AEROSTAR®

CLEANROOM FILTRATION

- 99.99% (HEPA) minimum removal on 0.3µm efficiency

- 99.9995% (ULPA) minimum removal on 0.12µm efficiency

- 2.0" and 2.5" mini-pleat media packs

- Anodized extruded aluminum 3.06" and 5.88" frame

- All filters are subject to an efficiency test and a probe scan in accordance with IES-RP-CC-001.4
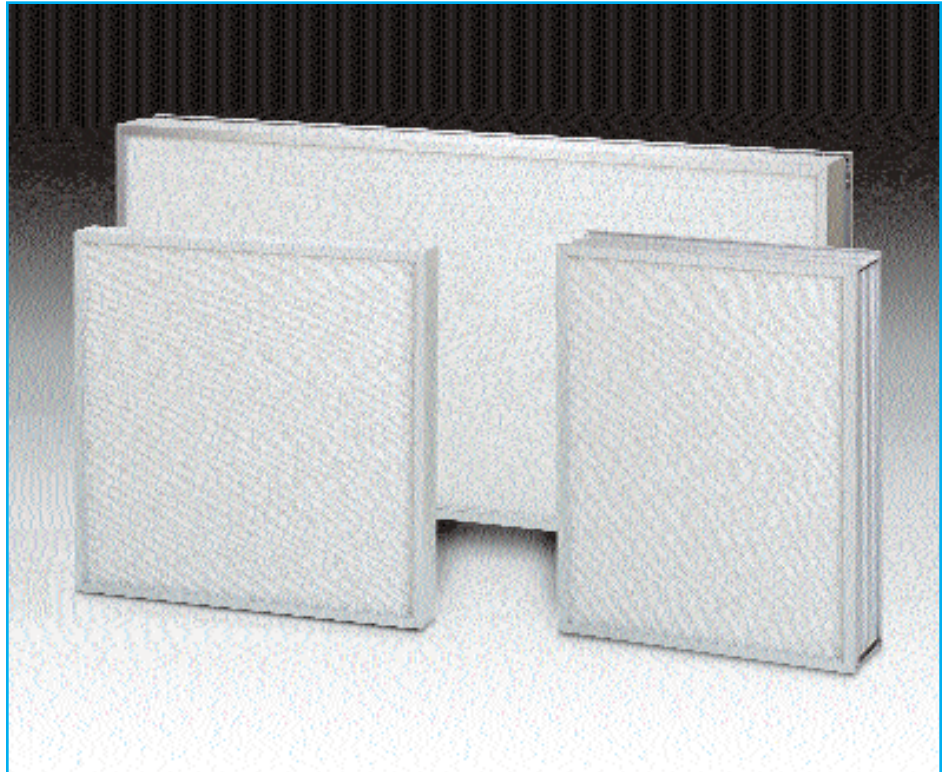
DESCRIPTION

The UltraStar Cleanroom Panels 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 and longer service life. The media pack is available in a 2.0" (51mm) and a 2.5" (63mm) version with a frame depth of 3.06" or 5.88" respectively.

BENEFITS

- Low pressure drop design reduces energy consumption

- Low profile design allows for installations with minimal overhead space

- White painted screen protects the media pack while providing an attractive finished appearance

APPLICATIONS

These filters are designed to optimize performance in filtration applications for the pharmaceutical, medical, semi-conductor, microelectronic, biotechnology mini-environment, bio-safety cabinets and photographic industries as well as for surgical rooms in hospitals.

FEATURES	BENEFITS
• Frame corners secured with corner clips and urethane seal	Leak Proof
• Maximized media content for lower pressure drop and extended service life	Lower Energy Cost
• 70% open face screen keeps the high performance of the media intact	Low Pressure Drop
• Hot melt beads protect pack from screen	No Media Damage
• Aluminum frames reduce weight and need for structural support	Easy Installation, Light Weight

3.06" Frame

3.06 (ref)
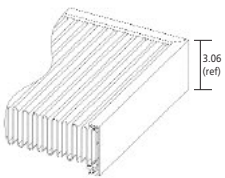
ULTRASTAR CLEANROOM PANEL— 3.06" SMOOTH FRAME AND 2.0" MEDIA PACK

PART NUMBER*	EFFICIENCY % (min)	SIZE (in.) (W X L X D)	SHIPPING WEIGHT (lbs.)
40669	99.99	23.62 x 23.62 x 3.06	9
40711	99.99	23.62 x 35.62 x 3.06	12
40670	99.99	23.62 x 47.62 x 3.06	15
40671	99.9995	23.62 x 23.62 x 3.06	9
40712	99.9995	23.62 x 35.62 x 3.06	12
40672	99.9995	23.62 x 47.62 x 3.06	15

5.88" Frame

5.88 (ref)
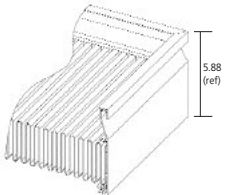
ULTRASTAR CLEANROOM PANEL— 5.88" FRAME AND 2.5" MEDIA PACK

PART NUMBER*	EFFICIENCY % (min)	SIZE (in.) (W X L X D)	SHIPPING WEIGHT (lbs.)
40653	99.99	23.62 x 23.62 x 5.88	11
40654	99.99	23.62 x 47.62 x 5.88	20
40655	99.9995	23.62 x 23.62 x 5.88	9
40656	99.9995	23.62 x 47.62 x 5.88	15

3.06" C-Channel Frame

3.06 (ref)
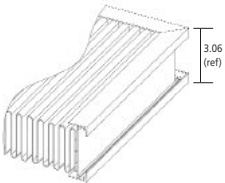
ULTRASTAR CLEANROOM PANEL— 3.06" C-CHANNEL FRAME AND 2.5" MEDIA PACK

| PART NUMBER*	EFFICIENCY % (min)	SIZE (in.) (W X L X D)	SHIPPING WEIGHT (lbs.)
22288	99.99	23.62 x 23.62 x 3.06	9
22289	99.99	23.62 x 47.62 x 3.06	15
22293	99.9995	23.62 x 23.62 x 3.06	9
22294	99.9995	23.62 x 47.62 x 3.06	15

Painted (white) Downstream Screen—Standard
Contact Customer Service for additional sizes and information.

AVAILABLE OPTIONS
• Downstream gasket
• Divider with test port
• Stainless steel or anodized aluminum downstream screen

INITIAL RESISTANCE VS. FACE VELOCITY 2.0" MEDIA PACK
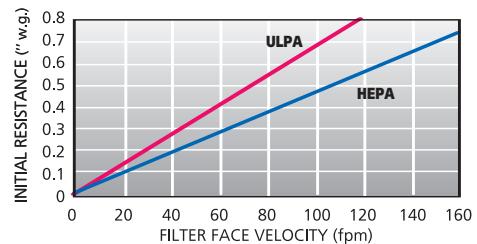
Note: This graph represents a typical rating. The inside face dimension (not including filter frame) is used to calculate resistance. 3 1/16" filters are tested at 100 fpm at the factory. Recommended service resistance is approximately two times the initial resistance at the factory test flow rate.

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

INITIAL RESISTANCE VS. FACE VELOCITY 2.5" MEDIA PACK
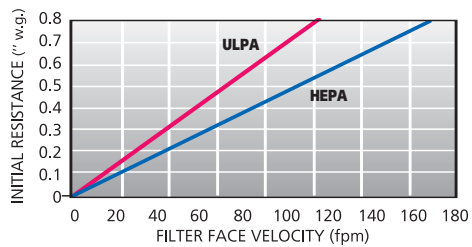
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