



You can breathe easy in here.



**Mechanical Division**

**New England Master Distributor**

The most powerful air purification technology – proven to **TRAP** and **ELIMINATE** dangerous viruses.

Capturing ultrafine particles down to .007 microns.

Patented DFS technology is proven to be more than  
**40x more efficient** than standard HEPA filtration.



## HW Deluxe

#20600-03

Covers up to approx.  
1,000 sq. ft!



## HW Tabletop

#10600-9

Covers up to approx.  
400 sq. ft!



## 950P

#950P

Covers up to approx.  
3,500 sq. ft!

Self-Contained  
Independent Blower



## 1200SC

#1200SC

Covers up to approx.  
5,000 sq. ft!

## 2000SC

#2000SC

Covers up to approx.  
7,000 sq. ft!

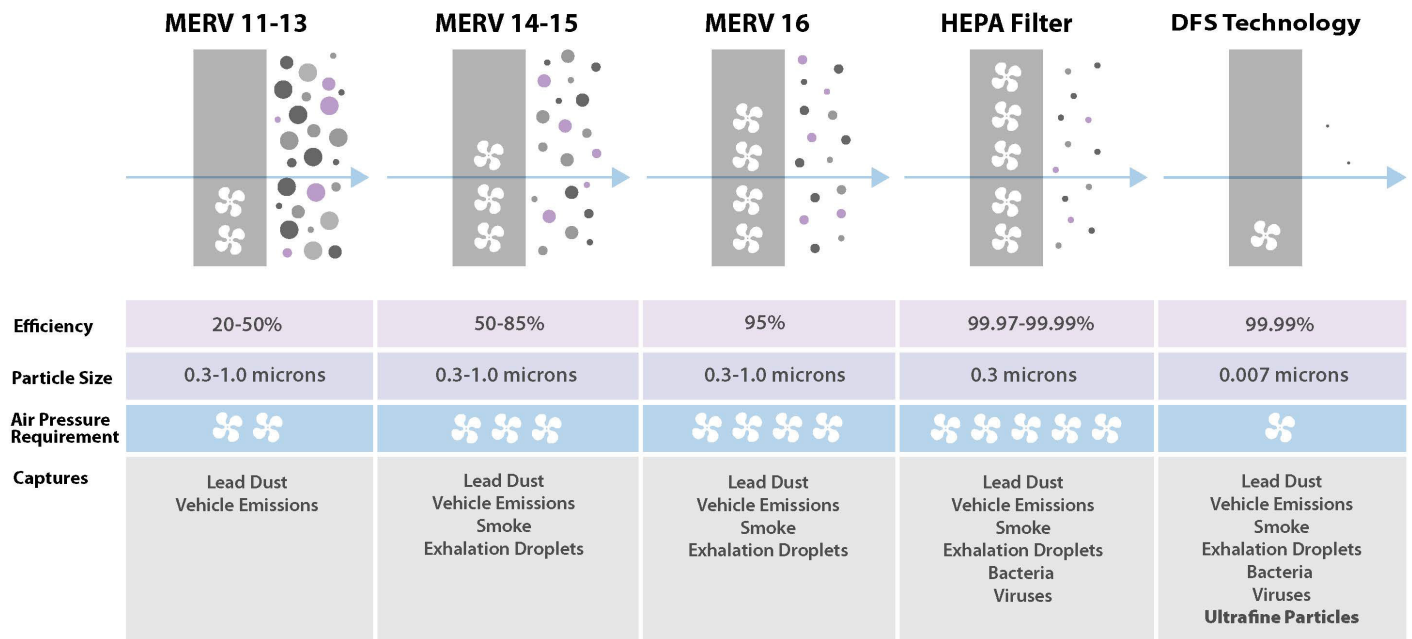
\* Freight not included. \*

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# Summary of DFS Technology

## Filtration Efficiency / Particle Size



## DFS (Disinfecting Filtration System), also referred to as EEF (Electrically Enhanced Filtration) when used in cleanroom applications:

There are significant advantages of DFS, or electrically enhanced/stimulated air filtration, over conventional filtration. This technology utilizes a proprietary deep pleated 100 percent sealed filter to provide safe electrically enhanced filtration, with an ultra-low pressure drop, high efficiency of particulate removal and dust holding capacity over the life of the filter.

## How Does DFS Technology Work?

DFS technology, also referred to as Electrically Enhanced Filtration (EEF) uses two mechanisms to maintain the high air cleaning performance in an air purification system:

1. The DFS high energy field creates a self-contained, highly ionized state in the main filter that aggregates or clusters ultrafine particles to make them larger, allowing the main filter to effectively capture ultrafine particles. The high energy field is controlled, and self-contained between the entry ground control grid before the main filter and a rear control grid affixed to the rear of the main filter. All ions generated by the high energy field are isolated in the main filter system between the entry control grid and exhaust control grid on the rear of the filter, not allowing ions to exhaust the DFS system.
2. The controlled, isolated high energy field generated by the DFS continually creates high energy exposure through the pleats and fibers of the main filter creating a microbiostasis ("prevention of organism growth") in the main filter, preventing live organisms from escaping back into the air. These two mechanisms work together to provide the ultraclean filtration of particles as well as continual prevention of organism growth in the DFS filter.

