



ULTRASTAR REPLACEABLE TERMINAL MODULES

CLEANROOM FILTRATION

- 99.99% (HEPA) minimum removal on 0.3 μ m efficiency
- 99.9995% (ULPA) minimum removal on 0.1 to 0.2 μ m efficiency
- 2.5" mini-pleat media packs
- Anodized extruded aluminum frame with galvanized hood
- Gel sealant ensures a leak free, uniform seal
- All filters are subject to an efficiency test and a probe scan
- Easy and cost effective to changeout and install
- Designed and built in an ISO 9001 registered facility



DESCRIPTION

The UltraStar Replaceable Terminal Modules use mini-pleated wet laid glass media with efficiency of 99.99% (HEPA) on 0.3 μ m particle size or 99.9995% (ULPA) on 0.1 to 0.2 μ m particle size. Designed for easy installation, optimum service life and are ideal when frequent changeouts are required. The media pack is a 2.5" (63mm) depth with an overall unit height of 8.94".

BENEFITS

- An adjustable damper creates balanced and uniform airflow resulting in longer service life

- Lower cost of ownership-only the filter pack is changed, not the entire module
- Low pressure drop design reduces energy consumption
- Unique retaining strip system allows for quick and easy installation and replacement of the filter-no tools needed

APPLICATIONS

These ducted modules are designed to optimize performance in filtration applications for the pharmaceutical, medical, semiconductor, microelectronic, biotechnology and photographic industries as well as for surgical rooms in hospitals.

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ULTRASTAR REPLACEABLE TERMINAL MODULES

FEATURES

- Patented (US Patent 4,963,171) manufacturing technology allows potting material to completely encapsulate pleats on all four sides
- A unique retaining strip system ensures quick filter installation and easy replacement
- Cost savings because only the filter is changed, not the entire hood
- Adjustable dampers providing balanced and uniform airflow over the complete filter
- Fluid gel sealant ensures a leak free, uniform seal
- 70% open face screen keeps the high performance of the media intact
- Protective screen is offset from pleat tips to eliminate wear due to vibration, installation and handling
- Design is manufactured and tested in an ISO 9001 environment

BENEFITS

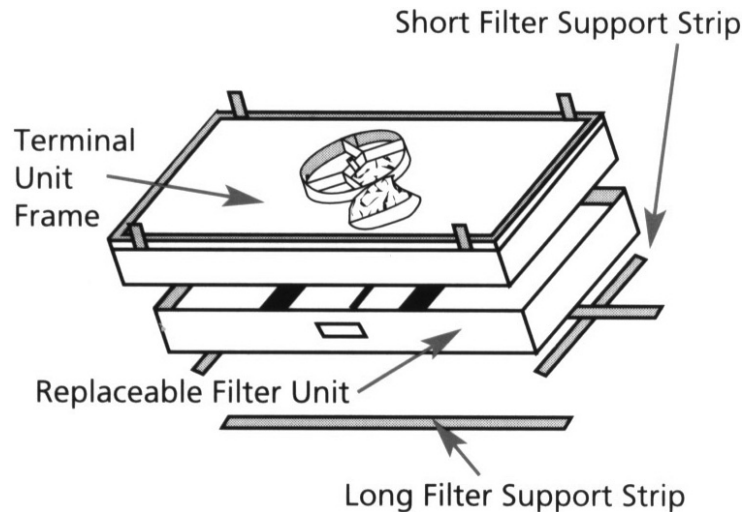
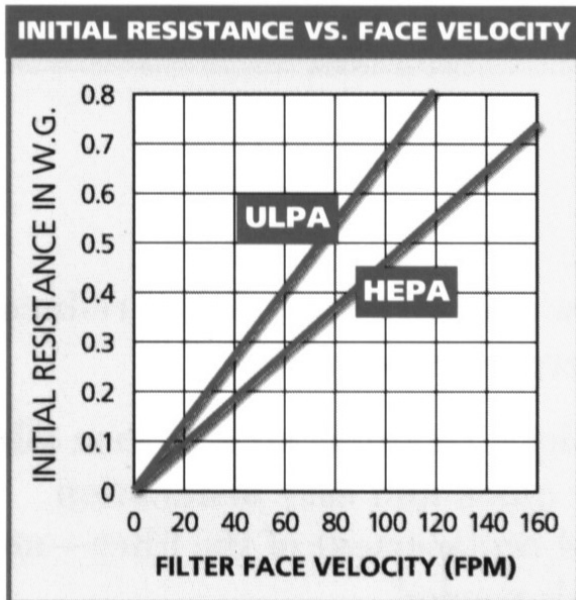
- Guaranteed Seal
- Easy Installation and Replacement-No Tools Needed
- Low Cost of Ownership
- Longer Lifetime of Filter
- Leak Proof
- Low Pressure Drop
- No Media Damage
- Quality

ULTRASTAR REPLACEABLE TERMINAL MODULE-2.5" MEDIA PACK

Part Number	Efficiency % (Min)	Size (Inches) (WxLxD)	Collar	~Shipping Weight (Lbs)
40657	99.99	23.62 x 23.62 x 8.94	10	27
40658	99.99	23.62 x 47.62 x 8.94	10	45
40662	99.99	23.62 x 47.62 x 8.94	12	45
40659	99.9995	23.62 x 23.62 x 8.94	10	27
40660	99.9995	23.62 x 47.62 x 8.94	10	45
40664	99.9995	23.62 x 47.62 x 8.94	12	45

REPLACEMENT FILTERS

Part Number	Replacement For Part Number At Left	~Shipping Weight (Lbs)
40665	40657	13.5
40666	40658,40662	23.5
40667	40659	13.5
40668	40660,40664	23.5



Note: This graph represents a typical rating. The inside face dimension (not including filter frame) is used to calculate resistance. Filters are tested at 100 FPM at the factory. Recommended service resistance is approximately two times the initial resistance at the factory test flow rate.

$$\text{Filter Face Velocity (FPM)} = \frac{\text{Rated Flow [cu ft per min.]} \times 144}{\text{Height of Filter [in]} - 1.24" \times \text{Width of Filter [in]} - 1.24"}$$

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