

# *Frequently Asked Questions*

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**Indoor Air Quality**

**Denver Public Schools**

## **Air Filters:**

Q: What are air filters?

A: Air filters clean the air that circulates through ventilation equipment removing dust, pollen, mold, or other air born contaminants

Q: How exactly do air filters work?

A: Besides filtering the air as described as above, filters are designed to hold a certain amount of dust, without affecting the air flow of the equipment. The filter fibers of the air entering the side of the filter is less dense than in the center and outlet side, allowing it to hold the dust. For this reason, during the midpoint of a filters life, it might actually be more efficient than when first installed

Q: What type of air filter do Denver Public Schools use?

A: Denver Public Schools currently uses two types of filters for most applications  
Permanent plastic frame with replaceable pads  
Disposable pleated filters

Q: How efficient are the filters we use?

A: The filters we use meet manufacturer's specifications and standards and also filter dust down to 3 microns.

Q: How big is a micron?

A: The diameter of a human hair is said to be about 150 microns

Q: How big are mold and pollen particles?

A: Mold and pollen are about 5 microns

Q: How often should filters be changed?

A: They should be changed every 3or 4 months.