

Your HVAC system should work smarter, not harder.

Smarter filter technology helps you get the most out of your equipment.



Greentech Filters start with our advanced nanofiber material for improved air flow and less pressure drop, and then coated with our exclusive, revolutionary ODOGard® to capture and eliminate odors and volatile organic compounds so it works smarter without making your equipment work harder.

About Greentech Filters

Great for areas that need better filtration, construction material off gassing, high-traffic areas, LEED buildings, any odors from food, pets and people plus some common volatile organic compounds – everywhere you have a pleated filter.

- Nanofibers – thinly spun (400x thinner than a human hair) for ultrafine filtration.
- Both our MERV 11A & 13A true mechanical filters are more efficient because of a lower pressure drop commonly associated with equivalent MERV rated electrostatic filters or lower MERV rated mechanical filters.
- Designed to replace MERV 6, 8, 10, and 11 mechanical & electrostatic filters without creating issues your equipment.
- 2-in-1 Filter – High MERV rated filter plus the advantages of gas phase reductions for odors and VOCs.
- Our efficiency is unaffected by aerosols, humidity, fine particles or blocking like some electrostatic filters.
- ODOGard creates a molecular bond with odors transforming them into inert, biodegradable elements.
- Dependant on your application, our filters can perform for up to 120 days.
- Better for the environment, our high capacity filters use 50% less synthetic materials than other pleated filters.
- Sustainability– Every one 24x24x2 filter replaced with a Greentech Filter saves up to the equivalent of 8+ (16.9oz) plastic bottles in landfills, compared to traditional synthetic high-capacity filters.
- Greentech filter media is bonded to a recyclable metal structural support to provide pleat uniformity and rigidity as well as being sealed to the entire internal perimeter of the filter frame with a non-toxic adhesive.

Greentech

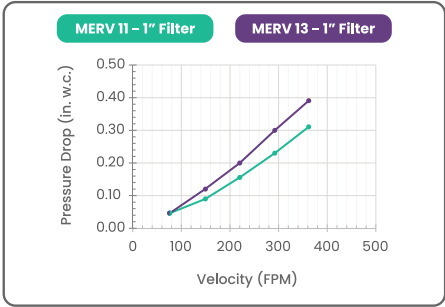


Made in the U.S.A.



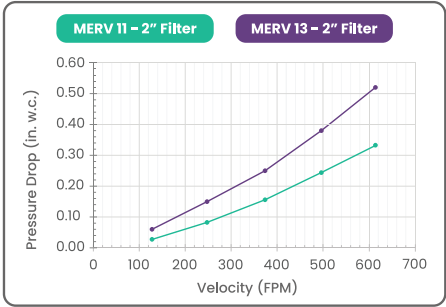
Greentech Filters Pressure Drop vs. Flow Rate

1" Deep Filter



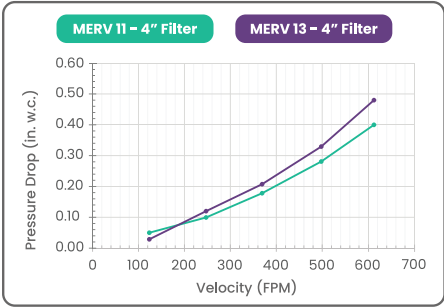
Flow Rate (CFM)	Velocity (FPM)	MERV 11 Press. Drop	MERV 13 Press. Drop
295	74	0.05	0.05
590	148	0.10	0.12
885	221	0.16	0.20
1,180	295	0.23	0.30
1,475	369	0.31	0.39

2" Deep Filter



Flow Rate (CFM)	Velocity (FPM)	MERV 11 Press. Drop	MERV 13 Press. Drop
492	123	0.03	0.06
984	246	0.09	0.15
1,476	369	0.16	0.25
1,968	492	0.25	0.38
2,460	615	0.34	0.52

4" Deep Filter



Flow Rate (CFM)	Velocity (FPM)	MERV 11 Press. Drop	MERV 13 Press. Drop
492	123	0.05	0.03
984	246	0.10	0.12
1,476	369	0.18	0.21
1,968	492	0.28	0.33
2,460	615	0.40	0.48

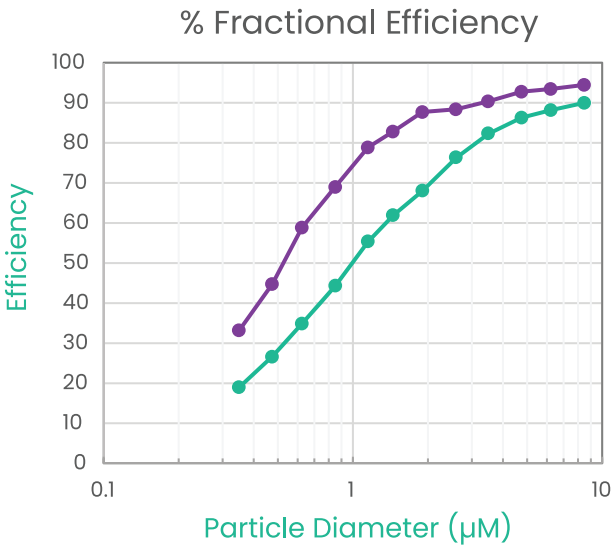
ASHRAE 52.2 Test Data

Filter Size:
24" x 24" x 2"

Test Aerosol:
KCl, Neutralized

Flow Rate:
1,968 CFM

Velocity:
492 FPM



MERV 11 MERV 13

Size Range (µm)	Initial Fractional Efficiency				
	MERV 11		Avg.	MERV 13	
0.30 - 0.40	19.0%	E ¹	31.2	36.8%	E ¹
0.40 - 0.55	26.7%			49.6%	
0.55 - 0.70	34.9%			60.8%	
0.70 - 1.00	44.3%			72.0%	
1.00 - 1.30	55.3%	E ²	65.4	80.2%	E ²
1.30 - 1.60	61.9%			83.9%	
1.60 - 2.20	68.0%			86.5%	
2.20 - 3.00	76.3%			89.3%	
3.00 - 4.00	82.3%	E ³	86.7	91.3%	E ³
4.00 - 5.00	86.3%			92.6%	
5.50 - 7.00	88.2%			93.9%	
7.00 - 10.00	90.0%			95.3%	
					Avg.
					54.8
					85.0
					93.3