

High Purity Products

High Purity

HEPA/ULPA Filter Construction and Testing Options

This table provides a thorough overview of the options available for each of our HEPA and ULPA filters, allowing you to make informed decisions for a given application and configuration. Each feature is denoted as standard (●), optional (Option), or not available ().

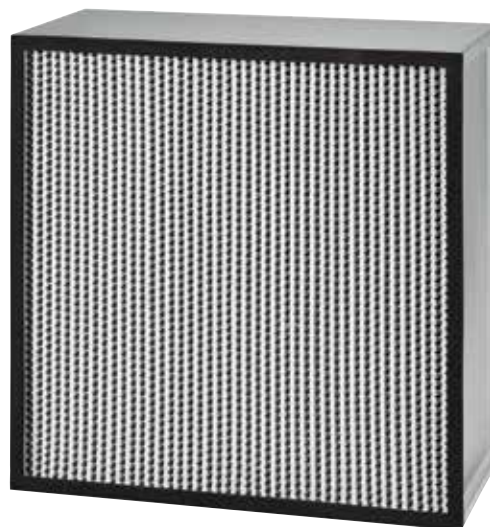
	MEGAcel® I ePTFE*	MEGAcel® II ePTFE*	MEGAcel® III ePTFE*	MEGAcel® I eFRM	MEGAcel® II eFRM	MEGAcel® III eFRM	AstroCel® I	AstroCel® II	AstroCel® III
Expanded PTFE Membrane (ePTFE)	●	●	●						
Expanded Fluororesin Membrane (eFRM)				●	●	●			
Glass Fiber Media							●	●	●
Hot Melt Separators		●	●		●	●		Option	Option
Ribbon Pleat								●	
Dimple Pleat								Option	
String Pleat								Option	Option
Embossed/Close Pleat	Option			Option			Option		
Aluminum Separator	●			●			●		
Vinyl Coated Aluminum Separator	Option			Option			Option		
Plastic Separator	Option			Option			Option		
Stainless Steel Separator	Option			Option			Option		
Urethane Pack to Frame Sealant	●	●	●	●	●	●	●	●	●
Silicone Sealant							Option		
64 mm to 149 mm Frame Depths		●			●			●	
V-Style Packs			●			●			●
Gel Seal Filter & Knife Edge	Option	Option	Option	Option	Option	Option	Option	Option	Option
PU-EPDM-Neoprene Gasket	Option	Option	Option	Option	Option	Option	Option	Option	Option
Silicone Gasket							Option		
Painted/Stainless Steel Faceguard	Option	Option		Option	Option		Option	Option	
Fabricated Aluminum Frame	Option		Option	Option		Option	Option		Option
Extruded Aluminum Frame	Option	●	Option	Option	●	Option	Option	●	Option
Stainless Steel Frame	Option	Option	Option	Option	Option	Option	Option	Option	Option
Galvaneal/Galvanized Frame	Option		Option	Option		Option	Option		Option
Particleboard/Plywood Frame	Option			Option			Option		
Plastic Frame	Option			Option			Option		
High Temperature (≥65°C / 149°F)							Option		
Factory Testing - Suitable for Common Test Aerosols (Concentration & Equipment Specific) *DOP*, PAO, PSL, DEHS *Nuclear Market Only*	●	●	●	●	●	●	●	●	●
Field Testing - Suitable for Common Test Aerosols (Concentration & Equipment Specific) PAO, PSL	●	●	●	●	●	●	●	●	●
EN1822: E10 to U17 (ePTFE H13 to U17 only, eFRM H13 and H14 only)	●	●	●	●	●	●	●	●	●
IEST-RP-CC001: Type A-E, H-K	●	●	●	●	●	●	●	●	●
IEST-RP-CC001: Type F-G		●						●	
UL-900/ULC-S111	Option	Option	Option	Option	Option	Option	Option	Option	Option
UL-586							Option	Option	
FM 4920								Option	
Centerboard for PD or Upstream Concentration Measurement		Option			Option			Option	

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MEGAcel® I eFRM

Product Overview

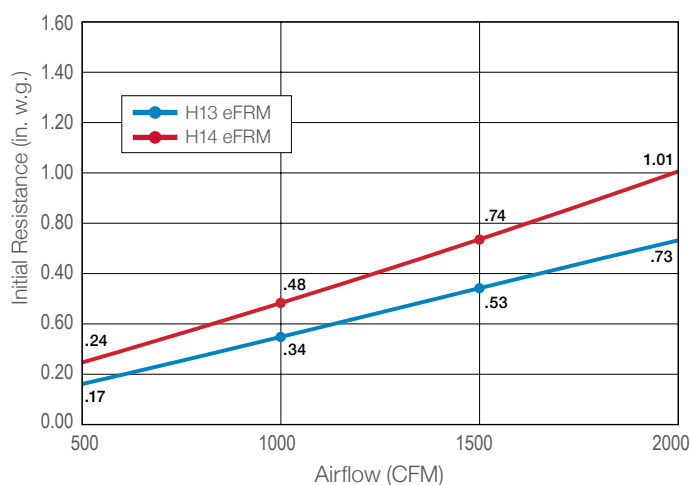
- Lower energy consumption – greater than 30%-50% lower resistance as compared to 12" deep high capacity HEPA filters
- AAF Flanders eFRM media combines ultra-high efficiency with lowest pressure drop
- Complete compatibility with photometric test aerosols (e.g. PAO, DOP, etc.)
- Highly resistant to corrosive environments (acids, alkalis, and organic substances)
- Negligible offgassing properties (boron, sodium, potassium, silicon)
- High tensile strength media, more resistant to rough handling in transportation and installation
- Withstands pressure up to 20 in. w.g. (5,000 Pa)
- 99.99% to 99.999% minimum efficiency @ 0.3 µm (H13-H14)



Specifications

Efficiency	HEPA
Filter Depth	12"
Frame Material	Galvanized Steel, Aluminum, or Stainless Steel
Separator Style	Corrugated Aluminum
Max Operating Temperature	150°F (66°C)
Special Size Available	Yes
Frame Style	Gel Seal, Gasket Seal
Antimicrobial Available	No
Media Type	eFRM
Air Filtration Certification	UL 900, ULC-S111

Initial Resistance vs. Airflow Capacity



Performance data based on a 24"x 24" x 11½" filter

Product Information

Style Code	Actual Size Inches (H x W x D)	Rated Airflow (SCFM)	Std. Pkg. Qty. Per Carton	Shipping Wt. Lbs. per Box (± 7%)	Cubic Ft.
Gasket Seal (99.99%) – Gasket on Air Leaving Side Only					
E24A24AA1P13E2T0BA	24 x 24 x 11½	2,000	1	46.0	4.5
E24A12AA1P13E2T0BA	24 x 12 x 11½	925	2	64.0	2.4
E12A24AA1P13E2T0BA	12 x 24 x 11½	825	1	36.0	2.4
E23D23DA1P13E2T0BA	23¾ x 23¾ x 11½	1,900	1	45.0	4.3
E11D23DA1P13E2T0BA	11¾ x 23¾ x 11½	750	1	36.0	2.2
Gasket Seal (99.99%) – Gaskets on Both Air Entering and Air Leaving Sides					
E24A24AA1P13E3T0BA	24 x 24 x 11½	2,000	1	46.0	4.3
E24A12AA1P13E3T0BA	24 x 12 x 11½	925	1	36.0	2.2
E12A24AA1P13E3T0BA	12 x 24 x 11½	825	1	36.0	2.2
E23D23DA1P13E3T0BA	23¾ x 23¾ x 11½	1,900	1	45.0	4.3
E11D23DA1P13E3T0BA	11¾ x 23¾ x 11½	750	1	36.0	2.2
Gel Seal Filters (99.99%)					
E24A24AA1P13F2T0AA	24 x 24 x 11½	2,000	1	46.0	4.3

Additional sizes and configurations available upon request – see following page.

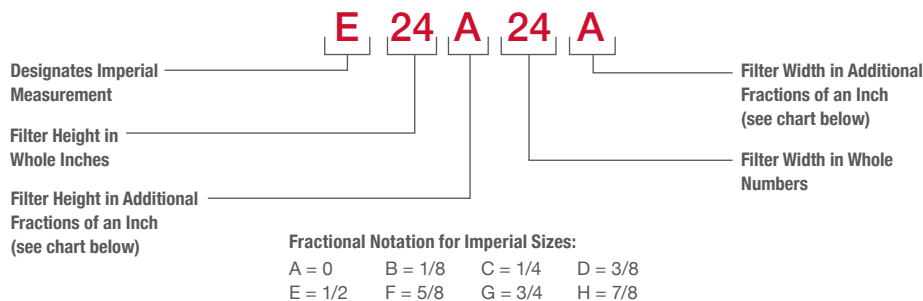
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MEGAcel® I eFRM Style Code

E24A24A A 1 P 13 F 2 T 0 AA

(1) (2) (3) (4) (5) (6) (7) (8) (9) (10)

(1) SIZE	(2) DEPTH	(3) SEALANT	(4) MEDIA	(5) ACCEPTANCE LEVEL	(6) GASKET MATERIAL	(7) GASKET LOCATION	(8) SEPARATOR	(9) FACEGUARD	(10) FRAME & CONFIGURATION
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1. SIZE

Example: E23D11G
23 3/8" High x 11 3/4" Wide

2. DEPTH

Code	Type
A	11 1/2"

3. BOND

1	Polyurethane
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4. MEDIA

P	eFRM (99.99% on 0.3 micron or H13)
T	eFRM (99.999% on 0.3 micron or H14)

5. ACCEPTANCE LEVEL

13	99.99% on 0.3 micron, scanned
14	99.999% on 0.3 micron, scanned
21	99.95% on MPPS (H13)
22	99.995% on MPPS (H13)

6. GASKET/GEL MATERIAL

B	Polyurethane Gel
E	EPDM
F	Silicone Gel
P	None
T	Neoprene
U	Poron

*Gaskets are 1/4" thick x 3/4" wide

7. GASKET/GEL LOCATION

Code	Type
0	None
1	Air Entering Side
2	Air Leaving Side
3	Both Sides
5	Extractor Clips

8. SEPARATOR

T	Aluminum
W	Vinyl Coated Aluminum

9. FACEGUARD

0	None
1	Air Entering Side
2	Air Leaving Side
3	Both Sides

10. FRAME AND CONFIGURATION:

AA	Galvanized Steel - Gel Seal
AB	304 Stainless Steel - Gel Seal
AC	409 Stainless Steel - Gel Seal
AD	Aluminum - Gel Seal
BA	Galvanized Steel - Gasket Seal
BB	304 Stainless Steel - Gasket Seal
BC	409 Stainless Steel - Gasket Seal
BD	Aluminum - Gasket Seal

High Purity

AstroCel® III

Product Overview

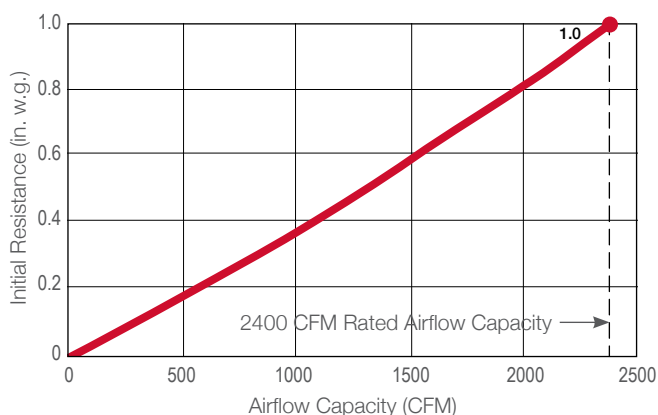
- Ideal for demanding operating conditions in critical applications
- Double the media area typically found in standard HEPA filters for longer filter life and fewer changeouts
- V-bank design for maximum effective media area and minimal resistance to airflow
- Extremely low resistance and long filter life means a much lower Total Cost of Ownership
- Chemical-resistant anodized aluminum frame provides superior strength
- One-piece polyurethane gasket seal and gel seal designs available
- 436 sq. ft. of media, 99.99% efficiency, and 1.0" w.g. pressure drop at 2400 CFM (24 x 24 x 11½ gasket seal configuration)



Specifications

Efficiency	HEPA
Filter Depth	12"
Media Type	Microglass
Frame Material	Anodized Aluminum
Special Size Available	No
Antimicrobial Available	No
Frame Style	Gel Seal, Gasket Seal
Separator Style	Glass Filament
Max Operating Temperature	200°F (93°C)
Air Filter Certification	UL 900, ULC-S111, UL 586

Initial Resistance vs. Airflow Capacity



Performance data is based on AstroCel III 24" x 24" x 11½" gasket seal filter.

Product Information

Part Number	Actual Size Inches (H x W x D)	Rated Airflow SCFM @ 1.0" w.g.	Std. Pkg. Qty. Per Carton	Shipping Wt. Lbs. per Box (± 7%)	Cubic Ft.
Gasket Seal Filters					
3015302-001	24 x 24 x 11½	2400	1	42.0	4.5
3015302-002	24 x 12 x 11½	900	1	30.0	2.8
3015302-003	23¾ x 23¾ x 11½	2325	1	41.0	5.0
3015302-004	23¾ x 11¾ x 11½	875	1	29.0	2.7
Gel Seal Filters, without Extractor Clips					
3047388-005	24 x 24 x 11½	2150	1	42.0	5.3
3047388-006	24 x 12 x 11½	800	1	30.0	2.8
3047388-007	23¾ x 23¾ x 11½	2075	1	41.0	5.0
3047388-008	23¾ x 11¾ x 11½	775	1	29.0	2.7
Gel Seal Filters, with Extractor Clips					
3047388-001	24 x 24 x 11½	2150	1	42.0	5.3
3047388-002	24 x 12 x 11½	800	1	30.0	2.8
3047388-003	23¾ x 23¾ x 11½	2075	1	41.0	5.0
3047388-004	23¾ x 11¾ x 11½	775	1	29.0	2.7

Additional sizes available upon request.

High Purity**SuperFlow® 24****Product Overview**

- Specifically designed for high airflow applications requiring HEPA efficiency at an ultra-low pressure drop
- Longer life – gasket seal SuperFlow® 24 filters have 400 sq. ft. of media compared to 240 sq. ft. for traditional HEPA filters
- V-bank design for maximum effective media area and minimal resistance to airflow
- Extremely low resistance and long filter life means a much lower Total Cost of Ownership
- 24 x 24 x 11½ gasket seal configuration has 400 sq. ft. of media, and 1.0" w.g. pressure drop at 2400 CFM

**Specifications**

Efficiency	HEPA
Filter Depth	12"
Media Type	Microglass
Frame Material	Galvanneal, Anodized Aluminum, Stainless Steel
Special Size Available	No
Antimicrobial Available	No
Frame Style	Gel Seal, Gasket Seal
Separator Style	Gluebead
Max Operating Temperature	175°F (79°C)
Air Filter Certification	UL 900, ULC-S111

Product Information

Part Number	Actual Size Inches (H x W x D)	Rated Airflow SCFM @ 1.0" w.g.	Std. Pkg. Qty. Per Carton	Shipping Wt. Lbs. per Box (± 7%)
Gasket Seal (downstream), Aluminum Frame				
SF24-5-G2-GG	24 x 24 x 11½	2400	1	45
SF24-5-G2-CG	12 x 24 x 11½	1200	1	27
SF24-5-G2-YY	23¾ x 23¾ x 11½	2270	1	45
SF24-5-G2-UY	11¾ x 23¾ x 11½	1100	1	27
Fluid Seal (downstream), Aluminum Frame				
SF24-5-F2-GG	24 x 24 x 11½	2400	1	45
SF24-5-F2-CG	12 x 24 x 11½	1200	1	27
SF24-5-F2-YY	23¾ x 23¾ x 11½	2270	1	45
SF24-5-F2-UY	11¾ x 23¾ x 11½	1100	1	27

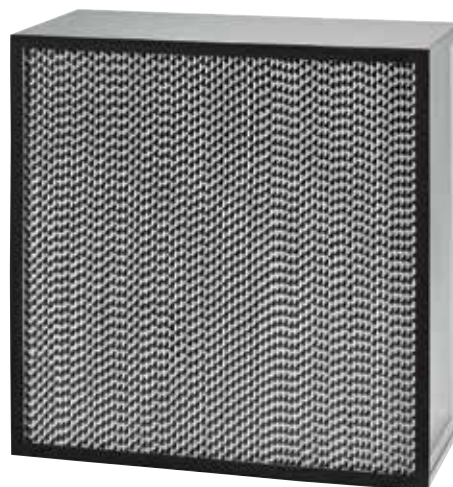
Additional sizes available upon request.

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AstroCel® I HCX

Product Overview

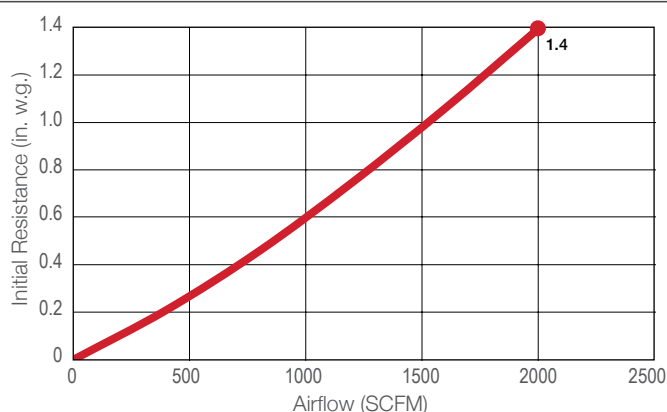
- Double the airflow capacity of a standard AstroCel® I
- Lower resistance, lower energy costs, and longer filter life if running at same speed as a standard capacity HEPA filter
- Rated for continuous operation at 500 FPM (initial resistance of 1.4" w.g.)
- Individually tested and certified to perform in the most critical applications
- Designed for environments requiring the very highest levels of contamination control
- Custom sizes and a wide variety of construction options, including various cell side materials, efficiencies, and more are available upon request – see page 167 for details



Specifications

Efficiency	HEPA, ULPA
Filter Depth	11½", 5⅞"
Media Type	Microglass
Frame Material	Wood, Metal
Separator Style	Tapered Corrugated Aluminum
Special Size Available	Yes
Antimicrobial Available	Yes
Frame Style	Gel Seal, Gasket Seal
Max Operating Temperature	175°–500°F (79°–260°C)
Air Filtration Certification	UL 900, UL C S111, UL 586

Initial Resistance vs. Airflow Capacity



Product Information

Part Number	Style Code	Actual Size Inches (H x W x D)	Rated Airflow (SCFM) 1.4" w.g.	Std. Pkg. Qty. Per Box	Ship. Wt. Lbs/Box (± 7%)	Cubic Ft.	Efficiency
304 Stainless Steel							
550-265-005	15A26H1T2A0	24 x 24 x 11½	2000	1	42.0	4.5	99.97%
550-265-004	44A26H1T2A0	24 x 12 x 11½	1000	1	23.0	2.3	99.97%
557-265-305	15A26H1T2H0	24 x 24 x 11½	2000	1	42.0	4.5	99.99%
557-265-304	44A26H1T2H0	24 x 12 x 11½	1000	1	23.0	2.3	99.99%
Mill Finish Aluminum							
550-295-005	15A29H1T2A0	24 x 24 x 11½	2000	1	42.0	4.5	99.97%
550-295-004	44A29H1T2A0	24 x 12 x 11½	1000	1	23.0	2.3	99.97%
557-295-305	15A29H1T2H0	24 x 24 x 11½	2000	1	42.0	4.5	99.99%
557-295-304	44A29H1T2H0	24 x 12 x 11½	1000	1	23.0	2.3	99.99%
Galvanized Steel							
550-205-005	15A20H1T2A0	24 x 24 x 11½	2000	1	42.0	4.5	99.97%
550-205-004	44A20H1T2A0	24 x 12 x 11½	1000	1	23.0	2.3	99.97%
557-205-305	15A20H1T2H0	24 x 24 x 11½	2000	1	42.0	4.5	99.99%
557-205-304	44A20H1T2H0	24 x 12 x 11½	1000	1	23.0	2.3	99.99%
Fire-Retardant Particle Board							
550-745-005	15A74H1T2A0	24 x 24 x 11½	2000	1	42.0	4.5	99.97%
550-745-004	44A74H1T2A0	24 x 12 x 11½	1000	1	23.0	2.3	99.97%
557-745-005	15A74H1T2H0	24 x 24 x 11½	2000	1	42.0	4.5	99.99%
557-745-004	44A74H1T2H0	24 x 12 x 11½	1000	1	23.0	2.3	99.99%

Additional sizes, efficiencies, and construction options available upon request.

AstroCel® is a registered trademark of AAF International in the U.S. and other countries.

