

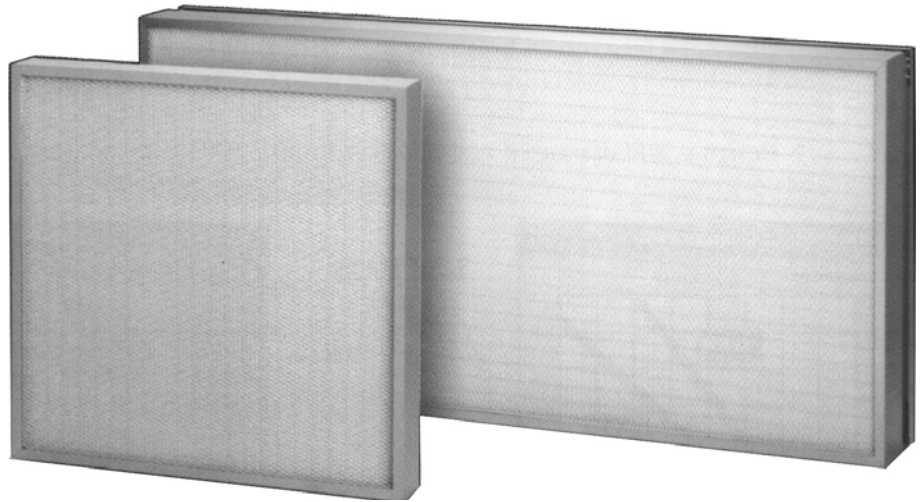
# FILTRATION GROUP

## ULTRASTAR CLEANROOM PANELS



### CLEANROOM FILTRATION

- 99.99% (HEPA) minimum removal on 0.3µm efficiency
- 99.9995% (ULPA) minimum removal on 0.1 to 0.2µm 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
- Designed and built in an ISO 9001 registered facility



### 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 0.1 to 0.2µm particle size. Designed for easy installation and longer service life. The media pack is available in a 2.0" (51mm) version with a frame depth of 3.06" and a 2.5" (63mm) version with a frame depth of 5.88".

### BENEFITS

- Low pressure drop design reduces energy consumption
- The 5.88" extruded frame design is ideally suited for fan powered modules

- 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 non-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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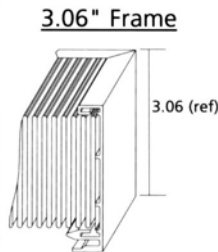
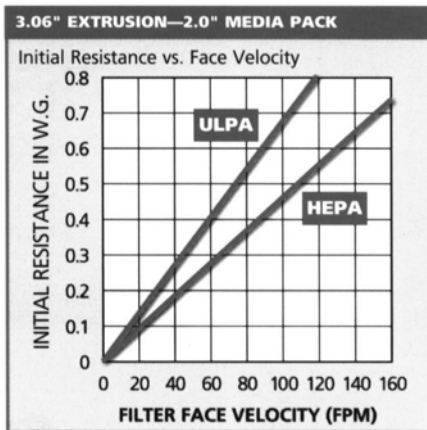
# ULTRASTAR CLEANROOM PANELS

## FEATURES

- Patented (US Patent 4,963,171) manufacturing technology allows potting material to completely encapsulate pleats on all four sides
- Frame corners secured with corner clips and urethane seal
- No aluminum separator and maximized media content for lower pressure drop
- Protective screen designed to offset from pleat tips to eliminate wear due to vibration, installation and handling
- 70% open face screen keeps the high performance of the media intact
- Aluminum frames reduce weight and need for structural support
- Design is manufactured and tested in an ISO 9001 environment

## BENEFITS

- Guaranteed Seal
- Leak Proof
- Lower Energy Cost
- No Media Damage
- Low Pressure Drop
- Easy Installation, Light Weight
- Quality



## ULTRASTAR CLEANROOM PANEL-2.0\"/>

PART NUMBER*	EFFICIENCY % (MIN)	SIZE (INCHES) (WxLxD)	-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

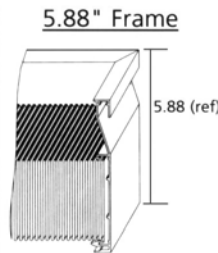
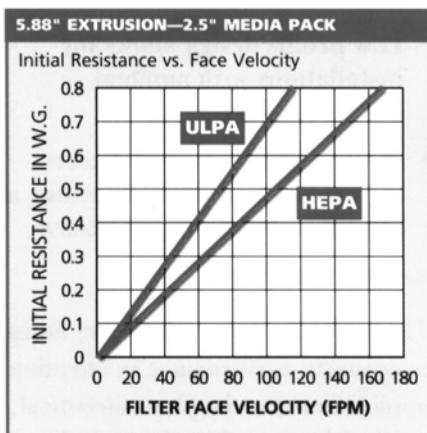
## ULTRASTAR CLEANROOM PANEL-2.5\"/>

PART NUMBER*	EFFICIENCY % (MIN)	SIZE (INCHES) (WxLxD)	-SHIPPING WEIGHT (LBS)
40705	99.99	24.00 x 24.00 x 5.88	11
40706	99.99	24.00 x 36.00 x 5.88	15
40707	99.99	24.00 x 48.00 x 5.88	20
40653	99.99	23.62 x 23.62 x 5.88	11
40654	99.99	23.62 x 47.62 x 5.88	20
40708	99.9995	24.00 x 24.00 x 5.88	9
40709	99.9995	24.00 x 36.00 x 5.88	12
40710	99.9995	23.62 x 48.00 x 5.88	15
40655	99.9995	24.00 x 23.62 x 5.88	9
40656	99.9995	23.62 x 47.62 x 5.88	15

\*Painted (white) Downstream Screen - Standard

## AVAILABLE OPTIONS

- Downstream Gasket
- Upstream Gasket
- Port Divider



Note: This graph represents a typical rating. The inside face dimension (not including filter frame) is used to calculate resistance. 3 1/16\"/>

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

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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