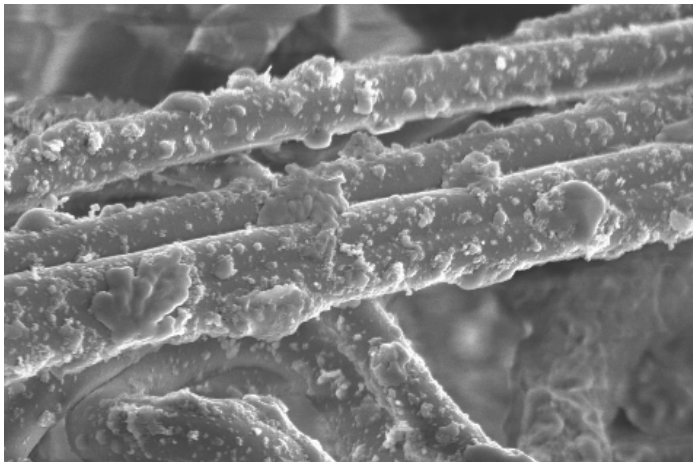
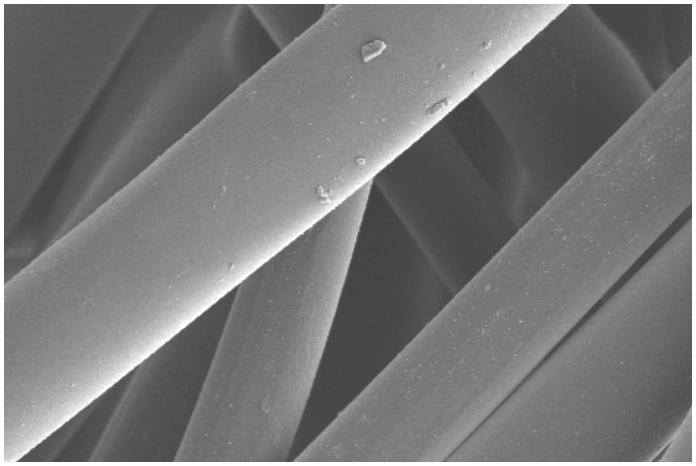
ULTRA 6
High Efficiency
Thin Line Filter

TRIDIM
A MANN+HUMMEL Company

ULTRA 6
Innovative Solutions



Upstream



Downstream

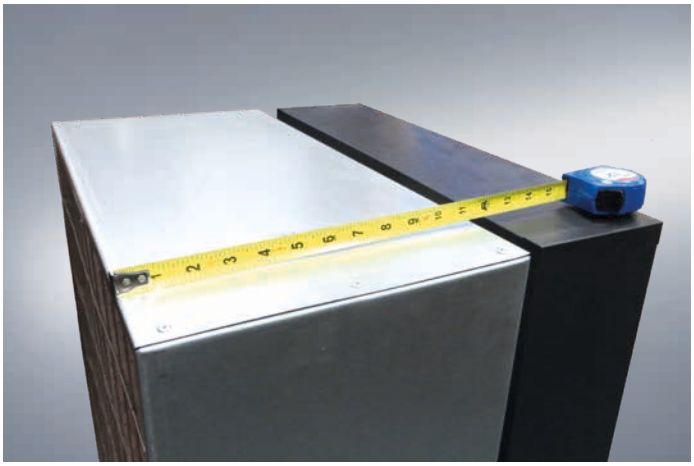
INNOVATIVE SOLUTIONS

The ULTRA 6 utilizes a new generation of media that offers unmatched and innovative performance with verifiable cost savings - cost savings generated from:

- Reduced Shipping/Storage
- Reduced trips to and from air handler
- Reduced waste to landfill/recycler
- Reduced energy consumption
- Reduced life cycle cost, 'VALUE-IN-USE'
- Benefits of clean air , i.e. reduced employee sick days
- Reduced maintenance on system hygiene, i.e. coil and duct

ULTRA MEDIA

What matters in filter design is high efficiency, low resistance and long service life (dust loading characteristics). So how is this achieved with the ULTRA media? ULTRA media may have the same basis weight as similar medias .... but with smaller diameter fibers it has significantly more surface area available to capture particles than similar medias with larger fibers. Looking at actual SEM images will help tell the story. Pictured are upstream and downstream surface of the ULTRA media after it had been installed in a healthcare facility for two and a half years. The upstream side magnified 6,000 times shows a lot of particulate from 2 microns down to a few tenths of a single micron. The downstream side is free of particles. The ULTRA media is performing as expected - stopping virtually all particulate matter from getting through the filter. This performance at ultra-low resistance does not happen by accident, but by design.