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AstroCel® I

Product Overview

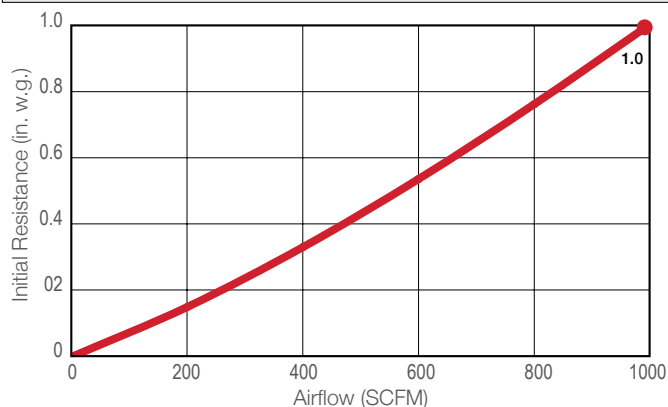
- Designed for environments requiring the very highest levels of contamination control
- Individually tested and certified to perform in the most critical applications
- Custom sizes and a wide variety of construction options, including various cell side materials, efficiencies, and more are available upon request – see page 167 for details



Specifications

Efficiency	HEPA, ULPA
Filter Depth	11½", 5⅞"
Media Type	Microglass
Frame Material	Wood, Metal
Separator Style	Corrugated Aluminum
Special Size Available	Yes
Antimicrobial Available	Yes
Frame Style	Gel Seal, Gasket Seal
Max Operating Temperature	175°–500°F (79°–260°C)
Air Filtration Certification	UL 900, ULC S111, UL 586

Initial Resistance vs. Airflow Capacity



Product Information

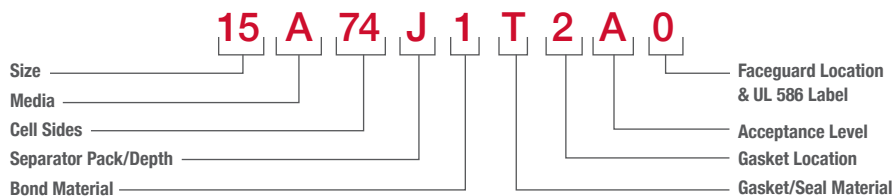
Part Number	Style Code	Actual Size Inches (H x W x D)	Rated Airflow (SCFM) 1.0" w.g.	Std. Pkg. Qty. Per Box	Ship. Wt. Lbs/Box (± 7%)	Cubic Ft.	Efficiency
Galvanized Steel							
560-205-105	15A20J1T2A5	24 x 24 x 11½	1050	1	40.0	4.5	99.97%
560-205-104	44A20J1T2A5	24 x 12 x 11½	500	1	23.0	2.3	99.97%
560-205-103	42A20J1T2A5	23¾ x 23¾ x 11½	1000	1	40.0	4.3	99.97%
560-205-106	16A20J1T2A5	24 x 30 x 11½	1350	1	45.0	5.6	99.97%
567-205-005	16A20J1T2H5	24 x 24 x 11½	1050	1	40.0	4.5	99.99%
567-205-003	42A20J1T2H5	23¾ x 23¾ x 11½	1000	1	40.0	4.3	99.99%
Mill Finish Aluminum							
560-295-105	15A29J1T2A5	24 x 24 x 11½	1050	1	40.0	4.5	99.97%
560-295-103	42A29J1T2A5	23¾ x 23¾ x 11½	1000	1	40.0	4.3	99.97%
567-295-005	15A29H1T2H5	24 x 24 x 11½	1050	1	40.0	4.5	99.99%
567-295-003	44A29H1T2H5	23¾ x 23¾ x 11½	1000	1	40.0	4.3	99.99%
Fire-Retardant Particle Board							
560-745-005	15A74J1T2A5	24 x 24 x 11½	1050	1	42.0	4.5	99.97%
560-745-004	44A74J1T2A5	24 x 12 x 11½	500	1	23.0	2.3	99.97%
567-745-005	15A74J1T2H5	24 x 24 x 11½	1050	1	42.0	4.5	99.99%

Additional sizes, efficiencies, and construction options available upon request.

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AstroCel® I Style Code



1. FACE SIZE (Inches) H x W x D

12	8 x 8 x 5 $\frac{1}{8}$
13	12 x 12 x 5 $\frac{1}{8}$
14	24 x 24 x 5 $\frac{1}{8}$
15	24 x 24 x 11 $\frac{1}{2}$
16	24 x 30 x 11 $\frac{1}{2}$
17	24 x 48 x 5 $\frac{1}{8}$
18	24 x 72 x 5 $\frac{1}{8}$
19	SPECIAL SIZE
31	12 x 12 x 11 $\frac{1}{2}$
32	12 x 24 x 11 $\frac{1}{2}$
33	15 $\frac{3}{8}$ x 19 $\frac{3}{8}$ x 5 $\frac{1}{8}$
34	15 $\frac{3}{8}$ x 19 $\frac{3}{8}$ x 11 $\frac{1}{2}$
35	20 $\frac{7}{8}$ x 20 $\frac{7}{8}$ x 5 $\frac{1}{8}$
36	20 $\frac{7}{8}$ x 20 $\frac{7}{8}$ x 11 $\frac{1}{2}$
37	20 $\frac{7}{8}$ x 44 $\frac{7}{8}$ x 5 $\frac{1}{8}$
38	23 $\frac{1}{4}$ x 23 $\frac{1}{4}$ x 5 $\frac{1}{8}$
41	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 5 $\frac{1}{8}$
42	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 11 $\frac{1}{2}$
43	24 x 12 x 5 $\frac{1}{8}$
44	24 x 12 x 11 $\frac{1}{2}$
45	24 x 30 x 5 $\frac{1}{8}$
46	24 x 36 x 5 $\frac{1}{8}$
47	24 x 60 x 5 $\frac{1}{8}$
48	24 $\frac{3}{8}$ x 19 $\frac{3}{8}$ x 11 $\frac{1}{2}$
51	30 x 30 x 5 $\frac{1}{8}$
52	30 x 36 x 5 $\frac{1}{8}$
53	30 x 48 x 5 $\frac{1}{8}$
54	30 x 60 x 5 $\frac{1}{8}$
55	30 x 72 x 5 $\frac{1}{8}$
56	36 x 24 x 5 $\frac{1}{8}$
57	36 x 30 x 5 $\frac{1}{8}$
58	36 x 36 x 5 $\frac{1}{8}$
61	36 x 60 x 5 $\frac{1}{8}$
62	36 x 72 x 5 $\frac{1}{8}$
63	23 $\frac{1}{4}$ x 47 $\frac{1}{4}$ x 5 $\frac{1}{8}$
64	30 x 24 x 5 $\frac{1}{8}$
65	36 x 48 x 5 $\frac{1}{8}$
66	12 x 24 x 5 $\frac{1}{8}$
67	23 $\frac{1}{4}$ x 41 $\frac{1}{4}$ x 5 $\frac{1}{8}$
68	23 $\frac{1}{4}$ x 29 $\frac{1}{4}$ x 5 $\frac{1}{8}$
69	23 $\frac{1}{4}$ x 35 $\frac{1}{4}$ x 5 $\frac{1}{8}$
91	11 $\frac{1}{8}$ x 23 $\frac{3}{8}$ x 11 $\frac{1}{2}$
92	23 $\frac{3}{8}$ x 11 $\frac{1}{8}$ x 11 $\frac{1}{2}$
92	23 $\frac{3}{8}$ x 11 $\frac{1}{8}$ x 11 $\frac{1}{2}$

2. Media (MICROGLASS) FIBER

Code	Type	°T Limit
A	99.97% or 99.99%	1000°F
D	BioCel 95%	1000°F
E	99.999%	1000°F
N	Radiation resistant 99.97%	1000°F
Z	SPECIAL MEDIA	—
I	Antimicrobial Treated	

3. CELL SIDES

METAL GEL SEAL

10	Galvanized Steel
16	304 Stainless Steel
19	Anodized Extruded Aluminum

METAL PAN STYLE BOX

20	Galvanized Steel
26	304 Stainless Steel
29	Mill Finish Aluminum

EXTRUDED ALUMINUM BOX STYLE

40	Alum "C" Channel 5 $\frac{1}{8}$ " Deep
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WOOD

71	Plywood	200°F
72	Fire Retardant Plywood	200°F
73	Particle Board	200°F
74	Fire Retardant Particle Board	200°F
75	Plywood, w/groove for Gel Seal	200°F
76	Fire Retardant Plywood, w/groove for Gel Seal	200°F
99	SPECIAL CELL SIDES	

4. SEPARATORS

H	High Capacity Aluminum	600°F
J	Aluminum	600°F
V	Vinyl Coated Aluminum	250°F
W	High Capacity Vinyl Coated Aluminum	250°F
Z	SPECIAL SEPARATORS	

5. BOND MATERIAL

1	Fire Retardant Polyurethane	200°F
2	Polyurethane (40 Series only)	200°F
4	White Silicone	400°F
5	Red Silicone	500°F
9	SPECIAL BOND	

6. GASKET/SEAL MATERIAL

Code	Type	°T Limit
F	Fluid Seal trough @ $\frac{3}{4}$ " deep, includes Silicone Sealant	175°F
L	Aluminum Skirt @ .063" thick	175°F
P	None	
R	Dovetail Neoprene	175°F
T	Neoprene Sponge, RE-43-E1	175°F
	Grade ($\frac{1}{4}$ " x $\frac{3}{4}$ " w/butt joints)	175°F
U	Poron ($\frac{1}{4}$ " x $\frac{3}{4}$ " w/dovetail joints)	175°F
V	Poron ($\frac{1}{4}$ " x $\frac{3}{4}$ " w/butt joints)	175°F
Y	Silicone ($\frac{1}{4}$ " x $\frac{3}{4}$ " w/butt joints)	500°F
Z	SPECIAL GASKET MATERIAL	

7. GASKET LOCATION

0	No Gaskets
1	Gasket – Air Entering Side
2	Gasket – Air Leaving Side (or skirt one face, or gel sealant installed in trough)
3	Gasket Both Faces
4	SPECIAL REQUIREMENTS
5	Extractor Clips (Gel sealant installed in trough)

8. ACCEPTANCE LEVEL

A	99.97% on PAO (A)
B	99.97% PAO – Shroud tested at 100% and 20% flow – no media patching is permitted (military) (A,N)
E	SPECIAL INSPECTION REQUIRED
F	BioCel only – 95% on 0.3 mm (D)
G	99.99% on 0.3 mm PSL (A)
H	Scan Tested (99.99%) (A)
J	99.999% on 0.3 mm PSL (E)
K	Scan Tested (99.999%) (E)
M	Scan Tested @ 99.9995% on .10 to .20 mm ambient particles + scan tested (E)
R	99.99% PAO (A)
S	Cold PAO hand scan (99.99%) (A)

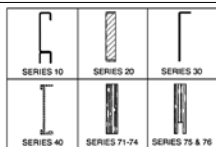
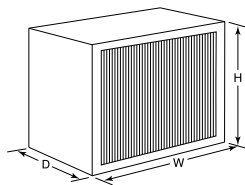
NOTE: Letter in parentheses above indicates the media type identified in Section 2.

9. FACEGUARD LOCATION & UL 586 LABEL

0	No Faceguard, no UL Label
1	Faceguard upstream side only
2	Faceguard downstream side only
3	Faceguard both sides, no UL Label
4	SPECIAL (e.g. faceguard must be located with respect to gasket)
5	No faceguard, UL Label
8	Faceguards both sides, UL Label

NOTE: Standard faceguards are flattened expanded galvanized metal for Std-cap filters and 4x4 mesh galv. hardware cloth for Hi-cap filters.

General Notes: The purpose of this style code is for identification of components used in standard AstroCel® I HEPA filters. Because of inherent compatibility limitations, the style code should not be used to arbitrarily "build" a filter with random components. First dimension of filter is height, or direction of separators.

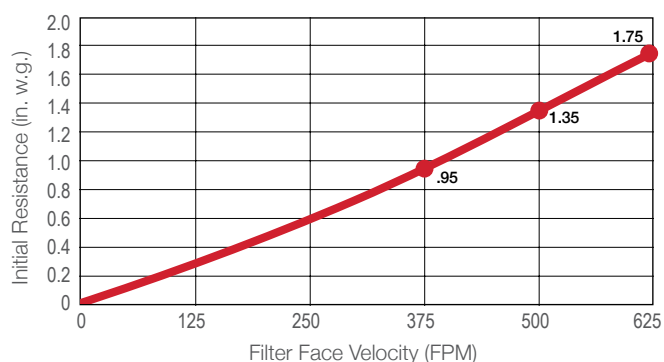


High Purity**Alpha™ 2000****Product Overview**

- Double the airflow capacity of a standard Alpha Cell®
- Lower resistance, lower energy costs, and longer filter life if running at same speed as a standard capacity HEPA filter
- Pureform® separatorless media pack for more usable media area and longer service life
- Pureform® media withstands harsh environments that could damage standard aluminum separators
- 40% more media area than the standard capacity Alpha Cell® filter
- Rated for continuous operation at 500 FPM (initial resistance of 1.35" w.g.)
- Custom sizes and a wide variety of construction options, including various cell side materials, efficiencies, and more are available upon request – see page 170 for details

**Specifications**

Efficiency	HEPA, ULPA
Filter Depth	11½"
Media Type	Microglass
Frame Material	Wood, Metal
Special Size Available	Yes
Construction Style	Box, Double-Turn Flange, Single Flange
Antimicrobial Available	No
Frame Style	Gel Seal, Gasket Seal
Separator Style	Self-Supporting
Max Operating Temperature	175°F (79°C)
Air Filtration Certification	UL 900, ULC S111, UL 586

Initial Resistance vs. Filter Face Velocity**Product Information**

Model Number	Actual Size Inches (H x W x D)	Rated Airflow SCFM @ 1.4" w.g.	Std. Pkg. Qty.	Shipping Wt. Lbs. per Box (± 7%)	Cubic Ft.	Efficiency
304 Stainless Steel, Double-Turn Flange						
0-007-W-03-03-IU-12-00-GG-F	24 x 24 x 11½	2000	1	38.0	4.5	99.97%
0-007-W-03-03-IU-12-00-GC-F	24 x 12 x 11½	1000	1	26.0	2.3	99.97%
0-007-W-03-03-SU-12-00-GG-F	24 x 24 x 11½	2000	1	38.0	4.5	99.99%
0-007-W-03-03-SU-12-00-GC-F	24 x 12 x 11½	1000	1	26.0	2.3	99.99%
Galvanneal, Box Style						
0-007-W-08-00-IU-12-00-GG-F	24 x 24 x 11½	2000	1	38.0	4.5	99.97%
0-007-W-08-00-IU-12-00-GC-F	24 x 12 x 11½	1000	1	26.0	2.3	99.97%
0-007-W-08-00-SU-12-00-GG-F	24 x 24 x 11½	2000	1	38.0	4.5	99.99%
0-007-W-08-00-SU-12-00-GC-F	24 x 12 x 11½	1000	1	26.0	2.3	99.99%
Fire-Retardant Particle Board, Box Style						
0-007-W-07-00-IU-12-00-GG-F	24 x 24 x 11½	2000	1	38.0	4.5	99.97%
0-007-W-07-00-IU-12-00-GC-F	24 x 12 x 11½	1000	1	26.0	2.3	99.97%

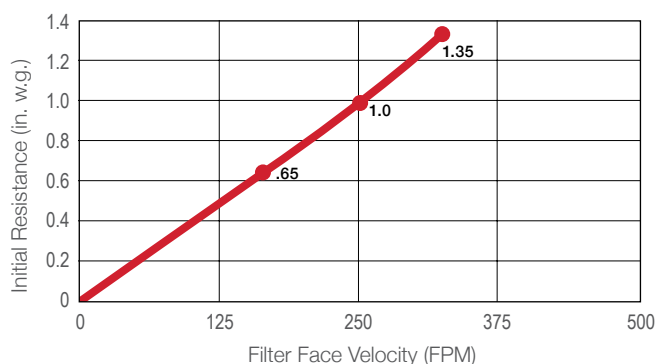
Additional sizes, efficiencies, and construction options available upon request.

High Purity**Alpha Cell®****Product Overview**

- Designed for environments requiring the very highest levels of contamination control
- Individually tested and certified to perform in the most critical applications
- Pureform® separatorless style media pack
- Rated for continuous operation at 250 FPM (initial resistance of 1.0" w.g.)
- Custom sizes and a wide variety of construction options, including various cell side materials, efficiencies, and more are available upon request – see page 170 for details

**Specifications**

Efficiency	HEPA, ULPA
Filter Depth	11½", 5⅝"
Media Type	Microglass
Frame Material	Wood, Metal
Special Size Available	Yes
Construction Style	Box, Double-Turn Flange, Single Flange
Antimicrobial Available	No
Frame Style	Gel Seal, Gasket Seal
Separator Style	Self-Supporting
Max Operating Temperature	175°F (79°C)
Air Filtration Certification	UL 900, ULC S111, UL 586

Initial Resistance vs. Filter Face Velocity**Product Information**

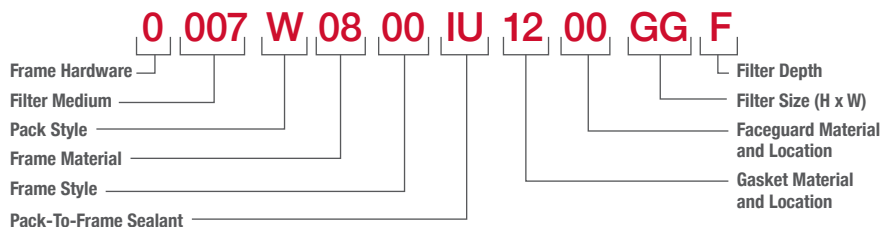
Model Number	Actual Size Inches (H x W x D)	Rated Airflow SCFM @ 1.0" w.g.	Std. Pkg. Qty.	Shipping Wt. Lbs. per Box (± 7%)	Cubic Ft.	Efficiency
Galvanneal, Box Style						
0-007-F-08-00-IU-12-00-GG-F	24 x 24 x 11½	1000	1	38.0	4.5	99.97%
0-007-F-08-00-IU-12-00-GC-F	24 x 12 x 11½	500	1	26.0	2.3	99.97%
0-007-F-08-00-IU-12-00-YY-F	23⅝ x 23⅝ x 11½	1000	1	38.0	4.5	99.97%
0-007-F-08-00-IU-12-00-YU-F	23⅝ x 11⅝ x 11½	500	1	26.0	2.3	99.97%
0-007-F-08-00-SU-12-00-GG-F	24 x 24 x 11½	1000	1	38.0	4.5	99.99%
0-007-F-08-00-SU-12-00-GC-F	24 x 12 x 11½	500	1	26.0	2.3	99.99%
0-007-F-08-00-SU-12-00-YY-F	23⅝ x 23⅝ x 11½	1000	1	38.0	4.5	99.99%
0-007-F-08-00-SU-12-00-YU-F	23⅝ x 11⅝ x 11½	500	1	26.0	2.3	99.99%
304 Stainless Steel, Double-Turn Flange						
0-007-F-03-03-IU-12-00-GG-F	24 x 24 x 11½	1000	1	38.0	4.5	99.97%
0-007-F-03-03-IU-12-00-GC-F	24 x 12 x 11½	500	1	26.0	2.3	99.97%
0-007-F-03-03-SU-12-00-GG-F	24 x 24 x 11½	1000	1	38.0	4.5	99.99%
0-007-F-03-03-SU-12-00-GC-F	24 x 12 x 11½	500	1	26.0	2.3	99.99%
304 Stainless Steel, Fluid Seal						
T-007-F-03-05-IU-52-00-GG-F	24 x 24 x 11½	1000	1	38.0	4.5	99.97%
T-007-F-03-05-IU-52-00-GC-F	24 x 12 x 11½	500	1	26.0	2.3	99.97%
Fire-Retardant Particle Board, Box Style						
0-007-F-07-00-IU-12-00-GG-F	24 x 24 x 11½	1000	1	38.0	4.5	99.97%
0-007-F-07-00-IU-12-00-GC-F	24 x 12 x 11½	500	1	26.0	2.3	99.97%

Additional sizes, efficiencies, and construction options available upon request.

Alpha Cell® and Pureform® are registered trademarks of Flanders Corporation in the U.S.

High Purity

Alpha®/Alpha™ 2000 Style Code



1. FRAME HARDWARE

Code	Type
0	None
A	Drilled Flange for PureFrame Clips
E	Extruded Alum. CB w/1 Port
H	Bearing Plates on Filter Frame for A-2, A-4 and B-1 Frames
P	2" Extended Frame with Prefilter Roughing Pad (Dual-Pac)
S	Bearing Plates on Filter Frame for C-Series Housings
T	Extractor Clips (on filters for C-4 and Bag-In/Bag-Out Housings)
U	U-Shaped Handle
X	SPECIAL

2. FILTER MEDIUM

007	99.97% W/R Glass (Standard)
008	99.999% Efficient on 0.3µm Particles, ULPA Grade with W/R Glass
00J	95% Efficient on 0.3µm Particles, All W/R Glass DOP Test
A**	Media Treated with an Antimicrobial Agent

3. PACK STYLE

Code	Type
6	6" DimplePleat® Element
D	4" Pureform® Element
F	8" Pureform® Element
W	11" Pureform® Element

4. FRAME MATERIAL

01	¾" Thick Exterior Plywood Non-F.R.
02	16-Gauge Type 409 Stainless Steel Riveted
03	16-Gauge Type 304 Stainless Steel Riveted
04	¾" Thick F.R. Exterior Plywood
05	.063" Thick Fabricated Aluminum
07	¾" Thick Particleboard
08	16-Gauge Galvanneal
11	¾" Thick Non-F.R. Particleboard
12	14-Gauge Type 304L Stainless Steel
13	14-Gauge Type 316 Stainless Steel
14	P.V.C. (Chlorine Resistant)
15	14-Gauge Type 316L Stainless Steel
42	14-Gauge Type 409 Stainless Steel, Bolted
43	14-Gauge Type 304 Stainless Steel, Bolted

5. FRAME STYLE

Code	Type
00	Box Type Design, Wood Frame, Stapled Metal Frame, No Fasteners (F.R. Urethane)
01	Single Header, Flat Flange
02	Double Header, Flat Flange
03	Two Double-Turn Flanges
05	¾"-Deep Channel (or Groove) Filled with Fluid Sealant
06	Single Header Filled with Fluid Sealant (Back of Header)
08	One Double-Turn Flange
N1	(1) Nipple
N2	(2) Nipples

6. PACK-TO-FRAME SEALANT

INDUSTRIAL GRADE FILTERS

IE	High Temp Silicone 99.97%
IG	Ceramic and Glass Mat. 99.97%
IU	F.R. Urethane 99.97%

LAMINAR FLOW GRADE FILTERS

SE	High Temp Silicone 99.99%
SU	F.R. Urethane 99.99%

PHARMACEUTICAL GRADE FILTERS

PG	F.R. Urethane PAO Test 99.99% Auto-scan, No Patches
PA	F.R. Urethane PAO Test 99.99%
PE	High Temp, No Patch
PT	High Temp Thermal PAO Test

**If using special media designation, replace the first "0" with the letter indicated.

Continued on next page.

