

# FILTRATION GROUP

## ULTRASTAR REPLACEABLE TERMINAL MODULES



### CLEANROOM FILTRATION

- 99.99% (HEPA) minimum removal on 0.3µm efficiency
- 99.9995% (ULPA) minimum removal on 0.12µm 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 in accordance with IES-RP-CC-001.4
- Easy and cost effective to changeout and install



### DESCRIPTION

The UltraStar Replaceable Terminal Modules use mini-pleated wet laid glass media with efficiency of 99.99% (HEPA) on 0.3µm particle size or 99.9995% (ULPA) on 0.12µm 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 frame 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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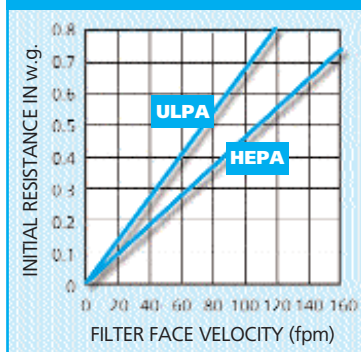
## ULTRASTAR REPLACEABLE TERMINAL MODULES

FEATURES	BENEFITS
<ul style="list-style-type: none"> <li>A unique retaining strip system ensures quick filter installation and easy replacement</li> </ul>	Easy Installation and Replacement— No Tools Needed
<ul style="list-style-type: none"> <li>Cost savings because only the filter is changed, not the entire hood</li> </ul>	Low Cost of Ownership
<ul style="list-style-type: none"> <li>Adjustable dampers providing balanced and uniform airflow over the complete filter</li> </ul>	Longer Lifetime of Filter
<ul style="list-style-type: none"> <li>Fluid gel sealant ensures a leak free, uniform seal between filter &amp; hood</li> </ul>	Leak Proof
<ul style="list-style-type: none"> <li>70% open face screen keeps the high performance of the media intact</li> </ul>	Low Pressure Drop
<ul style="list-style-type: none"> <li>Hot melt beads protect pack from screen</li> </ul>	No Media Damage

ULTRASTAR REPLACEABLE TERMINAL MODULE—2.5" MEDIA PACK				
PART NUMBER	EFFICIENCY % (min)	SIZE (in.) (W x L x D)	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

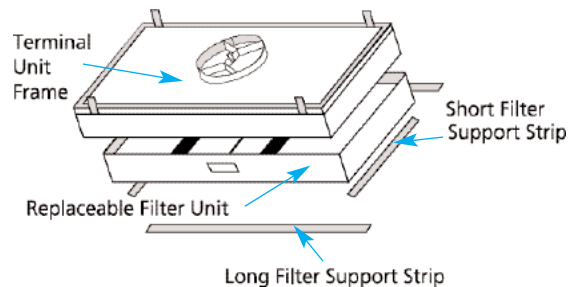
REPLACEMENT FILTERS		
PART NUMBER	REPLACEMENT FOR PART NUMBER AT LEFT	~SHIPPING WEIGHT (lbs.)
40665	40657	13.5
40666	40658, 40662	23.5
40667	40659	13.5
40668	40660, 40664	23.5

INITIAL RESISTANCE VS. FACE VELOCITY



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.

$$\text{Filter Face Velocity (fpm)} = \frac{\text{Rated Flow (cu ft per min)} \times 144}{(\text{Height of Filter (in)} - 2.75) \times (\text{Width of Filter (in)} - 2.75)}$$



### AVAILABLE OPTIONS

- Downstream gasket
- Additional test ports
- Stainless steel or anodized aluminum downstream screen
- Insulation
- Butterfly damper

### DISTRIBUTED BY

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