can be set to NO ISOLATION in order to deactivate the alarm.
 - a. If there is an Abatement fan control panel, the fan can be set to 0. Enter the passcode to change the fan settings.

- When the room is being used for airborne precautions purposes, the ROOM MODE on the TSI monitor should be set to ISOLATION.
 - **a.** If there is an Abatement fan control panel, the fan should be set to 3, 4 or 5. Enter the passcode to change the fan settings. The setting will differ based on the room size. When a setting is selected, ensure the room achieves appropriate negative pressure by verifying on the TSI pressure monitor.

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b. The display will change to "Normal" with a green background when the door is closed and appropriate pressure has been achieved.



- When the room is being used for protective environment purposes, the ROOM MODE should be set to POSITIVE.
- When using a Combo AII/PE room, there are two pressure monitors (one in the hallway and one in the ante room). The ROOM MODE on each monitor should be set to NEGATIVE or POSITIVE in accordance with the pressure monitor reading indicated for each pressure monitor box in the <u>AII and PE Patient Rooms List</u>.
- If a room has an automatic closer on the door and/or the door will stay closed even when room is not being used for airborne precautions or protective environment purposes, the alarm can stay activated.
- If a room does not have an automatic closer on the door or the door will be kept open when room is not in use for airborne
 precautions or protective environment purposes, the alarm should be deactivated.
- Returning the room back to normal operations: See the <u>All and PE Patient Rooms List</u> on the Infection Prevention and Control page for information on required minutes the room needs to be vacant.
- Please contact facilities if there are any needs regarding this monitor

Last updated 3.5.25



TSI Monitor Model 8630

- Verifying pressure relationship using the TSI pressure monitor (Model 8630):
- Slide open the cover on the TSI monitor and observe the pressure reading on the TSI monitor display
- The pressure reading should be -0.01 or less for an All room (area is under negative pressure)
- The pressure reading should be +0.01 or greater for a PE room (area is under positive pressure)
- See the All and PE Patient Rooms List on the Infection Prevention and Control page for information on pressure
- monitor readings specific to each room.

Activating/deactivating the audible alarm on the TSI pressure monitor:

- There is an audible alarm on the TSI monitors. When the alarm is activated, the TSI monitor will alarm if the pressure is not maintained at the appropriate level.
- The method used to activate/deactivate the audible alarm on the TSI pressure monitors is to change the ROOM MODE.
- • Slide cover to the right to access controls, Press the MUTE button to silence the alarms and please contact facilities.
- Note: Changing the TSI pressure monitor ROOM MODE does not change the airflow direction in the room. Constructed All rooms are not 'switchable' between negative, positive, and neutral pressure.
 - When the room is not being used for airborne precautions or protective environment purposes, the ROOM MODE can be set to NO ISOLATION in order to deactivate the alarm.
 - When the room is being used for airborne precautions purposes, the ROOM MODE on the TSI monitor should be set to NEGATIVE.
 - When the room is being used for protective environment purposes, the ROOM MODE should be set to POSITIVE.
 - When using a Combo AII/PE room, there are two pressure monitors (one in the hallway and one in the ante room). The ROOM MODE on each monitor should be set to NEGATIVE or POSITIVE in accordance with the pressure monitor reading indicated for each pressure monitor box in the AII and PE Patient Rooms List.
- If a room has an automatic closer on the door and/or the door will stay closed even when room is not being used for airborne precautions or protective environment purposes, the alarm can stay activated.
- If a room does not have an automatic closer on the door or the door will be kept open when room is not in use for airborne precautions or protective environment purposes, the alarm should be deactivated.

- Returning the room back to normal operations: See the <u>All and PE Patient Rooms List</u> on the Infection Prevention and Control page for information on required minutes the room needs to be vacant.
- Please contact facilities if there any needs regarding this monitor.

Contact Information

- Facilities Minneapolis: 612-813-6202
- Facilities St. Paul: 612-654-5311
- Infection Prevention and Control: 952-260-9021

• Frequently asked questions

Q: What is a HEPA filter used for?

A: HEPA is a high-efficiency particulate air. It is used to filter out harmful particles and odors in the environment. This device cleans the air, but does not convert a room to negative airflow.

Q: What is an All Room (AIIR)?

A: Airborne Infection Isolation Room. This is a negative pressure room that is designed to protect the individuals from outside the room from the patient/environment inside the room.

Q: Is there a difference in AIIR and modified AIIR?

A: There is not a difference in how the rooms function. AllRs and modified AllRs filter air out of patient rooms through negative pressure. The HEPA filter is connected to a duct system that runs from the side or the top of the filter and connects to the hospital internal duct system to circulate the air out of the patient room. The pictures below illustrate examples of modified HEPA filtration systems.



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Q: What is the room turnover for a standard room (non-All) if used by a patient in Airborne Precautions?

A: If a patient in Airborne Precautions is using a standard room, you must allow an air clearance time of 60 minutes (70 minutes for clinic exam rooms). During this time, rooms should remain vacant with the door closed before the next patient AND/OR staff entering the room should wear respiratory protection. See the <u>All and PE Patient Rooms List</u> and <u>Airborne Infection Isolation Room Prioritization and Room Turnover</u> on the Infection Prevention and Control StarNet page for more information.