High Purity

Alpha®/Alpha™ 2000 Style Code

7. GASKET/SEAL MATERIAL

Code	Type
0	None
1	Neoprene
3	Cohrlastic Sponge
4	Woven Glass
5	BluJel®
6	Urethane Jel
7	Glass Packing
8	Polyurethane Ether Foam
B	Black Poly – B
F	FDA-Approved White Silicone
P	Poron
R	Braided Rope
W	White Poly – B
V	Viton
X	Special

8. GASKET LOCATION

0	None
1	Upstream
2	Downstream
3	Both
4	Back of Header
X	SPECIAL

9. FACEGUARD MATERIAL

0	None
1	Galvanized (4 x 4 Mesh)
2	Stainless Steel (4 x 4 Mesh)
3	PVC (24" x 24") (4 x 4 Mesh)
4	Scrim (6 x 6 Mesh)
A	Anodized Alum. Perf. 40% Open
B	Alum. Perf. (White Paint)
C	CRS Perf. (White Paint) 40% Open
D	Expanded Alum. (White Paint)
E	Expanded S/S
F	Expanded CRS (White Paint)
G	Expanded Aluminized Steel
S	Stainless Steel Perf. 40% Open
X	SPECIAL

10. FACEGUARD LOCATION

0	None
1	Upstream
2	Downstream
3	Both

STANDARD SIZE DESIGNATIONS*

Code	Type	Code	Type
B	8"	R	60"
C	12"	S	72"
E	18"	U	11 $\frac{3}{8}$ "
G	24"	V	15 $\frac{3}{8}$ "
N	30"	W	17 $\frac{3}{8}$ "
P	36"	X	29 $\frac{3}{8}$ "
H	42"	Y	23 $\frac{3}{8}$ "
Q	48"	Z	24 $\frac{3}{8}$ "

*Height x Width x Depth.

ODD SIZE DESIGNATIONS**

A	0"	J	$\frac{1}{2}$ "
B	$\frac{1}{16}$ "	K	$\frac{9}{16}$ "
C	$\frac{1}{8}$ "	L	$\frac{5}{8}$ "
D	$\frac{3}{16}$ "	M	$1\frac{1}{16}$ "
E	$\frac{1}{4}$ "	N	$\frac{3}{4}$ "
F	$\frac{5}{16}$ "	P	$1\frac{3}{16}$ "
G	$\frac{3}{8}$ "	Q	$\frac{7}{8}$ "
H	$\frac{7}{16}$ "	R	$1\frac{5}{16}$ "

**Odd size designation is an alphanumeric description. The first two numbers and letter specify the height and the second two numbers and letter specify the width. Then add the final character as per the below to specify the depth.

FILTER FRAME DEPTH

A	$3\frac{1}{16}$	2	$2\frac{7}{8}$
D	$5\frac{7}{8}$	3	$3\frac{7}{8}$
D2	$7\frac{7}{8}$	4	$4\frac{7}{8}$
F	$11\frac{1}{2}$	6	$6\frac{7}{8}$
F2	$13\frac{1}{2}$	8	$8\frac{7}{8}$
T	$6\frac{3}{8}$		

FILTER SIZE CODE

EXAMPLES

FILTER SIZE CODE EXAMPLES	UL CODE**
A (Round Filter Size)	US – UL 586***
M-GQ	U9 – UL 900***
GG-F	
GG-F2	
E1386*	
Z90127*	
YY-D	
17E21A	

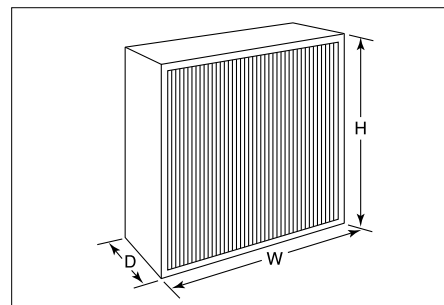
*Indicates special extrusion/engineering drawing.

**Optional

***See Engineering Form numbers ENGR-018 & ENGR-021 to determine if a filter meets UL 900 or UL 586.

Notes:

1. All combinations are not available as standards – check catalog for standards. Because of inherent compatibility limitations, the style code should not be used to arbitrarily "build" a filter.
2. Round HEPAs and nuclear-grade filters are also available. Contact aafforemarket@aafintl.com for more information.

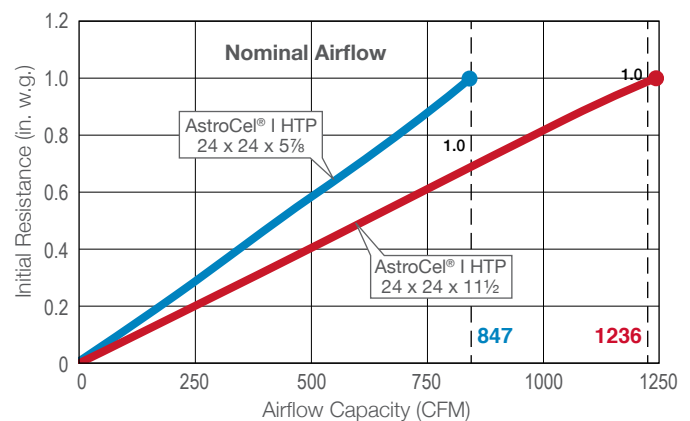


High Purity**AstroCel® I HTP****Product Overview**

- Designed to withstand the intense thermal stress of repeated heating and cooling
- Elastic fiberglass sealant eliminates cracking, shedding, and leaking seen in competitive filters with ceramic sealant
- Stainless steel separators reduce particle shedding and add strength, as compared to filters made with aluminum separators
- Maximum continuous operating temperature of 662°F (350°C); Up to 752°F (400°C) for up to one hour
- Robust design leads to better durability and longer life
- Excellent choice for pharmaceutical dehydrogenation operations, LCD/TFT manufacturing, or other high temperature applications

**Specifications**

Efficiency	HEPA
Filter Depth	11½", 5⅞"
Media Type	Microglass
Frame Material	Stainless Steel
Separator Style	Stainless Steel
Special Size Available	Yes
Antimicrobial Available	No
Construction Style	Box
Max Operating Temperature	752°F (400°C)

Initial Resistance vs. Airflow Capacity

Tests performed at ambient temperatures (68°F).

Product Information

Actual Size Inches (W x H x D)	Rated Airflow (SCFM) 1.0" w.g.	Std. Pkg. Qty.	Shipping Wt. Lbs. per Box (± 7%)	Cubic Ft.
24 x 24 x 5⅞"	847	1	29	2.4
24 x 24 x 11½"	1236	1	48	4.5

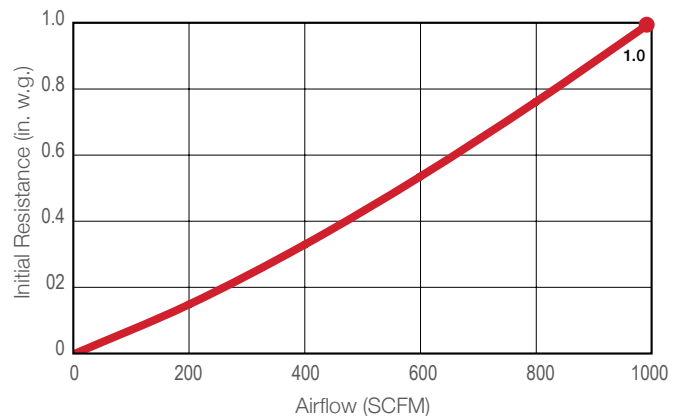
Additional sizes and part number information available upon request.

High Purity**AstroCel® I HT (750°)****Product Overview**

- Designed for environments requiring the very highest levels of contamination control at high temperatures
- Special bond material allows for continuous operation at temperatures as high as 750°F (399°C)
- Stainless steel frame with ceramic gasket
- Individually tested and certified to perform in the most critical applications

**Specifications**

Efficiency	HEPA
Filter Depth	11½", 5⅞"
Media Type	Microglass
Frame Material	Stainless Steel
Separator Style	Aluminum
Special Size Available	Yes
Antimicrobial Available	No
Construction Style	Box
Max Operating Temperature	750°F (399°C)
Air Filtration Certification	UL 900

Initial Resistance vs. Airflow Capacity**Product Information**

Part Number	Reference Drawing	Actual Size Inches (H x W x D)	Rated Airflow (SCFM) 1.0" w.g.	Std. Pkg. Qty. Per Box	Ship. Wt. Lbs/Box (± 7%)	Cubic Ft.	Efficiency
GALVANIZED STEEL – ONE GASKET Rated Filter Face Velocity: 260 FPM							
560-614-001	1602614-1	24 x 24 x 11½	1,050	1	40.0	5.3	99.97%

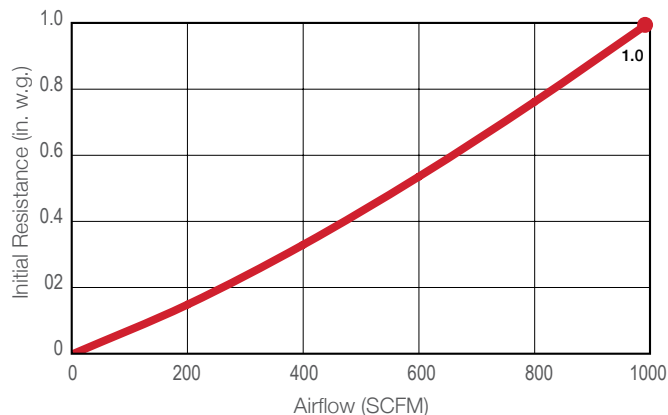
*The HT-750 AstroCel I is constructed with box type stainless steel cell sides.
Additional sizes available upon request.

High Purity**AstroCel® I HT (400°, 500°)****Product Overview**

- Designed for environments requiring the very highest levels of contamination control at temperatures up to 500°F (260°C)
- Individually tested and certified to perform in the most critical applications
- High capacity option available for airflows up to 500 FPM
- Custom sizes and a wide variety of construction options, including various cell side materials, efficiencies, and more are all available upon request – see page 167 for details

**Specifications**

Efficiency	HEPA
Filter Depth	11½", 5⅞"
Media Type	Microglass
Frame Material	Aluminum, Stainless Steel
Separator Style	Aluminum
Special Size Available	Yes
Antimicrobial Available	No
Construction Style	Box
Max Operating Temperature	500°F (260°C)
Air Filtration Certification	UL 900, UL 586

Initial Resistance vs. Airflow Capacity**Product Information**

Part Number	Style Code	Actual Size Inches (H x W x D)	Rated Airflow (SCFM) 1.0" w.g.	Std. Pkg. Qty. Per Box	Ship. Wt. Lbs/Box (± 7%)	Cubic Ft.	Max. Temp Rating	Efficiency
Stainless Steel								
560-264-005	15A26J4Y2A0	24 x 24 x 11½	1,050	1	40.0	5.3	HT-400	99.97%
560-266-005	15A26J5Y2A0	24 x 24 x 11½	1,050	1	40.0	5.3	HT-500	99.97%
567-264-005	15A26J4Y2H0	24 x 24 x 11½	1,050	1	40.0	5.3	HT-400	99.99%
567-266-005	15A26J5Y2H0	24 x 24 x 11½	1,050	1	40.0	5.3	HT-500	99.99%
Aluminum								
560-294-005	15A29J4Y2A0	24 x 24 x 11½	1,050	1	40.0	5.3	HT-400	99.97%
560-296-005	15A29J5Y2A0	24 x 24 x 11½	1,050	1	40.0	5.3	HT-500	99.97%
567-294-005	15A29J4Y2H0	24 x 24 x 11½	1,050	1	40.0	5.3	HT-400	99.99%
567-296-005	15A29J5Y2H0	24 x 24 x 11½	1,050	1	40.0	5.3	HT-500	99.99%

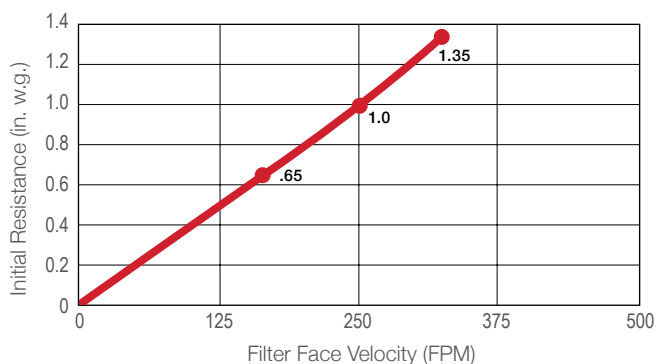
Additional sizes available upon request.

High Purity**Alpha™ HT****Product Overview**

- Designed for environments requiring the very highest levels of contamination control at temperatures up to 500°F (260°C)
- Can be used at temperatures up to 1000° in exhaust air applications
- Gasket or fluid seal available; Fluid seal has a max. temp. of 390°F (199°C)
- Individually tested and certified to perform in the most critical applications
- Available with Pureform® separatorless media pack for more usable media area and longer service life
- Pureform® media withstands harsh environments that could damage standard aluminum separators
- High capacity option available for airflows up to 500 FPM

**Specifications**

Efficiency	HEPA
Filter Depth	11½", 5⅞"
Media Type	Microglass
Frame Material	Aluminum, Stainless Steel
Special Size Available	Yes
Antimicrobial Available	No
Frame Style	Gel Seal, Gasket Seal
Construction Style	Box, Double-Turn Flange
Separator Style	Self-Supporting or Aluminum
Max Operating Temperature	500°F (260°C) or 1000°F (538°C) for exhaust only
Air Filtration Certification	UL 900, UL 586

Initial Resistance vs. Filter Face Velocity**Product Information**

Part Number	Actual Size Inches (H x W x D)	Rated Airflow SCFM @ 1.0" w.g.	Media Pack Style	Max. Temp Rating	Std. Pkg. Qty. Per Box	Shipping Wt. Lbs. (± 7%)	Cubic Ft.	Efficiency
304 Stainless Steel Frame; Double-Turn Flange Style								
0-007-F-02-03-IE-32-00-GG-F	24 x 24 x 11½	1000	Pureform®	500°F	1	38	4.5	99.97%
0-007-F-02-03-IE-32-00-GC-F	24 x 12 x 11½	450	Pureform®	500°F	1	26	2.3	99.97%
0-007-F-02-03-IE-32-00-YY-F	23⅜ x 23⅜ x 11½	950	Pureform®	500°F	1	37	4.5	99.97%
0-007-F-02-03-IE-32-00-YU-F	23⅜ x 11⅜ x 11½	425	Pureform®	500°F	1	25	2.3	99.97%
0-011-H-03-03-SE-32-00-GG-F	24 x 24 x 11½	2000	Separator	500°F	1	38	4.5	99.99%
0-011-H-03-03-SE-32-00-YY-F	23⅜ x 23⅜ x 11½	2000	Separator	500°F	1	37	4.5	99.99%
409 Stainless Steel Frame; Double-Turn Flange Style								
0-007-W-02-03-SE-32-23-GG-F	24 x 24 x 11½	2000	Pureform®	500°F	1	38	4.5	99.99%
Aluminum Frame; Fluid Seal Frame Style; Extractor Clips								
T-007-W-05-05-IE-52-00-GG-F	24 x 24 x 11½	1000	Pureform®	500°F	1	38	4.5	99.97%
T-007-W-05-05-IE-52-00-YY-F	23⅜ x 23⅜ x 11½	950	Pureform®	500°F	1	37	4.5	99.97%

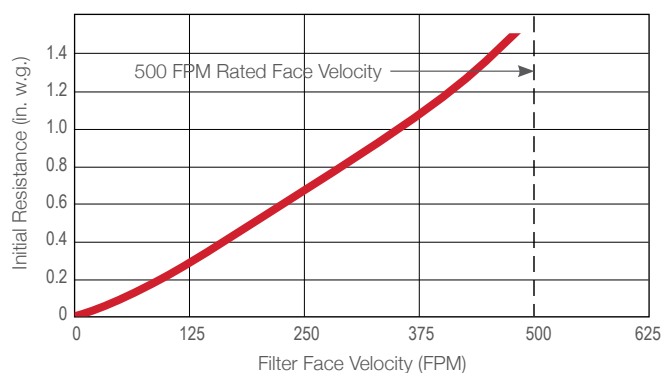
Additional sizes available upon request.

High Purity**AstroPak®****Product Overview**

- Designed for use in negative air machines and for asbestos abatement
- Rated for airflow up to 2000 CFM (Model 2000)
- Uses hot melt separators rather than aluminum, eliminating any possibility of metal in the airstream
- Individually tested to ensure high performance

**Specifications**

Efficiency	HEPA
Filter Depth	12"
Media Type	Fiberglass
Frame Material	Particle Board
Separator Style	Hot Melt
Special Size Available	No
Antimicrobial Available	No
Construction Style	Box
Max Operating Temperature	175°F (79°C)

Initial Resistance vs. Filter Face Velocity

Performance data is based on Model 2000 AstroPak®

Product Information

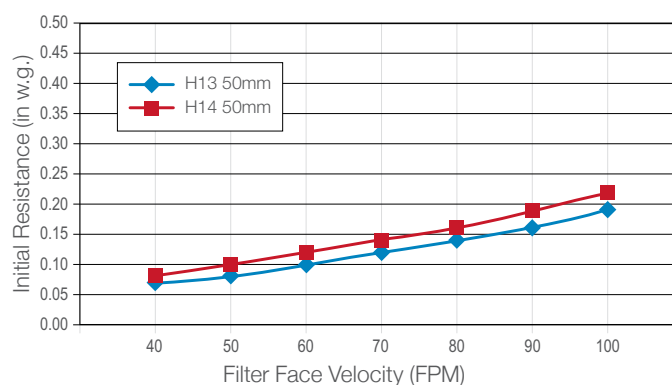
Part Number	Actual Size Inches (H x W x D)	Rated Airflow (SCFM)	Std. Pkg. Qty.	Shipping Wt. Lbs. per Box (± 7%)	Cubic Ft.
Model 1000 (Standard Capacity), Gasket on Air Leaving Side					
3024635-001	24 x 24 x 11½	1000 @ 1.1" w.g.	1	30.0	4.5
Model 1000 (Standard Capacity), Gasket on Air Entering Side					
3024635-002	24 x 24 x 11½	1000 @ 1.1" w.g.	1	30.0	4.5
Model 2000 (High Capacity), Gasket on Air Leaving Side					
3024619-001	24 x 24 x 11½	2000 @ 1.5" w.g.	1	35.0	4.5
Model 2000 (High Capacity), Gasket on Air Entering Side					
3024619-002	24 x 24 x 11½	2000 @ 1.5" w.g.	1	35.0	4.5

High Purity**MEGAcel® II eFRM****Product Overview**

- Pharmaceutical grade eFRM media is proven to be more durable than microglass, delivering superior performance
- Industry's first and only membrane media to be Polyalphaolefin (PAO) compatible, with a higher PAO holding capacity compared to microglass media
- Superior durability and tensile strength, 84 times the pleated strength of microglass
- Chemical-resistant capabilities reduce media degradation in highly corrosive environments
- Exceptional water resistance compared to ultrafine microglass

**Specifications**

Efficiency	HEPA
Filter Depth	50 mm
Frame Material	Aluminum
Separator Style	Hot Melt
Max Operating Temperature	150°F (66°C)
Special Size Available	Yes
Construction Style	Gel, Gasket, or Knife-Edge Seal
Antimicrobial Available	No
Media Type	eFRM
Air Filtration Certification	UL 900, ULC-S111

Initial Resistance vs. Filter Face Velocity

Filter Face Velocity (FPM)	40	50	60	70	80	90	100
H13 50mm (in w.g.)	0.07	0.08	0.10	0.12	0.14	0.16	0.19
H14 50mm (in w.g.)	0.08	0.10	0.12	0.14	0.16	0.19	0.22

Product Information

Style Code	Actual Size Inches (H x W x D)	Rated Airflow (SCFM) @ 0.25" w.g.	Std. Pkg. Qty. Per Carton	Shipping Wt. Lbs. per Box (± 7%)	Cubic Ft.
Replacement Panels for AAF Flanders and Competitive Modules					
E21F19HB85K2F1SA0A	21 $\frac{1}{8}$ x 19 $\frac{7}{8}$ x 2 $\frac{7}{8}$	235	1	15.0	1.1
E21F43HB85K2F1SA0A	21 $\frac{1}{8}$ x 43 $\frac{7}{8}$ x 2 $\frac{7}{8}$	550	1	28.0	2.3
E21G20AB85K2F1SA0A	21 $\frac{3}{4}$ x 20 x 2 $\frac{7}{8}$	235	1	15.0	1.1
E21G44AB85K2F1SA0A	21 $\frac{3}{4}$ x 44 x 2 $\frac{7}{8}$	550	1	28.0	2.3

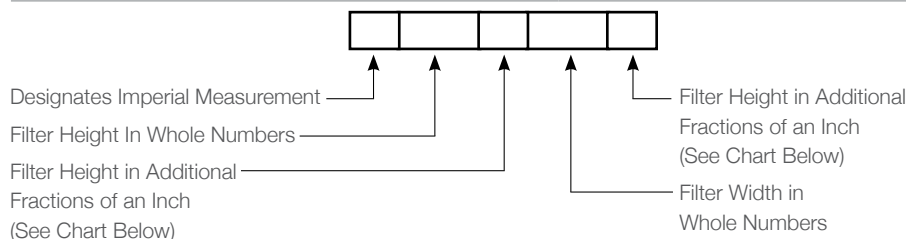
Additional sizes, media pack depths, and gasket configurations available upon request.

