



UltraCel I

The Industry's Preferred HEPA and ULPA Filters



- High Efficiency Filtration with low resistance
- Suitable for HVAC system with turbulence air flow & repeated shutdown.
- Suitable to be applied in cleanroom HVAC System that required cleanliness from Class 100k to Class 1
- Each piece fully tested with certificate.

VAF's UltraCel I is designed to provide the solutions for critical cleanliness requirements in cleanroom. This filter is constructed by ultra fine glass fiber with extremely high filtration efficiency which able to attain the efficiency from H13 (99.99% @ 0.3um) up to U15 (99.9995% @ 0.12um). Therefore, this series of filter is very suitable to be applied at the cleanroom such as Pharmaceutical, Semiconductor, Laboratory, Food and Beverage production, and Hospitals which requires high level of cleanliness, usually range from Class 100k to Class 1.

UltraCel media is supported by aluminum separators enables the filter to withstand the turbulence air flow with high static pressure, which usually occurs in the HVAC system that requires frequent shut down and high air flow. In order to cater the demands of different applications in the industries, VAF also provides various choices of cell side for this series of filter, which inclusive of Particle Board, MDF, Galvanized steel, Aluminum and Stainless Steel. The gasket of the filter is made of Neoprene Expanded Rubber and the media is bonded to the cell side by Polyurethane.

VAF's Ultracel I comes with a few model, in which each model has its own characteristics in order to suit different application requirements:

- **UltraCel I Standard Capacity (SC)**

For full size (610 x 610 x 292 mm), this model is able to provide air flow of 2000 CMH. The maximum operating temperature for this model is at 80 degree Celsius.

- **UltraCel I High Capacity (HC)**

For full size (610 x 610 x 292 mm), this model is able to provide air flow of 2000 CFM (3400 CMH). The maximum operating for this model is at 80 degree Celsius.

- **Ultracel I High Temperature (HT)**

This model is able to withstand the operating temperature up to 250 degree Celsius. This filter only comes with metal cell side with red gasket. Both normal and high capacity air flow are available for this model.

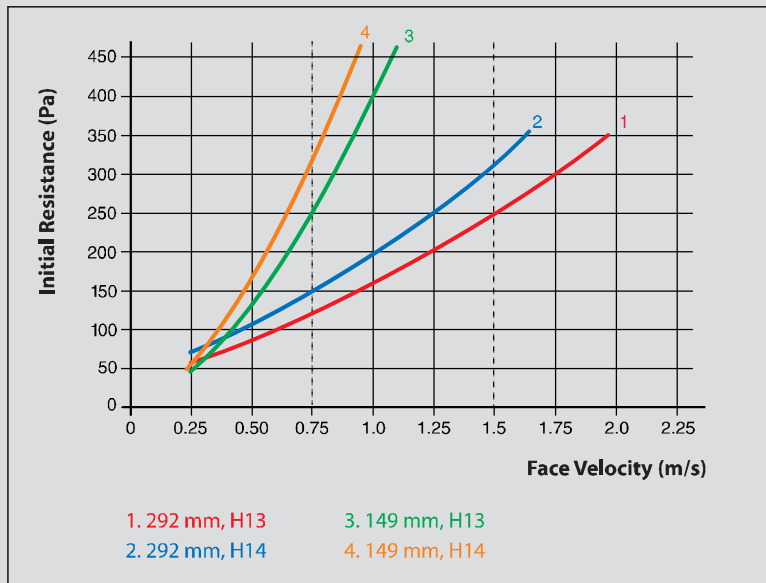


UltraCel I

Standard size mm without gasket			Standard Capacity	High Capacity
H	W	D	m ³ /h	m ³ /h
610	305	149	500	850
610	610	149	1000	1700
610	915	149	1800	2550
610	305	292	1000	1700
610	610	292	2000	3400
610	915	292	3000	5100

Notes: - Initial resistance for Standard Capacity airflow is: 250 Pa for H13 filter 320 Pa for H14 filter - Recommended final resistance is 750 Pa	Notes: - Initial resistance for High Capacity airflow is: 300 Pa for H13 filter 350 Pa for H14 filter - Recommended final resistance is 750 Pa
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UltraCel I SC INITIAL RESISTANCE VS AIRFLOW CAPACITY



UltraCel filters are non-directional and may be installed with the airflow in either direction. The arrow on the label indicates the direction of airflow during factory testing.



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