

## Filter Characteristics

Product Name	ATOMIK-F1
Dimensions: L x H x D (cm x cm x cm   in x in x in)	81 x 105.6 x 4.0   31.89 x 41.57 x 1.57
Number of pleats	30
Weight (kg   lbs)	≤ 4.5   ≤ 9.8
Cleaning method	Air jet cleaning (Dry wash)
Nominal air flow rate (m <sup>3</sup> /h   CFM)	4077.62   2400

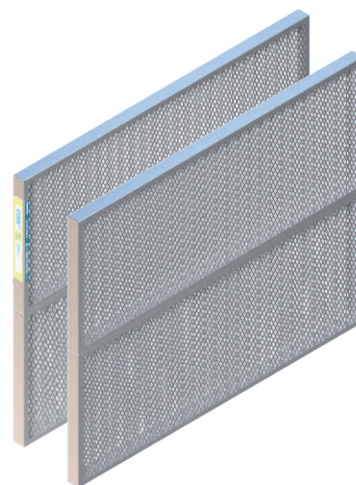
## Filter Media Performance

Standard	ASHRAE 52.2
Environmental Condition	Temperature 70°F Humidity 40%
Challenge Aerosol	KCl, Neutralized
Filtration Efficiency (%)	61.2 (@ 0.3-1 µm particle) 92 (@ 1-3 µm particle) 99 (@ 3-10 µm particle)
Dust Holding Capacity (g/m <sup>2</sup> )	18.4
Classification	MERV 13

## Filter Unit Performance

Bioaerosol filtration efficiency (%)	74.1 (Fungi: Aspergillus Niger) 78.1 (Bacteria: Staphylococcus Aureus)
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- The figure provides ranges of particle sizes for each listed source, derived from existing published studies.
- The size of aerosols is influenced by factors such as the nature of the operation, environmental conditions, material type, etc. The size distribution might vary from the represented ranges in the figure.
- Agglomeration of particles can occur, leading to the formation of secondary particles that are larger than the primary ones.



# AtomikAir Filter Media