High Purity

MEGAcel® II eFRM Style Code

(1)	(2)	(3)	(4)	(5)	(6a)	(6b)	(7)	(8)	(9)	(9)
Size	Medium	Cell Construction & Configuration	Medium Pack Depth	Bond/Patching	Gasket Material	Gasket Location	Acceptance Level	Faceguard Material	Faceguard Location	Center Divider

(1) SIZE: [All Dimensions are in Inches, for filter Depth see (3) below]



Fractional Notation for Imperial Sizes:

A = 0 B = 1/8 C = 1/4 D = 3/8 E = 1/2 F = 5/8 G = 3/4 H = 7/8
 J = 1/16 K = 3/16 L = 5/16 M = 7/16 N = 9/16 P = 11/16 Q = 13/16 R = 15/16

Examples:

E 23 D 35 H

23 3/8 High x 35 7/8 Wide

E 12 A 24 E

12 High x 24 1/2 Wide

(2) MEDIUM: (Waterproof, Fire-Retardant Glass Fiber)

B – 99.99% HEPA eFRM PAO COMPATIBLE

Z – Special

(3) CELL CONSTRUCTION & CONFIGURATION: (Extruded Anodized Aluminum Unless Otherwise Noted)**40 Series**

40 – 'C' Channel (5 7/8" Overall Depth)

80 Series

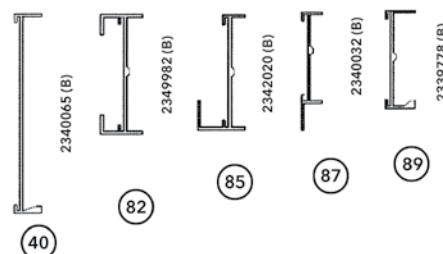
82 – 'C' Channel (3 1/16" Overall Depth)

85 – 'C' Channel (2 7/8" Overall Depth)(Fluid Seal)

87 – 3/4" Knife-Edge (3 1/4" Overall Depth)

89 – 'C' Channel (2 3/4" Overall Depth)

99 – Special Configuration

**(4) PACK DEPTH: (Depth/Separators)**

K – 50mm Hot Melt/Polyolefin

X – Special

(5) BOND/PATCHING:

2 – Polyurethane Bond, Patching Per Iest RP-CC 001 with Silicone Caulk

4 – Polyurethane Bond, Patching Per Iest RP-CC 001 with Non-Silicone Material

6 – Polyurethane Bond, No Patching Allowed

9 – Special Bond And/Or Special Patching

(6a) GASKET MATERIAL: Style - The Standard Style will be 1/4" Thickness, 3/4" Wide w/Butt Joints (Unless Otherwise Noted)

B-Polyurethane Gel Seal, F-Silicone Gel Seal, P-Non, R-Neoprene (Dovetail), T-Neoprene, U-Poron (Dovetail), V-Poron, Y-Silicone, Z-Special

(6b) GASKET LOCATION:

0 – No Gasket

1 – Air Entering Side

2 – Air Leaving Side

3 – Both Faces

4 – Special

(7) ACCEPTANCE LEVEL:

H – 99.99% Scanned Tested

S – 99.99% Cold PAO Scan

Z – Special

(8) FACEGUARD MATERIAL:

A – None

B – White Painted Expanded Steel

C – Expanded 304 Stainless Steel

D – Perforated 304 Stainless Steel

E – Perforated Anodized Aluminum

Z – Special

(9) FACEGUARD LOCATION:

0 – No Gasket

1 – Air Entering Side

2 – Air Leaving Side

3 – Both Faces

4 – Special

(10) CENTER DIVIDER:

A – No Center Divider or Test Port

B – Center Divider

C – Center Divider and 1 Test Port

D – Center Divider and 2 Test Ports

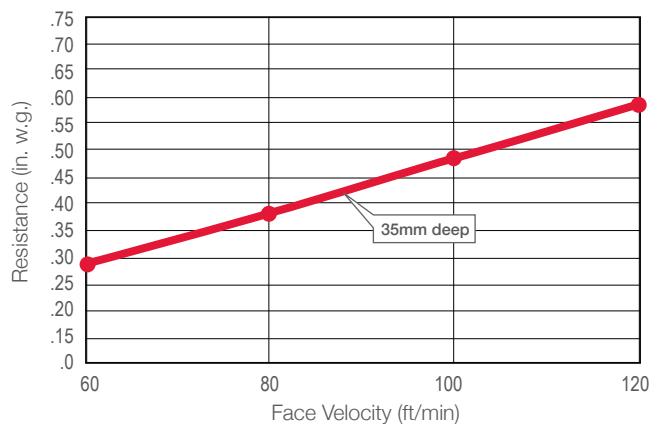
Z – Special

High Purity**MEGAcel® II ePTFE****Product Overview**

- AAF Flanders ePTFE Filtration Technology media combines ultra-high efficiency with negligible pressure drop
- Lower energy consumption adds up to savings of more than 30% versus fiberglass ULPA panel filters
- High resistance to corrosive environments
- Negligible offgassing properties (boron, sodium, potassium, silicon)
- High tensile strength media, more resistant to rough handling in transportation and installation
- Meets I300I specifications and is UL 900 and ULC S111 Classified
- Lower profile, reducing space and weight

**Specifications**

Efficiency	ULPA
Media Type	ePTFE
Frame Material	Aluminum
Separator Style	Hot Melt
Special Size Available	Yes
Antimicrobial Available	No
Single Header	No
Max Operating Temperature	150°F (66°C)
Filter Depth	Various
Air Filtration Certification	UL 900, ULC S111

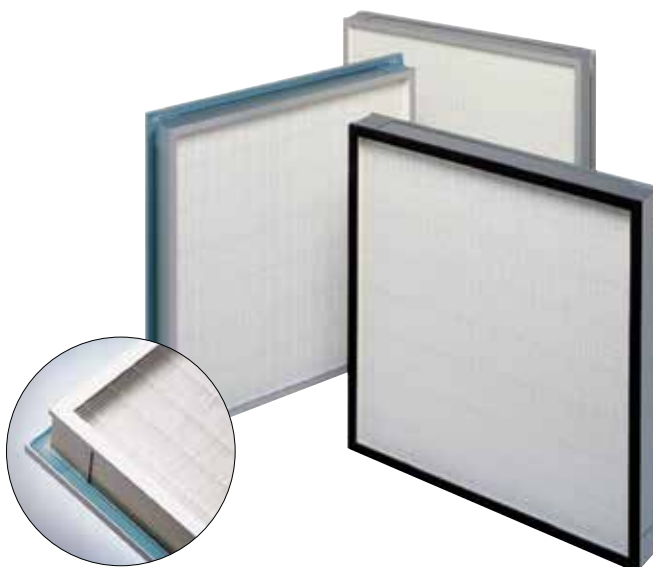
Resistance vs Velocity Typical Performance**Product Information**

Actual Size Inches (H x W x D)	Rated Airflow (SCFM) 1.0" w.g.	Std. Pkg. Qty.	Shipping Wt. Lbs. per Box (± 7%)	Cubic Ft.
24 x 24 x 2¾	350	1	21	1.4
24 x 48 x 2¾	720	1	28	2.7

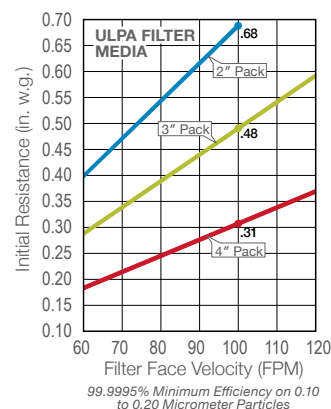
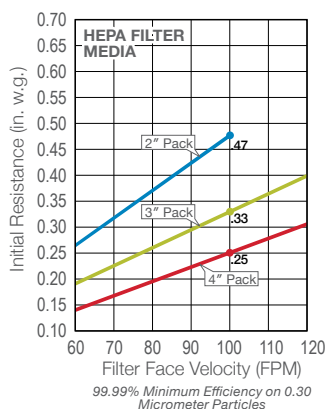
Additional sizes and part number information available upon request.

High Purity**AstroCel® II (Gel Seal)****Product Overview**

- Highest efficiency and lowest possible pressure drop
- Gel seal design allows for a long lasting airtight seal in ceiling grids or hoods
- Eight (8) pleats per inch allow for the greatest amount of media in the shallowest depth
- Pleat straightness to $\pm 1/4"$ – unmatched by competitors
- Designed for environments requiring the very highest levels of contamination control
- Each filter undergoes state-of-the-art testing, tailored to meet your performance requirements
- Media is water-resistant and fire-retardant
- Custom sizes and a wide variety of construction options available upon request – see page 183 for details

**Specifications**

Efficiency	HEPA, ULPA
Media Type	Microglass
Frame Material	Aluminum
Separator Style	Media Ribbon
Special Size Available	Yes
Antimicrobial Available	No
Frame Style	Gel Seal
Max Operating Temperature	150°F (66°C)
Filter Depth	Various
Air Filtration Certification	UL 90, ULC S111, UL 586

Initial Resistance vs. Filter Face Velocity**Product Information**

Part Number	Style Code	Nominal Size (Feet)	Actual Size Inches (H x W x D)	Media Pack Depth	Rated Airflow (SCFM) 100 FPM	Std. Pkg. Qty.	Ship. Wt. Lbs/Box (± 7%)	Cubic Ft.
HEPA Efficiency – 99.99% on 0.3 micron (Scan Tested)								
577-850-027	27A85A2P0H0	2 x 2	21 $\frac{1}{8}$ x 19 $\frac{1}{8}$ x 2 $\frac{7}{8}$	2"	235	1	15.0	1.1
577-850-028	28A85A2P0H0	2 x 4	21 $\frac{1}{8}$ x 43 $\frac{3}{8}$ x 2 $\frac{7}{8}$	2"	550	1	20.0	2.3
577-550-027	27A55B2P0H0	2 x 2	21 $\frac{1}{8}$ x 19 $\frac{1}{8}$ x 3 $\frac{7}{8}$	3"	235	1	18.0	1.3
577-550-028	28A55B2P0H0	2 x 4	21 $\frac{1}{8}$ x 43 $\frac{3}{8}$ x 3 $\frac{7}{8}$	3"	550	1	23.0	2.9
577-650-027	27A65F2P0H0	2 x 2	21 $\frac{1}{8}$ x 19 $\frac{1}{8}$ x 4 $\frac{7}{8}$	4"	235	1	20.0	1.6
577-650-028	28A65F2P0H0	2 x 4	21 $\frac{1}{8}$ x 43 $\frac{3}{8}$ x 4 $\frac{7}{8}$	4"	550	1	25.0	3.5
ULPA Efficiency – 99.9995% on 0.1–0.2 micron (Laser and Scan Tested)								
579-850-027	27E85A2P0M0	2 x 2	21 $\frac{1}{8}$ x 19 $\frac{1}{8}$ x 2 $\frac{7}{8}$	2"	235	1	15.0	1.0
579-850-028	28E85A2P0M0	2 x 4	21 $\frac{1}{8}$ x 43 $\frac{3}{8}$ x 2 $\frac{7}{8}$	2"	550	1	20.0	6.4
579-550-027	27E55B2P0M0	2 x 2	21 $\frac{1}{8}$ x 19 $\frac{1}{8}$ x 3 $\frac{7}{8}$	3"	235	1	18.0	#N/A
579-550-028	28E55B2P0M0	2 x 4	21 $\frac{1}{8}$ x 43 $\frac{3}{8}$ x 3 $\frac{7}{8}$	3"	550	1	23.0	2.9
579-650-027	27E65F2P0M0	2 x 2	21 $\frac{1}{8}$ x 19 $\frac{1}{8}$ x 4 $\frac{7}{8}$	4"	235	1	20.0	0.6
579-650-028	28E65F2P0M0	2 x 4	21 $\frac{1}{8}$ x 43 $\frac{3}{8}$ x 4 $\frac{7}{8}$	4"	550	1	25.0	3.5

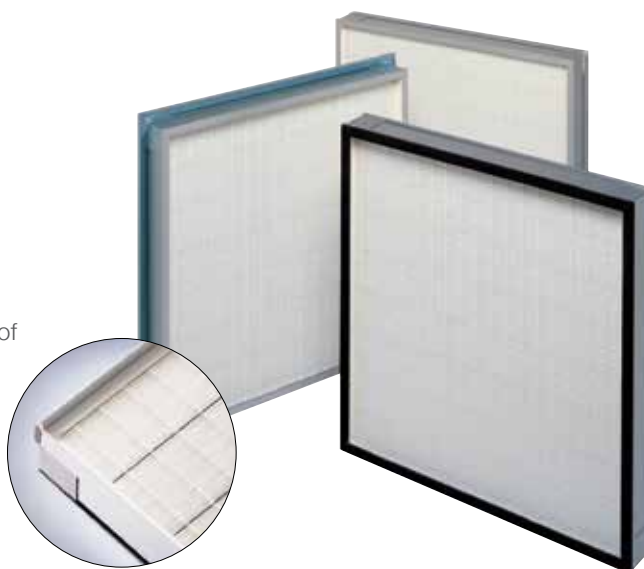
Additional sizes available upon request.

High Purity

AstroCel® II (Knife-Edge)

Product Overview

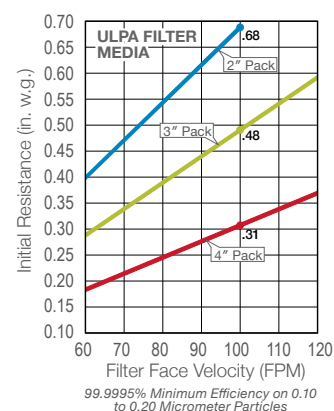
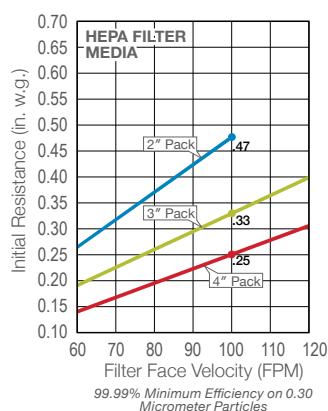
- Highest efficiency and lowest possible pressure drop
- Knife-edge design allows for long-lasting airtight seal in existing gel seal grid systems
- Eight (8) pleats per inch allow for the greatest amount of media in the shallowest depth
- Pleat straightness to $\pm 1/4"$ – unmatched by competitors
- Designed for environments requiring the very highest levels of contamination control
- Each filter undergoes state-of-the-art testing, tailored to meet your performance requirements
- Media is water-resistant and fire-retardant
- Custom sizes and a wide variety of construction options available upon request – see page 183 for details



Specifications

Efficiency	HEPA, ULPA
Media Type	Microglass
Frame Material	Aluminum
Separator Style	Media Ribbon
Special Size Available	Yes
Antimicrobial Available	No
Frame Style	Knife-Edge
Max Operating Temperature	150°F (66°C)
Filter Depth	Various
Air Filtration Certification	UL 90, ULC S111, UL 586

Initial Resistance vs. Filter Face Velocity



Product Information

Part Number	Style Code	Nominal Size (Feet)	Actual Size Inches (H x W x D)	Rated Airflow (SCFM) 100 FPM	Std. Pkg. Qty.	Ship. Wt. Lbs/Box (± 7%)	Cell Sides	Media Pack Depth
HEPA Efficiency – 99.99% on 0.3 micron (Scan Tested)								
577-870-023	23A87A2P0H0	2 x 2	23 x 23 x 3¼	320	1	16.0	3¼"	2"
577-870-022	22A87A2P0H0	2 x 3.5	23 x 41 x 3¼	600	1	26.0	3¼"	2"
577-870-021	21A87A2P0H0	2 x 4	23 x 47 x 3¼	695	1	30.0	3¼"	2"
577-570-023	23A57B2P0H0	2 x 2	23 x 23 x 4¼	320	1	18.0	4¼"	3"
577-570-022	22A57B2P0H0	2 x 3.5	23 x 41 x 4¼	600	1	30.0	4¼"	3"
577-570-021	21A57B2P0H0	2 x 4	23 x 47 x 4¼	695	1	32.0	4¼"	3"
577-670-023	23A67F2P0H0	2 x 2	23 x 23 x 5¼	320	1	20.0	5¼"	4"
577-670-022	22A67F2P0H0	2 x 3.5	23 x 41 x 5¼	600	1	32.0	5¼"	4"
577-670-021	21A67F2P0H0	2 x 4	23 x 47 x 5¼	695	1	36.0	5¼"	4"
ULPA Efficiency – 99.9995% on 0.1–0.2 micron (Laser and Scan Tested)								
579-870-023	23E87A2P0M0	2 x 2	23 x 23 x 3¼	320	1	16.0	3¼"	2"
579-870-022	22E87A2P0M0	2 x 3.5	23 x 41 x 3¼	600	1	26.0	3¼"	2"
579-870-021	21E87A2P0M0	2 x 4	23 x 47 x 3¼	695	1	30.0	3¼"	2"
579-570-023	23E57B2P0M0	2 x 2	23 x 23 x 4¼	320	1	18.0	4¼"	3"
579-570-022	22E57B2P0M0	2 x 3.5	23 x 41 x 4¼	600	1	30.0	4¼"	3"
579-570-021	21E57B2P0M0	2 x 4	23 x 47 x 4¼	695	1	32.0	4¼"	3"
579-670-023	23E67F2P0M0	2 x 2	23 x 23 x 5¼	320	1	20.0	5¼"	4"
579-670-022	22E67F2P0M0	2 x 3.5	23 x 41 x 5¼	600	1	32.0	5¼"	4"
579-670-021	21E67F2P0M0	2 x 4	23 x 47 x 5¼	695	1	36.0	5¼"	4"

Additional sizes available upon request.

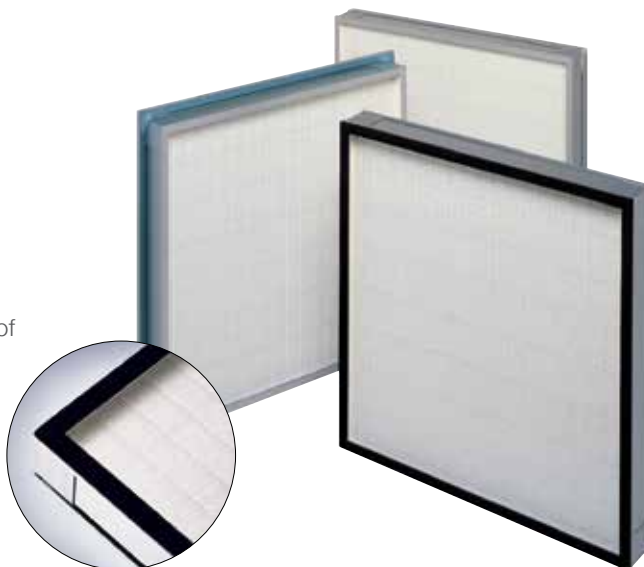
AstroCel® is a registered trademark of AAF International in the U.S. and other countries.

