



# Filtco HEPA/ULPA Filter Independent Performance Specifications<sup>1</sup>

HEPA and ULPA filters are designed to contain microorganisms and airborne particulates. Each filter is rated for overall efficiency using industry standard test IEST-RP-CC001.6<sup>2</sup>.

## Test Conditions

- Test Type: IEST-RP-CC001.6<sup>3</sup>
- Temperature and Humidity: 72°F, 21% RH
- Test Aerosol: Latex beads, neutralized
- Airflow: 225 cfm
- Air Velocity: 100 fpm
- Manufacturer: Air Science USA LLC, Filtco Filters

Test Date	8/17/2023	10/19/2022	10/19/2022
Filter ID	HEPA	HEPA	ULPA
LMS Report #	8617	8061	8061
Flow Rate	225 cfm	225 cfm	225 cfm
ΔP H <sub>2</sub> O	1.228	1.220	1.433
Manufacturer	Hollingsworth & Vose	Hollingsworth & Vose	Sifa Technology
Material	HB7633 Reformatted PFAS Free	HB7633	N9120
Extruded Finger Guard	Both Sides	Both Sides	Both Sides
Filter Frame	Aluminum	Aluminum	Aluminum
Filter Medium	Pleated HEPA	Pleated HEPA	Pleated ULPA

Particulate Size Range	Fractional Efficiency	Fractional Efficiency	Fractional Efficiency
0.1 – 0.2	99.998%	99.996%	99.9995%
0.2 – 0.3	99.999%	99.997%	100.000
0.3 – 0.5	100.000	99.999%	100.000
0.5 – 0.7	100.000	100.000	100.000
0.7 – 1.0	100.000	100.000	100.000
1.0 – 2.0	100.000	100.000	100.000
2.0 – 3.0	100.000	100.000	100.000
3.0 – 5.0	100.000	100.000	100.000

$$F_{eff} = \frac{C_{up} - C_{down}}{C_{up}} \times 100\%$$

1. Testing Facility: LMS Technologies, Inc. 6423 Ceilia Circle, Bloomington, MN 55439
2. <https://www.iest.org/Standards-RPs/Recommended-Practices/IEST-RP-CC001>
3. Formula  $F_{eff}$  = Fractional Efficiency;  $C_{up}$  = Particle Concentration, Upstream of Filter;  $C_{down}$  = Particle Concentration Downstream of Filter