CONSTRUCTION

The ULTRA 6 utilizes a robust HIPS frame and is sealed to the frame on all four sides. This combined with the strong ULTRA media results in a filter that can handle demanding applications. The HIPS frame helps with Green Initiatives - plastic can be recycled multiple times and only needs a fraction of the energy needed to produce steel. Less waste is generated when produced and the result is a light weight and robust frame. The ULTRA 6 filter offers many features, among them are the benefit of a reduced footprint, rather than needing a 12" deep cell or a 22-36" deep pocket bag filter. This can save money during new construction and retrofit projects but can also save you money and time during changeout. Packed two per case this reduces the shipping and storage cost and also reduces the number of trips to that rooftop AHU. In addition, the ULTRA 6 weighs only 9.5 pounds - 60% less than traditional ASHRAE Cell filters. This will add up to huge shipping savings as well as less wear and tear on the back muscles of your maintenance staff.

REAL WORLD PERFORMANCE

Laboratory testing is certainly beneficial but real world testing is important to verify the results of laboratory testing are the same as what is being experienced in the 'real world'. The ULTRA 6 was tested in a office building in a large metropolitan area for 11 months. After 11 months it was sent to our test laboratory for a battery of test. The testing verified that the ULTRA 6 maintained a high efficiency and still has a low pressure drop even after 11 months of use, indicating that there is still remaining service life. (Office building, 100% return air, no prefilter)

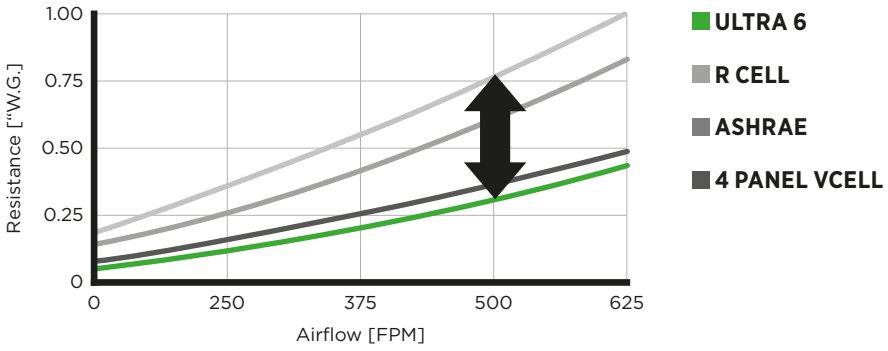
ULTRA 6
Technical Data

SPECIFICATIONS

Specifications	ULTRA 6
Media	ULTRA Hybrid Media
Frame	HIPS - available in box and single header versions
Efficiency ASHRAE 52.2 *(ASHRAE 52.1 Equivalent)*	MERV 15A *(95%)* / MERV 13 *(85%)*
Initial Resistance @ 500 FPM *(2.54 m/sec)*	0.31" WG *(77 PA)* / 0.27"WG *(67 PA)*
Final Resistance	1.5" WG *(373 PA)*
Burst Strength	+ 8" WG *(+ 1990 PA)*
Temperature Limit	160°F *(71°C)*

PERFORMANCE

Tri-Dim's ULTRA 6 MERV 15 media offers trusted efficiency with low, energy-saving resistance (see graph on right). In addition, the ULTRA 6 can be used with TRI-DEK® with no pressure drop penalty. The ULTRA 6 can also be used in tight spaces with it's slim profile.



Tri-Dim Filter Corporation is committed to continual product development – all descriptions, specifications and performance data are subject to change without notice. Tri-Dim products are manufactured to exacting criteria – there can be a ±5% variance in filter performance.

LOCAL REPRESENTATIVE

MANN+HUMMEL
TRIDIM
A MANN+HUMMEL Company

Tel: 800-458-9835
info@tridim.com

tridim.com
mann-hummel.com