High Purity

AstroCel® II (Gasket Seal)

Product Overview

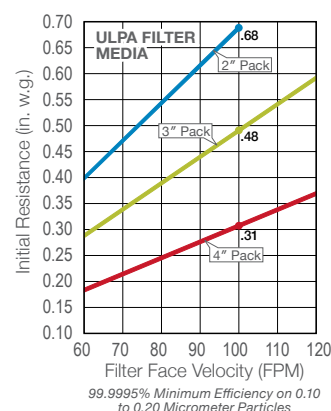
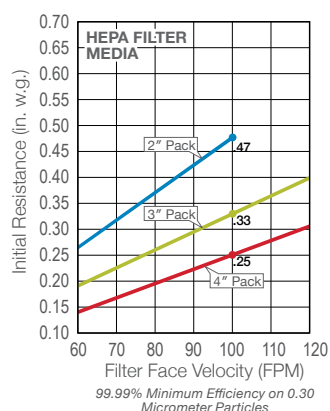
- Highest efficiency and lowest possible pressure drop
- Gasket Seal design allows for long lasting airtight seal in existing gel seal grid systems
- Eight (8) pleats per inch allow for the greatest amount of media in the shallowest depth
- Pleat straightness to $\pm 1/4"$ – unmatched by competitors
- Designed for environments requiring the very highest levels of contamination control
- Each filter undergoes state-of-the-art testing, tailored to meet your performance requirements
- Media is water-resistant and fire-retardant
- Custom sizes and a wide variety of construction options available upon request – see page 183 for details



Specifications

Efficiency	HEPA, ULPA
Media Type	Microglass
Frame Material	Aluminum
Separator Style	Media Ribbon
Special Size Available	Yes
Antimicrobial Available	No
Frame Style	Gasket Seal
Max Operating Temperature	150°F (66°C)
Filter Depth	Various
Air Filtration Certification	UL 90, ULC S111, UL 586

Initial Resistance vs. Filter Face Velocity



Product Information

Part Number	Style Code	Nominal Size (Feet)	Actual Size Inches (H x W x D)	Rated Airflow (SCFM) 100 FPM	Std. Pkg. Qty.	Ship. Wt. Lbs/Box (± 7%)	Cubic Ft.	Cell Sides	Media Pack Depth
HEPA Efficiency – 99.99% on 0.3 micron (Scan Tested)									
577-890-004	43A89A2T2H0	2 x 1	24 x 12 x 2 3/4	165	1	18.0	0.7	2 3/4	2"
577-890-005	14A89A2T2H0	2 x 2	24 x 24 x 2 3/4	350	1	21.0	1.4	2 3/4	2"
577-890-007	46A89A2T2H0	2 x 3	24 x 36 x 2 3/4	540	1	24.0	2.0	2 3/4	2"
577-890-008	17A89A2T2H0	2 x 4	24 x 48 x 2 3/4	725	1	28.0	2.7	2 3/4	2"
577-590-004	43A59B2T2H0	2 x 1	24 x 12 x 3 3/4	165	1	19.0	0.9	3 3/4	3"
577-590-005	14A59B2T2H0	2 x 2	24 x 24 x 3 3/4	350	1	24.0	1.7	3 3/4	3"
577-590-007	46A59B2T2H0	2 x 3	24 x 36 x 3 3/4	540	1	26.0	1.7	3 3/4	3"
577-590-008	17A59B2T2H0	2 x 4	24 x 48 x 3 3/4	725	1	31.0	3.4	3 3/4	3"
579-890-004	43E89A2T2M0	2 x 1	24 x 12 x 2 3/4	165	1	18.0	#N/A	2 3/4	2"
577-690-004	43A69F2T2H0	2 x 1	24 x 12 x 4 3/4	165	1	20.0	1.2	4 3/4	4"
577-690-005	14A69F2T2H0	2 x 2	24 x 24 x 4 3/4	350	1	26.0	2.1	4 3/4	4"
577-690-007	46A69F2T2H0	2 x 3	24 x 36 x 4 3/4	540	1	30.0	3.1	4 3/4	4"
577-690-008	17A69F2T2H0	2 x 4	24 x 48 x 4 3/4	725	1	36.0	4.1	4 3/4	4"
ULPA Efficiency – 99.9995% on 0.1–0.2 micron (Laser and Scan Tested)									
579-890-005	14E89A2T2M0	2 x 2	24 x 24 x 2 3/4	350	1	21.0	1.4	2 3/4	2"
579-890-007	46E89A2T2M0	2 x 3	24 x 36 x 2 3/4	540	1	24.0	3.3	2 3/4	2"
579-890-008	17E89A2T2M0	2 x 4	24 x 48 x 2 3/4	725	1	28.0	2.7	2 3/4	2"
579-590-004	43E59B2T2M0	2 x 1	24 x 12 x 3 3/4	165	1	19.0	#N/A	3 3/4	3"
579-590-005	14E59B2T2M0	2 x 2	24 x 24 x 3 3/4	350	1	24.0	1.7	3 3/4	3"
579-590-007	46E59B2T2M0	2 x 3	24 x 36 x 3 3/4	540	1	26.0	#N/A	3 3/4	3"
579-590-008	17E59B2T2M0	2 x 4	24 x 48 x 3 3/4	725	1	31.0	3.4	3 3/4	3"
579-690-004	43E69F2T2M0	2 x 1	24 x 12 x 4 3/4	165	1	20.0	#N/A	4 3/4	4"
579-690-005	14E69F2T2M0	2 x 2	24 x 24 x 4 3/4	350	1	26.0	2.1	4 3/4	4"
579-690-007	46E69F2T2M0	2 x 3	24 x 36 x 4 3/4	540	1	30.0	#N/A	4 3/4	4"
579-690-008	17E69F2T2M0	2 x 4	24 x 48 x 4 3/4	725	1	36.0	4.1	4 3/4	4"

Additional sizes available upon request.

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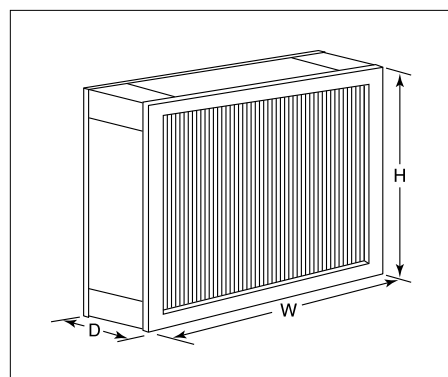
High Purity

AstroCel® II Style Code

1. FACE SIZE (Inches) H x W x D			
12	8 x 8	43	24 x 12
13	12 x 12	45	24 x 30
14	24 x 24	46	24 x 36
17	24 x 48	47	24 x 60
18	24 x 72	51	30 x 30
21	23 x 47	52	30 x 36
22	23 x 41	53	30 x 48
23	23 x 23	54	30 x 60
24	23½ x 47½	55	30 x 72
26	23½ x 23½	58	36 x 36
27	21½ x 19½	61	36 x 60
28	21½ x 43½	62	36 x 72
29	SPECIAL SIZE	63	23¼ x 47¼
33	15½ x 19½	65	36 x 48
35	20½ x 20½	67	23¼ x 41¼
37	20½ x 44½	68	23¼ x 29¼
38	23¼ x 23¼	69	23¼ x 35¼
41	23½ x 23½		

2. MEDIA (WATERPROOF MICROGLASS FIBER)		
		°T Limit
A	99.97% or 99.99%	1000°F
D	BioCel 95%	1000°F
E	ULPA 99.999% or 99.9995%	1000°F
Z	SPECIAL MEDIA	—

3. CELL SIDES	
40 Series (2", 3", 4" Deep Media Pack)	
40	"C" Channel (5½" overall depth)
50 Series (2", 3" Deep Media Pack)	
55	Gel Seal (3½" overall depth with Gel Seal) (PharmaGel)
57	¾" Knife edge (4¼" overall depth)
59	Gasket Seal (3¾" overall depth)
60 Series (2", 3", 4" Deep Media Pack)	
65	Gel Seal (4½" overall depth) with Gel Seal - PharmaGel)
67	¾" Knife edge (5¼" overall depth)
68	2¼" Knife edge (6¾" overall depth)
69	Gasket Seal (4¾" overall depth)



3. CELL SIDES	
80 Series (2" Deep Media Pack)	
85	Gel Seal (2½" overall depth) with Gel Seal - PharmaGel)
86	304 Stainless Steel (2¾" overall depth)
87	¾" Knife Edge (3¼" overall depth)
89	Gasket Seal (2¾" overall depth)
99	SPECIAL

NOTE: All cell sides are extruded anodized aluminum unless otherwise noted.

4. PACK DEPTH (Ribbon Separators)	
A	2" Media Pack
G	2½" Media Pack
B	3" Media Pack
C	3¼" Media Pack
D	3½" Media Pack
E	3¾" Media Pack
F	4" Media Pack
X	SPECIAL DEPTH

5. BOND MATERIAL		
		°T Limit
2	Polyurethane Elastomer	200°F
9	SPECIAL BOND	

6. GASKET MATERIAL		
P	None	
T	Neoprene sponge, SCE-43 Grade	225°F
U	Poron (¼" x ¾" w/dovetail joints)	
V	Poron (¼" x ¾" w/butt joints)	
Z	SPECIAL GASKET MATERIAL	

Note: Standard gasket is ¼" x ¾" with butt joints

7. GASKET LOCATION	
0	No gaskets required
1	Upstream only
2	Downstream only
3	Both faces
4	SPECIAL REQUIREMENT

8. ACCEPTANCE LEVEL		
A	99.97% on PAO	(A)
E	SPECIAL INSPECTION REQUIRED	
F	BioCel only - 95% on 0.3 mm	(D)
G	99.99% on 0.3 mm PSL	(A)
H	Scan Tested (99.99%)	(A)
J	99.999% on 0.3 mm PSL	(E)
K	Scan Tested (99.999%)	(E)
M	Scan Tested @ 99.9995% on .10 to .20 mm ambient particles + scan tested Tested at 100 FPM	(E)
P	Autoscan (99.9995 on MPPS, PSL)	
R	99.99% PAO	(A)
S	Cold PAO hand scan (99.99%)	(A)

Note: Letter in parentheses indicates the media type identified in Section 2.

9. FACEGUARD LOCATION & UL 586 LABEL	
0	No Faceguard, no UL Label
1	Faceguard upstream side only
2	Faceguard downstream side only
3	Faceguard both sides, no UL Label
4	SPECIAL FACEGUARDS
5	UL Label no faceguard
6	UL Label w/upstream faceguard
7	UL Label w/downstream faceguard
8	UL Label w/two faceguards

Note: Standard faceguard is flattened expanded metal painted white.

General Notes: The purpose of this style code is for identification of components used in standard catalogued AstroCel® II HEPA filters. Because of inherent compatibility limitations, the style code should not be used to arbitrarily "build" a filter incorporating random components. First dimension of filter is height, or direction of separators.

	2" Pack Depth Series 80	3" Pack Depth series 50	4" Pack Depth Series 60	Series 40
Gel Seal	2½" 85	3½" 55	4½" 65	
¾" Knife Edge	3¼" 87	4¼" 57	5¼" 67	
Channel Type (Gasket Seal)	2¾" 89	3¾" 59	4¾" 69	5¾" 40
2 1/4" Knife Edge	4¾" 88		6¾" 68	
304 Stainless Steel	2¾" 86			

High Purity

DimplePleat®

Product Overview

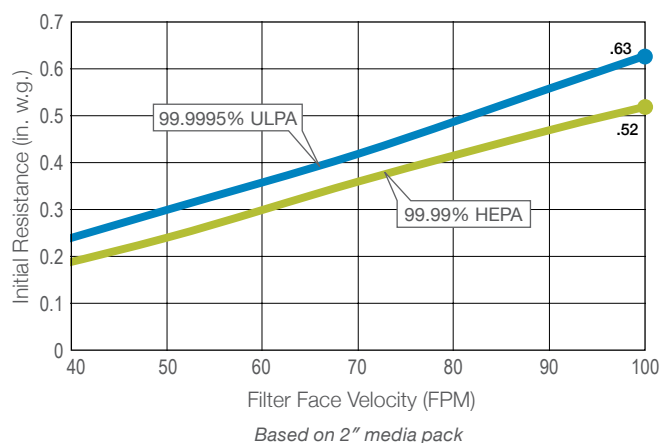
- Maximum utilization of media for long life
- Completely separatorless media pack
- Minimal offgassing due to elimination of glue, and no particle generation or fraying due to elimination of strings and strips
- Lightweight and easy to handle with a superior appearance
- State-of-the-art testing with low offgassing urethane to seal media pack to the frame



Specifications

Efficiency	HEPA, ULPA
Media Type	Microglass
Frame Material	Aluminum, Stainless Steel
Special Size Available	Yes
Antimicrobial Available	No
Frame Style	Gel, Gasket, or Knife-Edge Seal
Separator Style	Self-Supporting
Max Operating Temperature	212°F (100°C)
Filter Depth	Various
Air Filter Certification	UL 900

Initial Resistance vs. Filter Face Velocity



Product Information

Part Number	Actual Size Inches (H x W x D)	Rated Airflow CFM @ 100 FPM	Media Pack Depth	Shipping Wt. Lbs.	Std. Pkg. Qty.
HEPA Efficiency – 99.99% on 0.3 micron (Scan Tested)					
0-007-2-19-03-SU-12-00-GG-2	24 x 24 x 2 1/16	350	2"	10	1
0-007-2-19-03-SU-12-00-GQ-2	24 x 48 x 2 1/16	725	2"	20	1
0-007-4-19-03-SU-12-00-GG-4	24 x 24 x 4 1/16	350	4"	10	1
0-007-4-19-03-SU-12-00-GQ-4	24 x 48 x 4 1/16	725	4"	20	1
0-007-2-19-06-SU-52-00-GG-2	24 x 24 x 2 1/16	330	2"	10	1
0-007-2-19-06-SU-52-00-GQ-2	24 x 48 x 2 1/16	680	2"	20	1
0-007-4-19-06-SU-52-00-GG-4	24 x 24 x 4 1/16	330	4"	10	1
0-007-2-19-33-SU-00-00-K-GG	23 x 23 x 3 7/16	325	2"	10	1
0-007-2-19-33-SU-00-00-K-GQ	23 x 47 x 3 7/16	685	2"	20	1
0-007-4-19-33-SU-00-00-K-GG	23 x 23 x 5 3/8	325	4"	16	1
0-007-4-19-33-SU-00-00-K-GQ	23 x 47 x 5 3/8	685	4"	31	1
ULPA Efficiency – 99.9995% on 0.1–0.2 micron (Laser and Scan Tested)					
0-009-2-19-03-SU-12-00-GG-2	24 x 24 x 2 1/16	350	2"	10	1
0-009-2-19-03-SU-12-00-GQ-2	24 x 48 x 2 1/16	725	2"	20	1
0-009-4-19-03-SU-12-00-GG-4	24 x 24 x 4 1/16	350	4"	10	1
0-009-4-19-03-SU-12-00-GQ-4	24 x 48 x 4 1/16	725	4"	20	1
0-009-2-19-06-SU-52-00-GG-2	24 x 24 x 2 1/16	330	2"	10	1
0-009-2-19-06-SU-52-00-GQ-2	24 x 48 x 2 1/16	680	2"	20	1
0-009-4-19-06-SU-52-00-GG-4	24 x 24 x 4 1/16	330	4"	10	1
0-009-2-19-33-SU-00-00-K-GG	23 x 23 x 3 7/16	325	2"	10	1
0-009-2-19-33-SU-00-00-K-GQ	23 x 47 x 3 7/16	685	2"	20	1
0-009-4-19-33-SU-00-00-K-GG	23 x 23 x 5 3/8	325	4"	16	1
0-009-4-19-33-SU-00-00-K-GQ	23 x 47 x 5 3/8	685	4"	31	1

Additional sizes available upon request.

High Purity

DimplePleat® LB

Product Overview

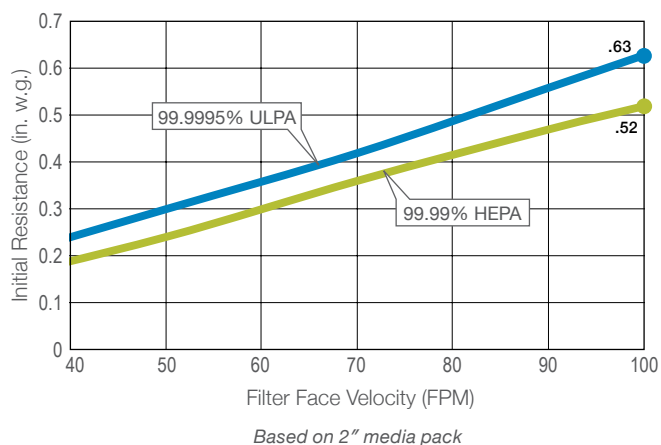
- Less than 10 PPM of boron, as compared to 20,000 to 30,000 in traditional microglass HEPA media
- Economical alternative to ePTFE media when low boron is required
- Completely separatorless media pack design for maximum airflow and media utilization
- Elimination of separators minimizes offgassing and particle generation



Specifications

Efficiency	HEPA, ULPA
Media Type	Low-Boron Microglass
Frame Material	Aluminum, Stainless Steel
Special Size Available	Yes
Antimicrobial Available	No
Frame Style	Gel, Gasket, or Knife-Edge Seal
Separator Style	Self-Supporting
Max Operating Temperature	212°F (100°C)
Filter Depth	Various
Air Filter Certification	UL 900

Initial Resistance vs. Filter Face Velocity



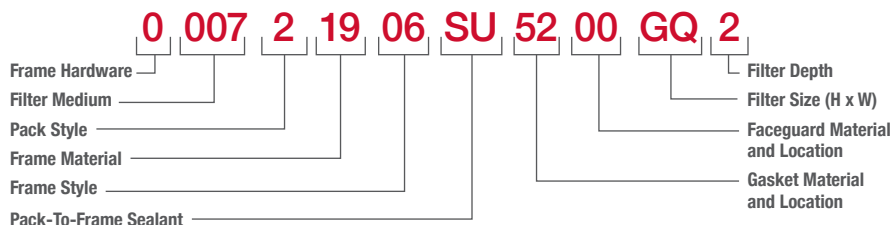
Product Information

Part Number	Actual Size Inches (W x H x D)	Rated Airflow CFM @ 100 FPM	Media Pack Depth	Shipping Wt. Lbs.	Std. Pkg. Qty.
HEPA Efficiency – 99.99% on 0.3 micron (Scan Tested)					
0-B07-2-19-03-SU-12-00-GG-2	24 x 24 x 2 1/16	350	2"	10	1
0-B07-2-19-03-SU-12-00-GQ-2	24 x 48 x 2 1/16	725	2"	20	1
0-B07-4-19-03-SU-12-00-GG-4	24 x 24 x 4 1/16	350	4"	10	1
0-B07-4-19-03-SU-12-00-GQ-4	24 x 48 x 4 1/16	725	4"	20	1
0-B07-2-19-06-SU-52-00-GG-2	24 x 24 x 2 1/16	285	2"	10	1
0-B07-2-19-06-SU-52-00-GQ-2	24 x 48 x 2 1/16	625	2"	20	1
0-B07-4-19-06-SU-52-00-GG-4	24 x 24 x 4 1/16	285	4"	10	1
0-B07-2-19-33-SU-00-00-K-GG	23 x 23 x 3 7/16	625	2"	10	1
0-B07-2-19-33-SU-00-00-K-GQ	23 x 47 x 3 7/16	685	2"	20	1
0-B07-4-19-33-SU-00-00-K-GG	23 x 23 x 5 3/8	325	4"	16	1
0-B07-4-19-33-SU-00-00-K-GQ	23 x 47 x 5 3/8	685	4"	31	1
ULPA Efficiency – 99.9995% on 0.1–0.2 micron (Laser and Scan Tested)					
0-B09-2-19-03-SU-12-00-GG-2	24 x 24 x 2 1/16	350	2"	10	1
0-B09-2-19-03-SU-12-00-GQ-2	24 x 48 x 2 1/16	725	2"	20	1
0-B09-4-19-03-SU-12-00-GG-4	24 x 24 x 4 1/16	350	4"	10	1
0-B09-4-19-03-SU-12-00-GQ-4	24 x 48 x 4 1/16	725	4"	20	1
0-B09-2-19-06-SU-52-00-GG-2	24 x 24 x 2 1/16	285	2"	10	1
0-B09-2-19-06-SU-52-00-GQ-2	24 x 48 x 2 1/16	625	2"	20	1
0-B09-4-19-06-SU-52-00-GG-4	24 x 24 x 4 1/16	285	4"	10	1
0-B09-2-19-33-SU-00-00-K-GG	23 x 23 x 3 7/16	325	2"	10	1
0-B09-2-19-33-SU-00-00-K-GQ	23 x 47 x 3 7/16	685	2"	20	1
0-B09-4-19-33-SU-00-00-K-GG	23 x 23 x 5 3/8	325	4"	16	1
0-B09-4-19-33-SU-00-00-K-GQ	23 x 47 x 5 3/8	685	4"	31	1

Additional sizes available upon request.

High Purity

DimplePleat® Style Code

**1. FRAME HARDWARE**

Code	Type
0	None
E	Extruded Alum. CB w/1 Port
X	SPECIAL

2. FILTER MEDIUM

007	99.97% W/R Glass (Standard)
008	99.999% Efficient on 0.3µm Particles, ULPA Grade with W/R Glass
009	99.9995% Efficient on 0.12µm Particles, ULPA Grade with W/R Glass
012	99.99999% Efficient on 0.12µm Particles, VLSI Grade with W/R Glass
A**	Media Treated with an Antimicrobial Agent

3. PACK STYLE

Code	Type
1	1" DimplePleat® Element
2	2" DimplePleat® Element
3	3" DimplePleat® Element
4	4" DimplePleat® Element
6	6" DimplePleat® Element
Q	1" Hot Element
R	2" Hot Element
S	3" Hot Element
T	4" Hot Element
U	1" Hot Melt Element

4. FRAME MATERIAL

02	16-Gauge Type 409 Stainless Steel Riveted
03	16-Gauge Type 304 Stainless Steel Riveted
05	.063" Thick Fabricated Aluminum
08	16-Gauge Galvanneal
14	P.V.C. (Chlorine Resistant)
19	Extruded Aluminum (Clear Anodized)

5. FRAME STYLE

Code	Type
03	Two Double-Turn Flanges
04	Skirted Filter for Channel-Ceil System
05	¾"-Deep Channel (or Groove) Filled with Fluid Sealant
06	Single Header Filled with Fluid Sealant (Back of Header)
32	1" Skirted Filter for Fluid Seal Grid System
33	¾" Skirted Filter for Fluid Seal Grid System
74	Skirted Filter for Fluid Channel Ceil System

6. PACK-TO-FRAME SEALANT**LAMINAR FLOW GRADE FILTERS**

SE	High Temp Silicone 99.99%
SU	F.R. Urethane 99.99%

PHARMACEUTICAL GRADE FILTERS

PG	F.R. Urethane PAO Test 99.99% Auto-scan, No Patches
PA	F.R. Urethane PAO Test 99.99%
PE	High Temp, No Patch
PT	High Temp Thermal PAO Test

**If using special media designation, replace the first "0" with the letter indicated.

Continued on next page.

High Purity

DimplePleat® Style Code

7. GASKET/SEAL MATERIAL

Code	Type
0	None
1	Neoprene
3	Cohrlastic Sponge
4	Woven Glass
5	BluJel®
6	Urethane Jel
7	Glass Packing
8	Polyurethane Ether Foam
B	Black Poly – B
F	FDA-Approved White Silicone
P	Poron
R	Braided Rope
W	White Poly – B
V	Viton
X	Special

8. GASKET LOCATION

0	None
1	Upstream
2	Downstream
3	Both
4	Back of Header
X	SPECIAL

9. FACEGUARD MATERIAL

0	None
1	Galvanized (4 x 4 Mesh)
2	Stainless Steel (4 x 4 Mesh)
3	PVC (24" x 24") (4 x 4 Mesh)
4	Scrim (6 x 6 Mesh)
A	Anodized Alum. Perf. 40% Open
B	Alum. Perf. (White Paint)
C	CRS Perf. (White Paint) 40% Open
D	Expanded Alum. (White Paint)
E	Expanded S/S
F	Expanded CRS (White Paint)
G	Expanded Aluminized Steel
S	Stainless Steel Perf. 40% Open
X	SPECIAL

10. FACEGUARD LOCATION

0	None
1	Upstream
2	Downstream
3	Both

STANDARD SIZE DESIGNATIONS*

Code	Type	Code	Type
B	8"	R	60"
C	12"	S	72"
E	18"	U	11½"
G	24"	V	15½"
N	30"	W	17½"
P	36"	X	29½"
H	42"	Y	23½"
Q	48"	Z	24½"

*Height x Width x Depth.

