

BASE Buildings Test Space HVAC Inspections: Particulate Filtration Systems

Condition of Particulate Filtration Systems	Number of Test Space Handlers					
	Filtration Systems - General Condition ¹	Accessibility ¹	Filter Fit Into Frames ¹	Filter Condition ¹	Evenness of Filter Loading ¹	Resistance Indicator Provided ²
Good	76	121	104	72	112	
Fair	48	13	25	50	22	
Poor	12	2	7	14	2	
Yes (for Resistance Indicator)						68
Total Number of Test Space Air Handlers	136	136	136	136	136	134

Notes:
¹Data represent statistics for 136 study space air handling units. Five air handling units indicated no response for this variable.
²Data represent statistics for 134 study space air handling units. Seven air handling units indicated no response for this variable.

Variable Descriptions:

Particulate Filtration Systems - General Condition refers to the general condition of the test space air handling unit filtration systems (filters and filter rack frames) based on the following grading system:

- Good - Filters and frames in good physical condition and securely in position
- Fair - Filters somewhat old and/or some filters not securely in place
- Poor - Filters very old and/or deteriorating and/or some filters out of position and/or frames in very bad shape and/or no filters present

Particulate Filtration System - Accessibility refers to the accessibility of the test space air handling unit filtration systems based on the following grading system:

- Good - Adequate access to filter, adequate space for inspecting and changing filters
- Fair - Marginal access and/or very limited space for inspecting and changing filters
- Poor - No access doors and/or no means of changing filters

Particulate Filtration System - Filter Fit Into Frames refers to how well the filters fit into the filter frames based on the following grading system:

- Good - Filters fit very well into frames with minimal leakage around filters
- Fair - Filters fit marginally well into frames and/or some bypass around filters
- Poor - Filters fit poorly into frames and/or large amounts of bypass around filters

Particulate Filtration System - Filter Condition refers to the condition of the test space air handling unit filters based on the following grading system:

- Good - Filters in very good physical condition and either recently changed or no need to change anytime soon
- Fair - Filters somewhat old and/or will need to be changed soon
- Poor - Filters very dirty and/or need to be changed immediately

Particulate Filtration System - Evenness of Loading refers to the loading condition of the test space air handling unit filters based on the following grading system:

- Good - Filter loading very even across the face
- Fair - Some unevenness in loading
- Poor - Filter loading very uneven and/or some areas heavily loaded while others are like new