ODD SIZE DESIGNATIONS**

A	0"	J	½"
B	1/16"	K	9/16"
C	1/8"	L	5/8"
D	3/16"	M	1 1/16"
E	¼"	N	¾"
F	5/16"	P	13/16"
G	¾"	Q	7/8"
H	7/16"	R	15/16"

**Odd size designation is an alphanumeric description. The first two numbers and letter specify the height and the second two numbers and letter specify the width. Then add the final character as per the below to specify the depth.

FILTER FRAME DEPTH

A	3 1/16"	2	2 7/8"
D	5 7/8"	3	3 7/8"
D2	7 7/8"	4	4 7/8"
F	11 ½"	6	6 7/8"
F2	13 ½"	8	8 7/8"
T	6 3/8"		

FILTER SIZE CODE

UL CODE**

EXAMPLES	
A (Round Filter Size)	US – UL 586***
M-GQ	U9 – UL 900***
GG-F	
GG-F2	
E1386*	
Z90127*	
YY-D	
17E21A	

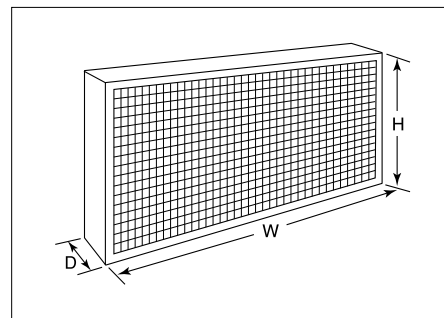
*Indicates special extrusion/engineering drawing.

**Optional

***See Engineering Form numbers ENGR-018 & ENGR-021 to determine if a filter meets UL 900 or UL 586.

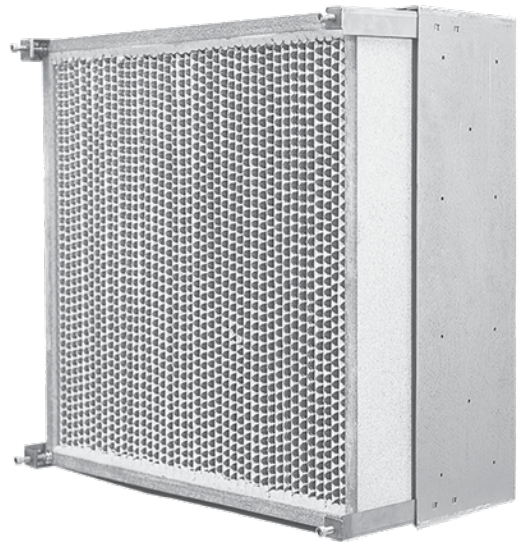
Notes:

1. All combinations are not available as standards – check catalog for standards. Because of inherent compatibility limitations, the style code should not be used to arbitrarily "build" a filter.



High Purity**B-1 Frame****Product Overview**

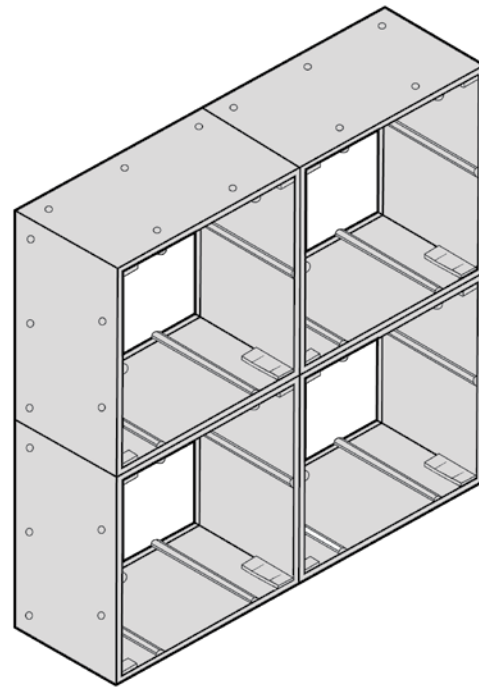
- All-welded 14-gauge galvanized steel construction for corrosion resistance and rigidity
- Stainless steel locking arm and screw assemblies secure and seal the HEPA filter
- Factory-drilled alignment holes facilitate field assembly of built-up filter banks
- Optional prefilter assembly is available for direct attachment to the frame

**Product Information**

Model Number	Fits HEPA Filter Size (Inches)	Shipping Wt. Lbs. per Box
Galvanized		
B1-GLV-GG-F	24 x 24 x 11½	14
B1-GLV-GG-D	24 x 24 x 5⅞	14
B1-GLV-GC-F	24 x 12 x 11½	9
B1-GLV-GC-D	24 x 12 x 5⅞	9
B1-GLV-YY-F	23⅞ x 23⅞ x 11½	13
B1-GLV-YY-D	23⅞ x 23⅞ x 5⅞	13
B1-GLV-YU-F	23⅞ x 11⅞ x 11½	9
B1-GLV-YU-D	23⅞ x 11⅞ x 5⅞	9
Aluminum		
B1-ALUM-GG-F	24 x 24 x 11½	14
B1-ALUM-GG-D	24 x 24 x 5⅞	14
B1-ALUM-GC-F	24 x 12 x 11½	9
B1-ALUM-GC-D	24 x 12 x 5⅞	9
B1-ALUM-YY-F	23⅞ x 23⅞ x 11½	13
B1-ALUM-YY-D	23⅞ x 23⅞ x 5⅞	13
B1-ALUM-YU-F	23⅞ x 11⅞ x 11½	9
B1-ALUM-YU-D	23⅞ x 11⅞ x 5⅞	9
304 Stainless Steel		
B1-34-GG-F	24 x 24 x 11½	28
B1-34-GG-D	24 x 24 x 5⅞	28
B1-34-GC-F	24 x 12 x 11½	18
B1-34-GC-D	24 x 12 x 5⅞	18
B1-34-YY-F	23⅞ x 23⅞ x 11½	27
B1-34-YY-D	23⅞ x 23⅞ x 5⅞	27
B1-34-YU-F	23⅞ x 11⅞ x 11½	18
B1-34-YU-D	23⅞ x 11⅞ x 5⅞	18

High Purity**AstroFrame™****Product Overview**

- 14-gauge all-welded construction to deliver maximum enclosure integrity
- Galvanized steel or type 304 stainless steel
- Predrilled for ease of field assembly
- Pressure bolt latches for positive seal
- Gasket seal or gel seal
- Designed to ensure installed filters achieve at least 99.97% efficiency on 0.3µm

**Product Information**

Galvanized Part Number	Cubic Ft.	304 Stainless Steel Part Number	Cubic Ft.	AstroCel® Size Inches (W x H x D)	Actual Frame Size
Gel Seal AstroCel® Filters					
329-526-006	5.2	329-526-014	5.2	24 x 24 x 11½	24¾ x 24¾ x 13½
329-526-005	2.7	329-526-013	2.7	12 x 24 x 11½	12¾ x 24¾ x 13½
329-526-019	2.7	329-526-023	2.7	24 x 12 x 11½	24¾ x 12¾ x 13½
Gasket Seal AstroCel® Filters					
329-526-002	5.2	329-526-010	5.2	24 x 24 x 11½	24¾ x 24¾ x 13½
329-526-001	2.7	329-526-009	2.7	12 x 24 x 11½	12¾ x 24¾ x 13½
329-526-017	2.7	329-526-021	2.7	24 x 12 x 11½	24¾ x 12¾ x 13½

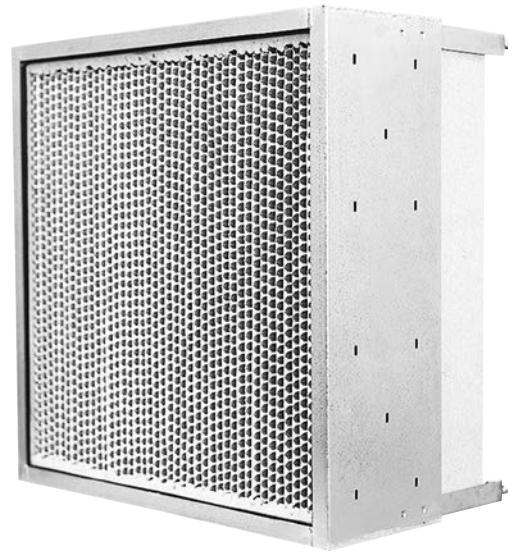
Additional sizes and configurations available upon request.

High Purity

A-4 Frame

Product Overview

- All-welded construction for corrosion resistance and rigidity
- Gel seal for the best protection against bypass leakage
- Stainless steel locking arm and screw assemblies secure and seal the HEPA filter
- Factory drilled alignment holes facilitate field assembly of built-up filter banks

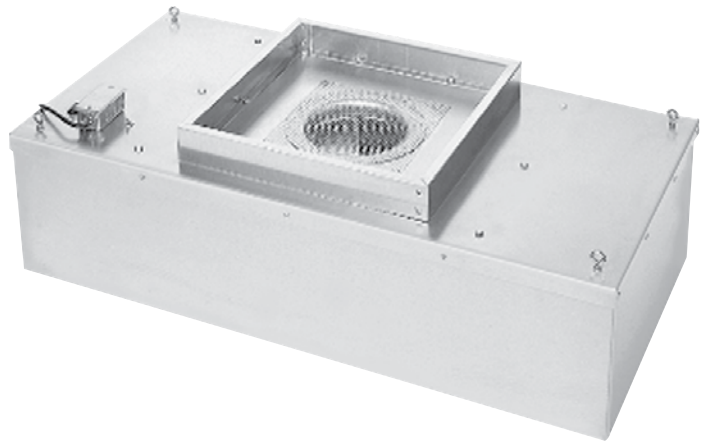


Product Information

Model Number	Fits HEPA Filter Size (Inches)	Shipping Wt. Lbs. per Box
Galvanized		
A4-GLV-GG-F	24 x 24 x 11½	14
A4-GLV-GG-D	24 x 24 x 5⅞	14
A4-GLV-GC-F	24 x 12 x 11½	10
A4-GLV-GC-D	24 x 12 x 5⅞	10
A4-GLV-YY-F	23⅞ x 23⅞ x 11½	13
A4-GLV-YY-D	23⅞ x 23⅞ x 5⅞	13
A4-GLV-YU-F	23⅞ x 11⅞ x 11½	9
A4-GLV-YU-D	23⅞ x 11⅞ x 5⅞	9
Aluminum		
A4-ALUM-GG-F	24 x 24 x 11½	14
A4-ALUM-GG-D	24 x 24 x 5⅞	14
A4-ALUM-GC-F	24 x 12 x 11½	10
A4-ALUM-GC-D	24 x 12 x 5⅞	10
A4-ALUM-YY-F	23⅞ x 23⅞ x 11½	13
A4-ALUM-YY-D	23⅞ x 23⅞ x 5⅞	13
A4-ALUM-YU-F	23⅞ x 11⅞ x 11½	9
A4-ALUM-YU-D	23⅞ x 11⅞ x 5⅞	9
304 Stainless Steel		
A4-34-GG-F	24 x 24 x 11½	28
A4-34-GG-D	24 x 24 x 5⅞	28
A4-34-GC-F	24 x 12 x 11½	20
A4-34-GC-D	24 x 12 x 5⅞	20
A4-34-YY-F	23⅞ x 23⅞ x 11½	27
A4-34-YY-D	23⅞ x 23⅞ x 5⅞	27
A4-34-YU-F	23⅞ x 11⅞ x 11½	19
A4-34-YU-D	23⅞ x 11⅞ x 5⅞	19

High Purity**Pureflo™ FPM****Product Overview**

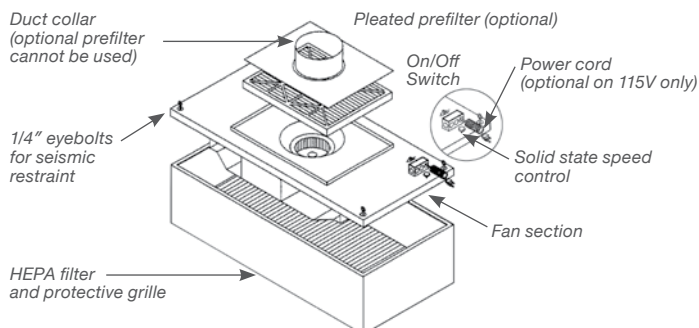
- Extremely quiet fan/motor assembly
- HEPA/ULPA filters are replaceable
- Filters are scan tested after assembly to meet or exceed IEST RP-1 requirements for Type C and F filters
- DimplePleat® separatorless filter pack for a lightweight and low-profile design
- Recommended for cleanrooms in fabrication of microelectronics, semiconductors, and medical devices
- All electrical components UL Classified
- Lightweight and corrosion resistant housing

**Specifications**

Available Styles	Prefilter, Duct Collar
Housing Material	Mill Finish Aluminum
Available Efficiencies	HEPA, ULPA
Module Type	Fan Unit, Replaceable Filter
Protective Grill	Expanded Steel, White Powder Coated
Fan/Motor Assembly	1/3 HP Backward-Curved Fan
Max Operating Temperature	212°F (100°C)

Product Information

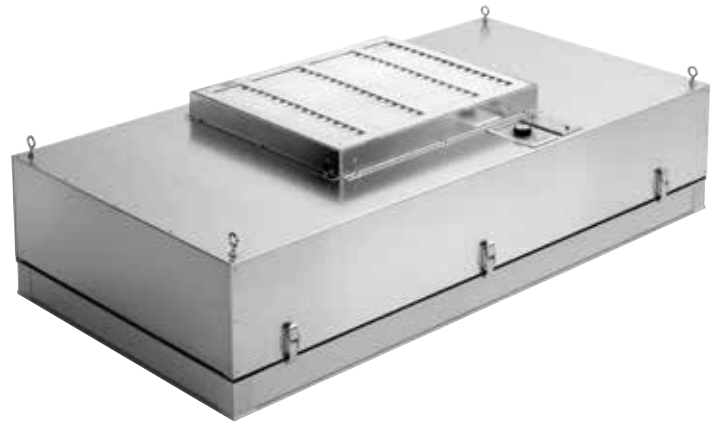
Model Number	Nominal Size Inches	Actual Size (Top) Inches	Actual Size (Bottom) Inches	Particle Efficiency	Typical Running Amps (115V)	Sensible Heat Output (BtuH)	Rated SCFM @ 90 FPM	Ship. Wt. (Lbs.)
PF-FPM-493-2424-STD	24 x 24	23.87 x 23.87	23.63 x 23.63	99.99% (0.3µm)	1.68	659	360	44
PF-FPM-493-2448-STD	24 x 48	23.87 x 47.87	23.63 x 47.63	99.99% (0.3µm)	2.04	800	720	66
PF-FPM-591-2424-STD	24 x 24	23.87 x 23.87	23.63 x 23.63	99.9995 (0.12µm)	1.89	724	360	44
PF-FPM-591-2448-STD	24 x 48	23.87 x 47.87	23.63 x 47.63	99.9995 (0.12µm)	2.11	828	720	66



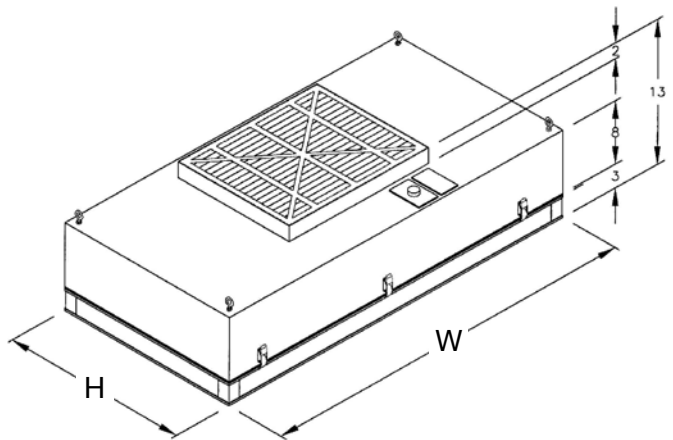
Motor Options (all motors are 1/3 HP single phase)			
Volts	Hertz	Amps (full load)	RPM
115	60	2.4	1570
230	60	0.94	1570
277	60	0.94	1570
230	50	0.94	1310

High Purity**FM2-LE™****Product Overview**

- Can upgrade existing cleanrooms or convert existing space into a cleanroom
- HEPA/ULPA filters are replaceable
- Energy efficient backward-curved motorized impeller
- Includes low pressure drop AstroCel® II, can be upgraded to MEGAcel® II
- Supplied with either a MERV 8 pleated prefilter to extend HEPA life, or duct connections for ease of installation
- All motors dynamically balanced and 100% inspected
- All electrical components UL Classified
- Lightweight and corrosion resistant housing

**Specifications**

Available Styles	Prefilter, Duct Collar
Housing Material	Mill Finish Aluminum
Available Efficiencies	HEPA, ULPA
Module Type	Fan Unit, Replaceable Filter
Protective Grill	Expanded Steel, White Powder Coated
Fan/Motor Assembly	1/3 HP Backward-Curved Fan
Max Operating Temperature	150°F (68°C)

**Product Information**

Part Number	Nominal Size Inches (Feet)	Actual Size Inches (H x W x D)	Dust Collar Size (Inches)	Rated SCFM @ 100 FPM	Std. Pkg. Qty. Per Box	Shipping Wt. Lbs. per Box (± 7%)	Cubic Ft.
Aluminum Housing w/Steel Faceguard; 99.99% scan-tested HEPA filter, 115v, 60Hz Motor							
3010352-002	2 x 2	23½ x 23½ x 13	NA	340	1	30.0	1.0
3010352-006	2 x 2	23½ x 23½ x 13	10	340	1	30.0	0.0
3010352-010	2 x 2	23½ x 23½ x 13	12	340	1	30.0	0.0
3010345-002	2 x 3	23½ x 35½ x 13	NA	525	1	50.0	1.6
3010345-006	2 x 3	23½ x 35½ x 13	10	525	1	50.0	4.6
3010345-010	2 x 3	23½ x 35½ x 13	12	525	1	50.0	0.0
3010337-002	2 x 4	23½ x 47½ x 13	NA	710	1	60.0	6.2
3010337-006	2 x 4	23½ x 47½ x 13	10	710	1	60.0	0.0
3010337-010	2 x 4	23½ x 47½ x 13	12	710	1	60.0	0.0
Aluminum Housing w/Steel Faceguard; 99.99% scan-tested HEPA filter, 115v, 60Hz Motor, Power Cord Included							
3010352-001	2 x 2	23½ x 23½ x 13	NA	340	1	30.0	1.0
3010352-005	2 x 2	23½ x 23½ x 13	10	340	1	30.0	3.1
3010352-009	2 x 2	23½ x 23½ x 13	12	340	1	30.0	0.0
3010345-001	2 x 3	23½ x 35½ x 13	NA	525	1	50.0	1.6
3010345-005	2 x 3	23½ x 35½ x 13	10	525	1	50.0	1.6
3010345-009	2 x 3	23½ x 35½ x 13	12	525	1	50.0	0.0
3010337-001	2 x 4	23½ x 47½ x 13	NA	710	1	60.0	2.1
3010337-005	2 x 4	23½ x 47½ x 13	10	710	1	60.0	0.0
3010337-009	2 x 4	23½ x 47½ x 13	12	710	1	60.0	6.2

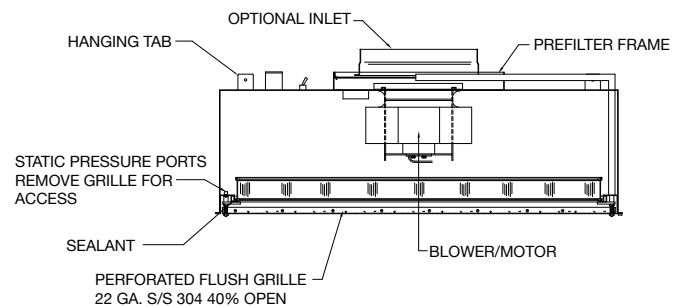
Additional options available on request include: 3" and 4" filter depths, 230v/60Hz motor, stainless steel faceguard, center divider with test port on filter, and filter efficiencies up to 99.9995% on 0.1 – 0.2µm particles. Contact your local AAF Flanders representative for details.

High Purity**Model 39 Airvelope®****Product Overview**

- Roomside replaceable HEPA filter for quick and easy maintenance
- Upgrade existing cleanrooms or convert existing space into a cleanroom
- Motor assembly also roomside removable for easy service
- Extremely quiet operation
- ISO Class 5 or better airflow
- Variable speed control
- Washable foam prefilter
- Lightweight and corrosion resistant housing

**Specifications**

Available Styles	Prefilter, Duct Collar
Housing Material	Mill Finish Aluminum or Stainless Steel
Available Efficiencies	HEPA, ULPA
Module Type	Fan Unit, Roomside Replaceable Filter
Protective Grill	Expanded Steel, White Powder Coated
Fan/Motor Assembly	1/3 HP Backward-Curved Fan
Max Operating Temperature	212°F (100°C)

**Product Information****Modules – Filter Not Included**

Model Number	Nominal Size Inches	Actual Size Inches	Frame Material	Shipping Wt. Lbs. per Box	CFM Capacity (Max/Min)
A39-E1286-ACF00000D0000	24 x 24	22 ¹¹ / ₁₆ x 22 ¹¹ / ₁₆ x 16 ⁵ / ₈	Aluminum	40	400/225
A39-E1386-ACF00000D0000	24 x 48	22 ¹¹ / ₁₆ x 46 ¹¹ / ₁₆ x 16 ⁵ / ₈	Aluminum	60	800/415
A39-E1286-SSF00000D0000	24 x 24	22 ¹¹ / ₁₆ x 22 ¹¹ / ₁₆ x 16 ⁵ / ₈	Stainless Steel	50	400/225
A39-E1386-SSF00000D0000	24 x 48	22 ¹¹ / ₁₆ x 46 ¹¹ / ₁₆ x 16 ⁵ / ₈	Stainless Steel	75	800/415

Dimensions listed do not include trim for installation in ceiling grids or optional duct inlet.

Motor Specs: 1.9-2.3 Amps @ 115 Volts (Low – High); 64 dBA (as measured 30" from filter at 90 FPM).

Filters

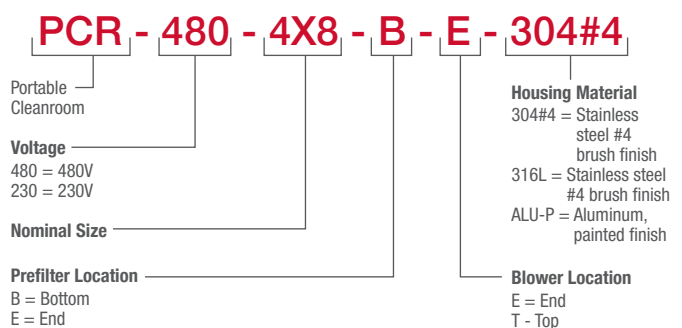
Part Number	Nominal Size Inches (H x W x D)	Frame Material	Shipping Wt. Lbs.
HEPA Filters – 99.99% on 0.3µm, 2" Deep DimplePleat® Media Pack, Scan Tested			
0-007-2-19-06-SU-52-00-E1286	24 x 24 x 2	Extruded Aluminum	10
0-007-2-19-06-SU-52-00-E1386	24 x 48 x 2	Extruded Aluminum	20
0-007-2-03-06-SU-52-00-E1286	24 x 24 x 2	Stainless Steel	12
0-007-2-03-06-SU-52-00-E1386	24 x 48 x 2	Stainless Steel	24
ULPA Filters – 99.9995% on 0.12µm, DimplePleat® Media Pack, Scan Tested			
0-009-2-19-06-SU-52-00-E1286	24 x 24 x 2	Extruded Aluminum	10
0-009-2-19-06-SU-52-00-E1386	24 x 48 x 2	Extruded Aluminum	20
0-009-2-03-06-SU-52-00-E1286	24 x 24 x 2	Stainless Steel	12
0-009-2-03-06-SU-52-00-E1386	24 x 48 x 2	Stainless Steel	24

High Purity**Airvelope® PCR****Product Overview**

- Self-contained module that can create a stand alone ISO 5 cleanroom
- Can be suspended from ceiling, or mounted on legs and casters
- Filters are conveniently installed, changed, or tested from roomside
- Direct drive centrifugal blowers with variable frequency drives for speed control
- Retrofit or upgrade existing cleanrooms and fill lines
- Guaranteed to meet or exceed cleanliness requirements of ISO 14644-1
- Stainless steel plenum for easy cleaning and sterilization
- 480V single point connection for easy electrical hookup

**Specifications**

Available Styles	Prefilter, Duct Collar
Housing Material	Mill Finish Aluminum or Stainless Steel
Available Efficiencies	HEPA, ULPA
Module Type	Fan Unit, Roomside Replaceable Filter
Protective Grill	Expanded Steel, White Powder Coated
Fan/Motor Assembly	1/3 HP Backward-Curved Fan
Max Operating Temperature	212°F (100°C)

**Product Information**

Available Filter Efficiencies		
Laminar Flow Grade	Minimum Efficiency (%)	Micron Particle Size
HEPA	99.99	0.30
ULPA	99.9995	0.12
SULPA	99.999999	0.12

Available Options

- Teardrop lighting (120V) (277V)
- Photohelic gage
- Aerosol injection port
- Audible alarm (with silence button)
- Visual alarm
- 316 L stainless steel construction
- Vinyl curtains
- Adjustable legs/casters
- Prefilters/polypad
- Sprinkler connection

Self-Contained Laminar Flow Module									
Nominal Clean Area (ft.)	1 HP Motors (Number)	A	B	C	Light Fixtures		Weight	Cubic Feet	
					No.	Size (ft.)			
4 x 4	1	48½	48¾	72¾	1	4	588	49	
4 x 6	1	48½	74½	98½	2	4	660	65	
4 x 8	2	48½	99½	123½	3	4	750	83	
4 x 10	2	48½	124¾	148¾	4	4	896	110	
4 x 12	2	48½	150¼	174¼	5	4	1350	116	
6 x 6	2	72½	74½	98½	2	6	876	97	
6 x 8	2	72½	99½	123½	3	6	954	124	
6 x 10	3	72½	124¾	148¾	4	6	1440	149	
6 x 12	3	72½	150¼	174¼	5	6	1560	173	
8 x 8	3	96½	99½	123½	3	8	1490	166	

High Purity

AstroHood® S-I

Product Overview

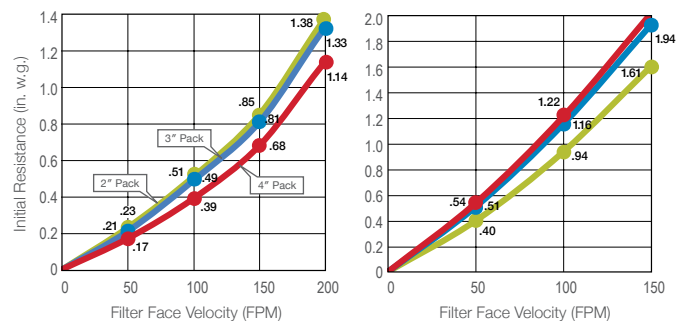
- Slide damper design allows for superior airflow distribution and fine adjustment
- Roomside replaceable HEPA filter for quick and easy maintenance
- Airflow adjustment and testing also available from roomside
- Continuous seal welding eliminates leak paths and adds strength
- Easy lay-in installation in a standard tee-bar ceiling
- Adaptable for horizontal or exhaust applications
- Gel seal design prevents bypass/leakage
- Lightweight and corrosion resistant housing



Specifications

Available Styles	Duct Collar
Housing Material	Mill Finish Aluminum or Stainless Steel
Available Efficiencies	HEPA, ULPA
Module Type	Hood, Roomside Replaceable Filter
Protective Grill	Expanded Steel, White Powder Coated

Initial Resistance vs. Filter Face Velocity



Product Information

Modules – Filter Not Included

Model Number	Nominal Size Inches	Actual Size Inches	Frame Material	Shipping Wt. Lbs. per Box
ESD0881-AL22-CF0000000T1	24 x 24	22 ¹¹ / ₁₆ x 22 ¹¹ / ₁₆ x 11	Aluminum	25
ESD0781-AL22-CF0000000T1	24 x 48	22 ¹¹ / ₁₆ x 46 ¹¹ / ₁₆ x 11	Aluminum	35
ESD0881-SS22-SF0000000T1	24 x 24	22 ¹¹ / ₁₆ x 22 ¹¹ / ₁₆ x 11	Stainless Steel	25
ESD0781-SS22-SF0000000T1	24 x 48	22 ¹¹ / ₁₆ x 46 ¹¹ / ₁₆ x 11	Stainless Steel	35

Dimensions listed do not include trim for installation in ceiling grids. Depths include duct collar. Filters with 3" or 4" media packs will require module depths up to 21" overall.

Filters

Part Number	Nominal Size Inches (D x W x H)	Frame Material	Shipping Wt. Lbs.
HEPA Filters – 99.99% on 0.3µm, 2" Deep DimplePleat® Media Pack, Scan Tested			
0-007-2-19-06-SU-52-00-E1286	24 x 24 x 2	Extruded Aluminum	10
0-007-2-19-06-SU-52-00-E1386	24 x 48 x 2	Extruded Aluminum	20
0-007-2-03-06-SU-52-00-E1286	24 x 24 x 2	Stainless Steel	12
0-007-2-03-06-SU-52-00-E1386	24 x 48 x 2	Stainless Steel	24
ULPA Filters – 99.9995% on 0.12µm, DimplePleat® Media Pack, Scan Tested			
0-009-2-19-06-SU-52-00-E1286	24 x 24 x 2	Extruded Aluminum	10
0-009-2-19-06-SU-52-00-E1386	24 x 48 x 2	Extruded Aluminum	20
0-009-2-03-06-SU-52-00-E1286	24 x 24 x 2	Stainless Steel	12
0-009-2-03-06-SU-52-00-E1386	24 x 48 x 2	Stainless Steel	24

High Purity

AstroHood® S-I Style Code

AS1A – E F 22 10R – PS 1 0 – 3 0 0 1

(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12)

(1) PRODUCT TYPE	(2) DAMPER TYPE	(3) SEAL TYPE	(4) HOOD SIZE	(5) INLET SIZE	(6) GRILLE TYPE	(7) GRILLE OPTIONS	(8) MOUNTING TYPE	(9) TRIM TYPE	(10) INSULATION	(11) FINISH	(12) FITTINGS
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1. PRODUCT TYPE

Code	Type
AS1A	AstroHood SI Aluminum
AS1S	AstroHood SI Stainless Steel

2. DAMPER TYPE

E	ESD (STD)
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3. SEAL TYPE

F	Fluid
G	Gasket

4. HOOD SIZE

14	1 x 4 (10-11/16" x 46-11/16")
22	2 x 2 (22-11/16" x 22-11/16")
23	2 x 3 (22-11/16" x 34-11/16")
24	2 x 4 (22-11/16" x 46-11/16")

5. INLET SIZE

08R	8" Round
10R	10" Round
12R	12" Round
14R	14" Round
08S	8" x 8" Square
10S	10" x 10" Square
12S	12" x 12" Square
14S	14" x 14" Square
08R_S	8" Round Side
08S_S	8" Square Side
Ex. 08RSS	8" Round Side (8" round inlet on short side of housing)
	*Long Side is ALWAYS on Hanging Side

6. GRILLE TYPE

PS	Perf SST (STD)
PP	Perf Painted
SS	Swirl SST
SP	Swirl Painted

7. GRILLE OPTIONS

0	Acorn Nuts (STD)
1	Hinged w/ 1/4 Turn Fasteners and Safety Cables

8. MOUNTING TYPE

0	Hanging Tabs
1	Mounting Pads
2	Clean Ceiling Angles 2"
3	Clean Ceiling Angles 3"

9. TRIM TYPE

Code	Type
1	1/2" Permanent Flange
2	1/2" Field Installed SST Flange
3	1-1/2" Field Installed SST Flange
4	1/2" Permanent Flange (316L)
5	1/2" Field Installed SST Flange (316L)
6	1-1/2" Field Installed SST Flange (316L)

10. INSULATION

0	None
1	2" Foilback
2	1" Armaflex

11. FINISH

0	No Finish
1	Power Coated

12. FITTINGS

0	3/8" Female NPT
1	3/8" Colder Fitting Quick Disconnects

APPLICABLE DUCT SIZES

	Hood Size	Duct Size
14	1 x 4	08R/S
22	2 x 2	08R/S 10R/S
23	2 x 3	10R/S 12R/S
24	2 x 4	10R/S 12R/S 14R/S

Example:

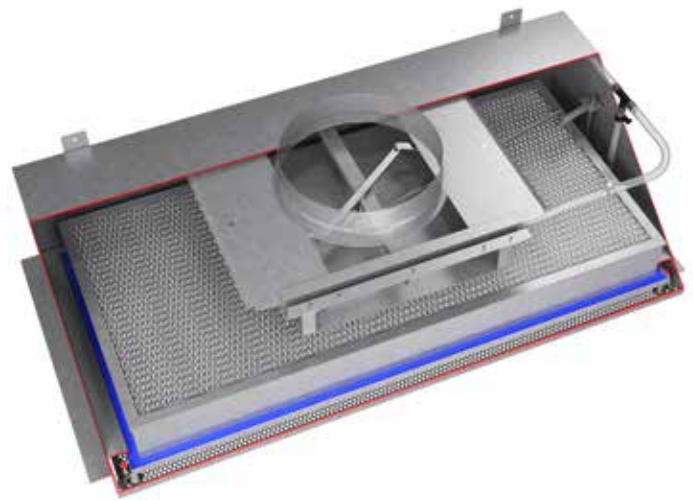
AS1A-EF2210R-PS10-3001

High Purity

AstroHood® S-II

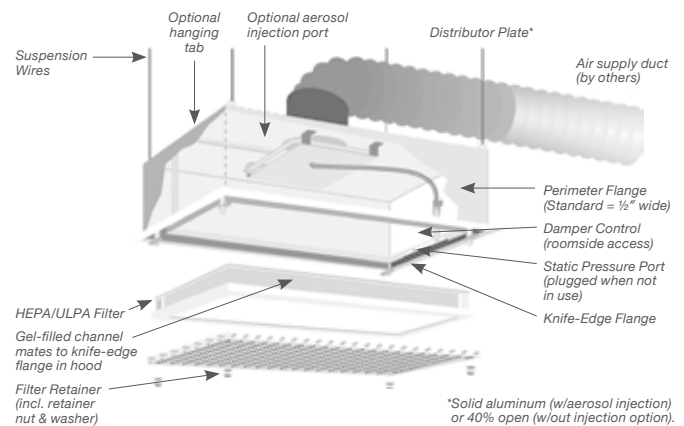
Product Overview

- Roomside replaceable HEPA filter for quick and easy maintenance
- Ideal for pharmaceutical and biotech cleanrooms
- Airflow adjustment and testing also available from roomside
- Easy lay-in installation in a standard tee-bar ceiling
- Continuous seal welding eliminates leak paths and adds strength
- Adaptable for horizontal or exhaust applications
- Gel seal design prevents bypass/leakage
- Lightweight and corrosion resistant housing



Specifications

Available Styles	Duct Collar
Housing Material	Mill Finish Aluminum or Stainless Steel
Available Efficiencies	HEPA, ULPA
Module Type	Hood, Roomside Replaceable Filter
Protective Grill	Expanded Steel, White Powder Coated



Product Information

Modules – Filter Not Included

Model Number	Nominal Size Inches	Actual Size Inches	Module Material	Trim Frame Material	Shipping Wt. Lbs. per Box
AS2A-GF2210R-PS00-3001	24 x 24	22 ¹¹ / ₁₆ x 22 ¹¹ / ₁₆ x 10	Aluminum	Stainless Steel	25
AS2A-GF2410R-PS00-3001	24 x 48	22 ¹¹ / ₁₆ x 46 ¹¹ / ₁₆ x 10	Aluminum	Stainless Steel	35
AS2S-GF2210R-PS00-3001	24 x 24	22 ¹¹ / ₁₆ x 22 ¹¹ / ₁₆ x 10	Stainless Steel	Stainless Steel	25
AS2S-GF2410R-PS00-3001	24 x 48	22 ¹¹ / ₁₆ x 46 ¹¹ / ₁₆ x 10	Stainless Steel	Stainless Steel	35

Dimensions listed do not include trim for installation in ceiling grids. Depths do not include duct collar. Filters with 3" or 4" media packs will require increased depths.

Filters

Part Number	Nominal Size Inches (D x W x H)	Frame Material	Shipping Wt. Lbs.
HEPA Filters – 99.99% on 0.3µm, 2" Deep DimplePleat® Media Pack, Scan Tested			
0-007-2-19-06-SU-52-00-E1286	24 x 24 x 2	Extruded Aluminum	10
0-007-2-19-06-SU-52-00-E1386	24 x 48 x 2	Extruded Aluminum	20
0-007-2-03-06-SU-52-00-E1286	24 x 24 x 2	Stainless Steel	12
0-007-2-03-06-SU-52-00-E1386	24 x 48 x 2	Stainless Steel	24
ULPA Filters – 99.9995% on 0.12µm, DimplePleat® Media Pack, Scan Tested			
0-009-2-19-06-SU-52-00-E1286	24 x 24 x 2	Extruded Aluminum	10
0-009-2-19-06-SU-52-00-E1386	24 x 48 x 2	Extruded Aluminum	20
0-009-2-03-06-SU-52-00-E1286	24 x 24 x 2	Stainless Steel	12
0-009-2-03-06-SU-52-00-E1386	24 x 48 x 2	Stainless Steel	24

High Purity

AstroHood® S-II Style Code

AS2A – E F 22 10R – PS 1 0 – 3 0 0 1

(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12)

(1) PRODUCT TYPE	(2) DAMPER TYPE	(3) SEAL TYPE	(4) HOOD SIZE	(5) INLET SIZE	(6) GRILLE TYPE	(7) GRILLE OPTIONS	(8) MOUNTING TYPE	(9) TRIM TYPE	(10) INSULATION	(11) FINISH	(12) FITTINGS
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1. PRODUCT TYPE

Code	Type
AS2A	AstroHood S-II Aluminum
AS2S	AstroHood S-II Stainless Steel

2. DAMPER TYPE

G	Guillotine (STD)
E	ESD
B	Butterfly

3. SEAL TYPE

F	Fluid
G	Gasket

4. HOOD SIZE

14	1 x 4 (10-11/16" x 46-11/16")
22	2 x 2 (22-11/16" x 22-11/16")
23	2 x 3 (22-11/16" x 34-11/16")
24	2 x 4 (22-11/16" x 46-11/16")

5. INLET SIZE

08R	8" Round
10R	10" Round
12R	12" Round
14R	14" Round
08S	8" x 8" Square
10S	10" x 10" Square
12S	12" x 12" Square
14S	14" x 14" Square
08R_S	8" Round ____ Side
08S_S	8" Square ____ Side
Ex. 08RSS	8" Round Side (8" round inlet on short side of housing)

*Long Side is ALWAYS on Hanging Side

6. GRILLE TYPE

PS	Perf SST (STD)
PP	Perf Painted
SS	Swirl SST
SP	Swirl Painted

7. GRILLE OPTIONS

0	Acorn Nuts (STD)
1	Hinged w/ 1/4 Turn Fasteners and Safety Cables

8. MOUNTING TYPE

0	Hanging Tabs
1	Mounting Pads
2	Clean Ceiling Angles 2"
3	Clean Ceiling Angles 3"

9. TRIM TYPE

Code	Type
1	1/2" Permanent Flange
2	1/2" Field Installed SST Flange
3	1-1/2" Field Installed SST Flange
4	1/2" Permanent Flange (316L)
5	1/2" Field Installed SST Flange (316L)
6	1-1/2" Field Installed SST Flange (316L)

10. INSULATION

0	None
1	2" Foilback
2	1" Armaflex

11. FINISH

0	No Finish
1	Power Coated

12. FITTINGS

0	3/8" Female NPT
1	3/8" Colder Fitting Quick Disconnects

APPLICABLE DUCT SIZES

	Hood Size	Duct Size
14	1 x 4	08R/S
22	2 x 2	08R/S 10R/S
23	2 x 3	10R/S 12R/S
24	2 x 4	10R/S 12R/S 14R/S

Example:

AS2A-EF2210R-PS10-3001

High Purity

ESD RetroFit Kit

Product Overview

- Specifically designed to allow facility maintenance personnel to adapt existing roomside replaceable units with the ESD damper
- Easy installation using hand tools, no extended downtime
- Each kit comes complete with the ESD damper, retrofit jigs and fixtures, hardware, drawings, and a detailed instruction manual
- The ESD damper and adjustment mechanism make it ideal for applications where excellent aerosol and velocity uniformity are required, fine adjustment is desired, and when extremely low static pressure values are sought



Specifications

Available Styles	Duct Collar
Housing Material	Mill Finish Aluminum or Stainless Steel

Product Information

Modules – Filter Not Included

Model Number	Part Number	Nominal Size Inches	Frame Material	Shipping Wt. Lbs. per Box
ESD-RETRO-2x2 AL	E0707266	24 x 24	Aluminum	20
ESD-RETRO-2x4 AL	E0707267	24 x 48	Aluminum	25
ESD-RETRO-2x2 SS	E0707308	24 x 24	Stainless Steel	30
ESD-RETRO-2x4 SS	E0707309	24 x 48	Stainless Steel	35

Filters

Part Number	Nominal Size Inches (H x W x D)	Frame Material	Shipping Wt. Lbs.
HEPA Filters – 99.99% on 0.3µm, 2" Deep DimplePleat® Media Pack, Scan Tested			
0-007-2-19-06-SU-52-00-E1286	24 x 24 x 2	Extruded Aluminum	10
0-007-2-19-06-SU-52-00-E1386	24 x 48 x 2	Extruded Aluminum	20
0-007-2-03-06-SU-52-00-E1286	24 x 24 x 2	Stainless Steel	12
0-007-2-03-06-SU-52-00-E1386	24 x 48 x 2	Stainless Steel	24
ULPA Filters – 99.9995% on 0.12µm, DimplePleat® Media Pack, Scan Tested			
0-009-2-19-06-SU-52-00-E1286	24 x 24 x 2	Extruded Aluminum	10
0-009-2-19-06-SU-52-00-E1386	24 x 48 x 2	Extruded Aluminum	20
0-009-2-03-06-SU-52-00-E1286	24 x 24 x 2	Stainless Steel	12
0-009-2-03-06-SU-52-00-E1386	24 x 48 x 2	Stainless Steel	24

High Purity

AstroHood® S-III

Product Overview

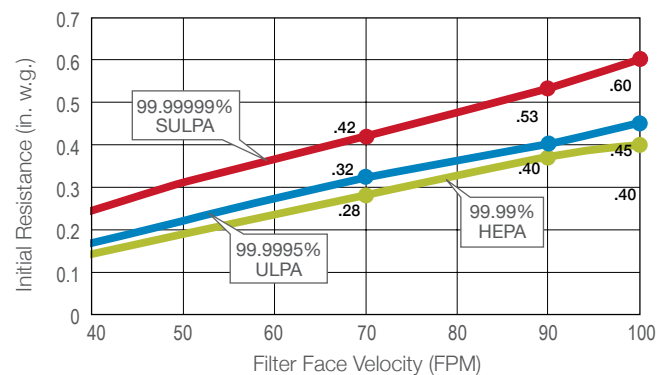
- Disposable HEPA module for a variety of cleanroom applications
- Low-profile and lightweight for easy installation
- Available with up to a 4" media pack for maximum airflow
- Entire unit is factory sealed and individually scan tested to ensure leak-free performance
- Both HEPA and ULPA efficiencies available
- Can be supplied with AstroCel® II or DimplePleat® media packs
- Wide range of additional options available including lighting, insulation, and many more



Specifications

Available Styles	Duct Collar
Housing Material	Anodized Aluminum
Available Efficiencies	HEPA, ULPA
Module Type	Hood, Disposable
Max Operating Temperature	250°F (121°C)
Filter Type	Minipleat; Separatorless or Ribbon Separators

Initial Resistance vs. Filter Face Velocity



Product Information

Model Number	Nominal Size (Inches)	Dimensions (Inches)	Media Pack Depth (Inches)	Damper Type	Rated CFM @ 100 FPM	Initial Resistance at 100 FPM
HEPA - 99.99% Efficient on 0.3um, 1-1/2 T-Bar, Scan Tested, White Painted CRS Faceguard, No Insulation						
AS3G-2-007-B22**-P0	2 x 2	23 ⁵ / ₈ x 23 ⁵ / ₈ x 5 ¹⁷ / ₃₂	2	Butterfly	300	0.57
AS3G-2-007-B23**-P0	2 x 3	23 ⁵ / ₈ x 35 ⁵ / ₈ x 5 ¹⁷ / ₃₂	2	Butterfly	480	0.57
AS3G-2-007-B24**-P0	2 x 4	23 ⁵ / ₈ x 47 ⁵ / ₈ x 5 ¹⁷ / ₃₂	2	Butterfly	660	0.57
AS3G-4-007-B22**-P0	2 x 2	23 ⁵ / ₈ x 23 ⁵ / ₈ x 8 ²⁹ / ₃₂	4	Butterfly	300	0.40
AS3G-4-007-B23**-P0	2 x 3	23 ⁵ / ₈ x 35 ⁵ / ₈ x 8 ²⁹ / ₃₂	4	Butterfly	480	0.40
AS3G-4-007-B24**-P0	2 x 4	23 ⁵ / ₈ x 47 ⁵ / ₈ x 8 ²⁹ / ₃₂	4	Butterfly	660	0.40
ULPA - 99.9995% Efficient on 0.12um, 1-1/2 T-Bar, Scan Tested, White Painted CRS Faceguard, No Insulation						
AS3G-2-009-B22**-P0	2 x 2	23 ⁵ / ₈ x 23 ⁵ / ₈ x 5 ¹⁷ / ₃₂	2	Butterfly	300	0.68
AS3G-2-009-B23**-P0	2 x 3	23 ⁵ / ₈ x 35 ⁵ / ₈ x 5 ¹⁷ / ₃₂	2	Butterfly	480	0.68
AS3G-2-009-B24**-P0	2 x 4	23 ⁵ / ₈ x 47 ⁵ / ₈ x 5 ¹⁷ / ₃₂	2	Butterfly	660	0.68
AS3G-4-009-B22**-P0	2 x 2	23 ⁵ / ₈ x 23 ⁵ / ₈ x 8 ²⁹ / ₃₂	4	Butterfly	300	0.45
AS3G-4-009-B23**-P0	2 x 3	23 ⁵ / ₈ x 35 ⁵ / ₈ x 8 ²⁹ / ₃₂	4	Butterfly	480	0.45
AS3G-4-009-B24**-P0	2 x 4	23 ⁵ / ₈ x 47 ⁵ / ₈ x 8 ²⁹ / ₃₂	4	Butterfly	660	0.45

Replace (**) with inlet size, for example, '12' for the 12" inlet collar.

Additional damper types and knife-edge configuration available as standard offering.

Additional sizes available upon request.

High Purity

AstroHood® S-III Style Code

AS3G - 2 - 007 - B 24 10 - P 0

(1) (2) (3) (4) (5) (6) (7) (8)

(1) PRODUCT TYPE	(2) PACK HEIGHT	(3) FILTER EFFICIENCY	(4) DAMPER TYPE	(5) HOOD SIZE	(6) INLET SIZE	(7) GRILLE TYPE	(8) INSULATION
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1. PRODUCT TYPE

Code	Type
AS3G	AstroHood S-III for Gasket Grid
AS3K	AstroHood S-III with 3/4" Knife-Edge for Gel Grid

2. PACK HEIGHT

2	2" Pack Height
4	4" Pack Height

3. FILTER EFFICIENCY

007	99.99% on 0.3 µm
008	99.999% on 0.3 µm
009	99.9995% on 0.12 µm
012	99.99999% on 0.12 µm

4. DAMPER TYPE

B	Butterfly
T	Telescoping Disc
N	None

5. HOOD SIZE

22	2 x 2 (23-5/8" x 23-5/8")
23	2 x 3 (23-5/8" x 35-5/8")
24	2 x 4 (23-5/8" x 47-5/8")

6. INLET SIZE

Code	Type
08	8" Round – 2 x 2 only
10	10" Round – 2 x 2, 2 x 3, 2 x 4
12	12" Round – 2 x 3 and 2 x 4 only
14	14" Round – 2 x 4 only

7. GRILLE TYPE

P	Painted Expanded CRS
S	40% Perf. Stainless Steel (316L)
A	40% Anodized Aluminum

8. INSULATION

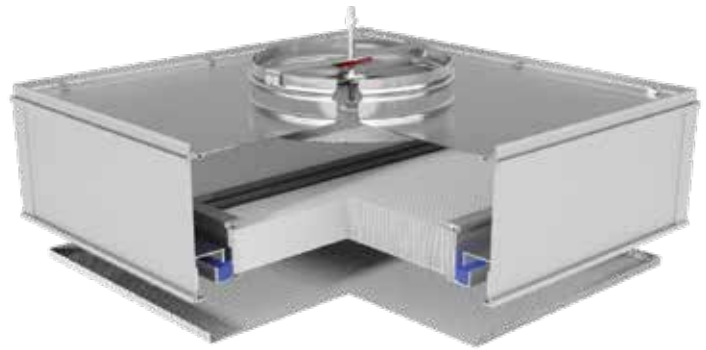
0	None
1	2" Foil Back Glass (Top & Sides)
2	2" Foil Back Glass (Top Only)

Example:

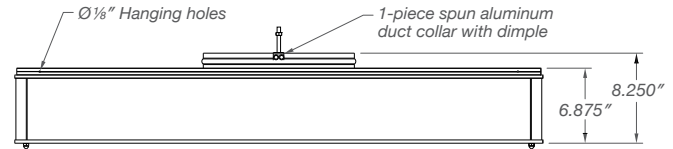
AS3G-2-007-B2410-P0

High Purity**AstroHood® S-III (RSR)****Product Overview**

- Roomsider replaceable HEPA filter for quick and easy maintenance
- Lightweight, low profile design
- Airflow adjustment and testing also available from roomsider
- Gel and knife-edge construction styles available to ensure leak-free operation

**Specifications**

Available Styles	Duct Collar
Housing Material	Anodized Aluminum
Available Efficiencies	HEPA, ULPA
Module Type	Hood, Roomsider Replaceable Filter
Protective Grill	Expanded Steel, White Powder Coated

**Product Information**

Model Number	Overall Size Inches	T-Bar Type Inches	Weight Lbs.	Baffle Type	Design Airflow (CFM)	Unit Resistance (w.g.)	
						HEPA	ULPA
AS3R-BF2210-P00	23½ x 23½ x 8¼	1½	25	Butterfly	400	0.67	0.78
AS3R-BF2310-P00	23½ x 35½ x 8¼	1½	30	Butterfly	600	0.67	0.78
AS3R-BF2410-P00	23½ x 47½ x 8¼	1½	40	Butterfly	800	0.67	0.78
AS3R-TF2210-P00	23½ x 23½ x 8¼	1½	25	Adjustable Perf. Disk	400	0.67	0.78
AS3R-TF2310-P00	23½ x 35½ x 8¼	1½	30	Adjustable Perf. Disk	600	0.67	0.78
AS3R-TF2410-P00	23½ x 47½ x 8¼	1½	40	Adjustable Perf. Disk	800	0.67	0.78
AS3R-NF2210-P00	23½ x 23½ x 8¼	1½	25	Fixed Perf. Disk	400	0.67	0.78
AS3R-NF2310-P00	23½ x 35½ x 8¼	1½	30	Fixed Perf. Disk	600	0.67	0.78
AS3R-NF2410-P00	23½ x 47½ x 8¼	1½	40	Fixed Perf. Disk	800	0.67	0.78

Replacement Filters

Model Number	Overall Size Inches	Efficiency	Baffle Type
0-007-2-19-06-SU-52-00-21A21A	21 x 21 x 2 ¹⁷ / ₃₂	HEPA	Fixed
0-007-2-19-06-SU-52-00-21A33A	21 x 33 x 2 ¹⁷ / ₃₂	HEPA	Fixed
0-007-2-19-06-SU-52-00-21A45A	21 x 45 x 2 ¹⁷ / ₃₂	HEPA	Fixed
0-007-2-19-06-SU-52-00-20J20J	20½ x 20½ x 2 ¹⁷ / ₃₂	HEPA	Fixed
0-009-2-19-06-SU-52-00-21A21A	21 x 21 x 2 ¹⁷ / ₃₂	ULPA	Fixed
0-009-2-19-06-SU-52-00-20J20J	20½ x 20½ x 2 ¹⁷ / ₃₂	ULPA	Fixed
E-007-2-19-06-SU-52-00-21A21A	21 x 21 x 2 ¹⁷ / ₃₂	HEPA	Adj./Butterfly
E-007-2-19-06-SU-52-00-20J20J	20½ x 20½ x 2 ¹⁷ / ₃₂	HEPA	Adj./Butterfly
E-009-2-19-06-SU-52-00-21A21A	21 x 21 x 2 ¹⁷ / ₃₂	ULPA	Adj./Butterfly
E-009-2-19-06-SU-52-00-20J20J	20½ x 20½ x 2 ¹⁷ / ₃₂	ULPA	Adj./Butterfly

High Purity

AstroHood® S-III (RSR) Style Code

AS3R - B F 22 10 - S 0 0

(1) (2) (3) (4) (5) (6) (7) (8)

(1) PRODUCT TYPE	(2) DAMPER TYPE	(3) SEAL TYPE	(4) HOOD SIZE	(5) INLET SIZE	(6) GRILLE TYPE	(7) INSULATION	(8) FINISH
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1. PRODUCT TYPE

Code	Type
AS3R	AstroHood S-III Extruded Aluminum

2. DAMPER TYPE

B	Butterfly
T	Telescoping Perforated Disk
N	None

3. SEAL TYPE

F	Fluid
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4. HOOD SIZE

22	2 x 2 (23-5/8" x 23-5/8")
23	2 x 3 (23-5/8" x 35-5/8")
24	2 x 4 (23-5/8" x 47-5/8")

5. INLET SIZE

08	8" Round
10	10" Round
12	12" Round
14	14" Round

6. GRILLE TYPE

S	40% Perf Stainless Steel (316L)
P	40% Perf Painted CRS

7. INSULATION

0	None
1	2" Foil back glass (Top & Sides)
2	2" Foil back glass (Top Only)

8. FINISH

0	No Finish
1	Powder paint coated (white)

APPLICABLE DUCT SIZE

	Hood Size	Duct Size
22	2 x 2	08", 10"
23	2 x 3	10", 12"
24	2 x 4	10", 12", 14"

Example:

AS3R-BF2210-S00

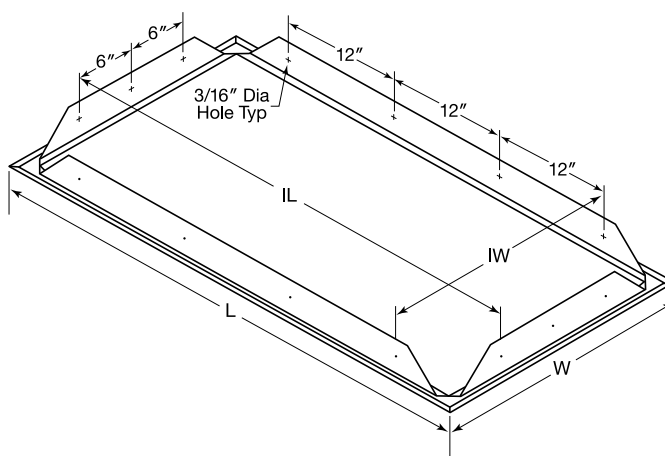
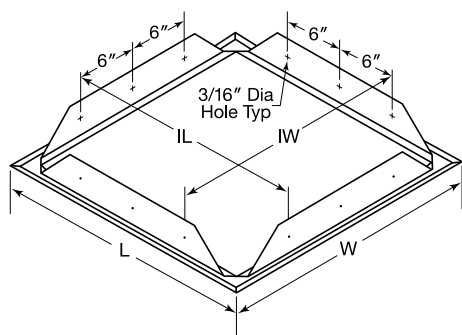
High Purity**PermaFrame™****Product Overview**

- Used to mount ducted or fan-powered terminal modules in a hard ceiling application, such as sheet rock or plasterboard
- Ideal for biotech facilities that require frequent wash-down of the cleanroom, as well as isolation hospital rooms where HEPA-type filtration is frequently required
- Heavy-duty construction
- Powder coated washable surface
- Welded corners
- Requires no gasketing

**Product Information**

Model Number	Actual Dimensions (inches)				Weight (lbs.)
	L	W	Inside Length	Inside Width	
HCFA 2424	26	26	24	24	4
HCFA 2448	50	26	48	24	6

Construction – 18-gauge cold rolled steel or 304 stainless steel

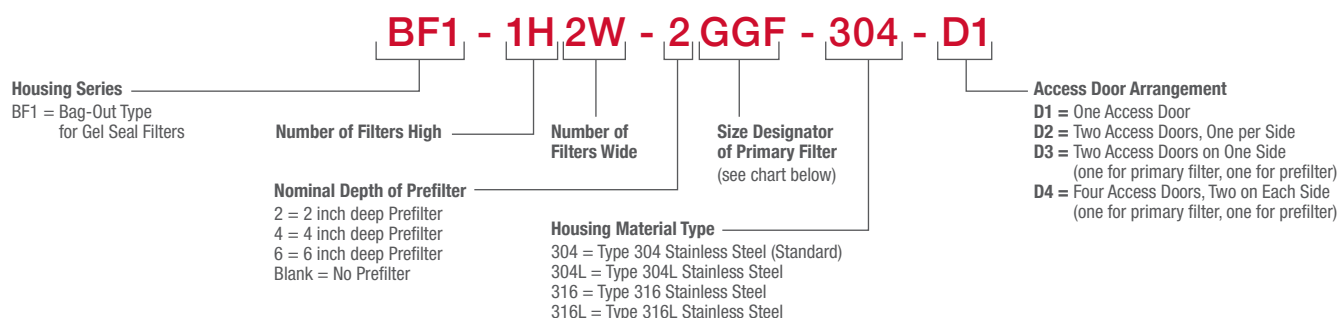


High Purity

AstroSafe® BF-Series Gel Seal Bag-In/Bag-Out Housings

Product Overview

- Designed to accommodate both standard gel seal HEPA filters and carbon adsorbers
- Guaranteed to pass DOP and Freon in-place tests
- Side access bag-in/bag-out port that allows contaminated filters and carbon adsorbers to be removed without direct contact



Product Information

Part Number	Height (in.)	Width (in.)	Depth (in.)	Weight (Lbs.)
BF1-1H1W-2/4/6CC-304-D1*	18	15	14	60
BF1-1H1W-2/4/6CG-304-D1*	18	27	14	70
BF1-1H1W-2/4/6GC-304-D1*	30	15	14	80
BF1-1H1W-2/4/6GG-304-D1*	30	27	14	90
BF1-1H2W-GGF/12-304-D1	30	51	25	205
BF1-1H2W-GG16-304-D1	30	51	32½	225
BF1-1H2W-GG18-304-D1	30	51	32½	235
BF1-1H2W-2/4/6GGF/12-304-D1	30	51	33½	220
BF1-1H2W-2/4/6GG16-304-D1	30	51	41	240
BF1-1H2W-2/4/6GG18-304-D1	30	51	41	250
BF1-1H2W-2/4/6GGF/12-304-D3	30	51	37½	275
BF1-1H2W-2/4/6GG16-304-D3	30	51	45¼	295
BF1-1H2W-2/4/6GG18-304-D3	30	51	45¼	300
BF1-1H2W-2/4/6GG-304-D1*	30	51	14	120
BF1-1H3W-GGF/12-304-D1	30	75	25	265
BF1-1H3W-GG16-304-D1	30	75	32½	290
BF1-1H3W-GG18-304-D1	30	75	32½	300
BF1-1H3W-2/4/6GGF/12-304-D1	30	75	33½	280
BF1-1H3W-2/4/6GG16-304-D1	30	75	41	305
BF1-1H3W-2GG18-304-D1	30	75	41	320
BF1-1H3W-2/4/6GGF/12-304-D3	30	75	37½	350
BF1-1H3W-2/4/6GG16-304-D3	30	75	45¼	375
BF1-1H3W-2/4/6GG18-304-D3	30	75	45¼	390
BF1-1H3W-2/4/6GG-304-D1*	30	75	14	150

*These housings are designed to accommodate prefilters only.

Filter Size Designator (HEPA Filters and Carbon Adsorbers)

Actual Filter Dimensions are Listed

HEPA Filters

¹CCD 12 x 12 x 5½

¹CCF 12 x 12 x 11½

¹CGF 12 x 24 x 11½

¹GCF 24 x 12 x 11½

¹GCF 24 x 24 x 11½

¹GGF 24 x 24 x 11½

Carbon Adsorbers

¹CC6 12 x 12 x 5½

¹CC12 12 x 12 x 11½

¹CG12 12 x 24 x 11½

¹GC12 24 x 12 x 11½

¹GG12 24 x 24 x 11½

¹CG16 12 x 24 x 16

¹GC16 24 x 12 x 16

¹GG16 24 x 24 x 16

¹GG18 24 x 24 x 18

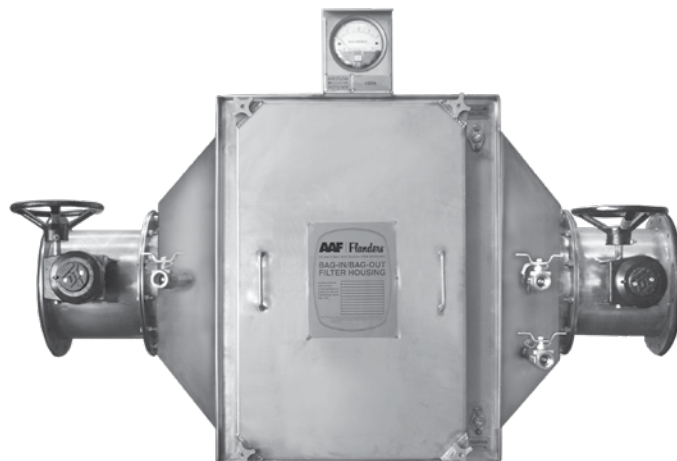
¹Insert 2, 4, or 6 to indicate 2", 4", or 6" prefilter track.

High Purity

AstroSafe® BG-Series Gasket Seal Bag-In/Bag-Out Housings

Product Overview

- Side servicing filter housing designed for gasket seal filters
- Minimizing exposure to harmful contamination, this housing incorporates a ribbed bagging ring behind the access door, over which a PVC bag is attached
- Manufactured under stringent quality assurance controls



BG1 - 1H2W - 2 GGF - 304 - D1

Housing Series
BG1 = Bag-Out Type
for Gasket Seal Filters

Number of Filters High

Nominal Depth of Prefilter
2 = 2 inch deep Prefilter
4 = 4 inch deep Prefilter
6 = 6 inch deep Prefilter
Blank = No Prefilter

**Number of
Filters Wide**

Housing Material Type
304 = Type 304 Stainless Steel (Standard)
304L = Type 304L Stainless Steel
316 = Type 316 Stainless Steel
316L = Type 316L Stainless Steel

**Size Designator
of Primary Filter**
(see chart below)

Access Door Arrangement

D1 = One Access Door
D2 = Two Access Doors, One per Side
D3 = Two Access Doors on One Side
(one for primary filter, one for prefilter)
D4 = Four Access Doors, Two on Each Side
(one for primary filter, one for prefilter)

Product Information

Part Number	Height (in.)	Width (in.)	Depth (in.)	Weight (Lbs.)
BG1-1H1W-2/4/6CC-304-D1*	18	15	14	60
BG1-1H1W-2/4/6CG-304-D1*	18	27	14	70
BG1-1H1W-2/4/6GC-304-D1*	30	15	14	80
BG1-1H1W-2/4/6GG-304-D1*	30	27	14	90
BG1-1H2W-GGF/12-304-D1	30	51	23	205
BG1-1H2W-GG16-304-D1	30	51	27½	225
BG1-1H2W-GG18-304-D1	30	51	29½	235
BG1-1H2W-2GGF/12-304-D1	30	51	26	220
BG1-1H2W-2GG16-304-D1	30	51	20½	240
BG1-1H2W-2GG18-304-D1	30	51	32½	250
BG1-1H2W-2/4/6GGF/12-304-D3	30	51	35¾	275
BG1-1H2W-2/4/6GG16-304-D3	30	51	40¼	295
BG1-1H2W-2/4/6GG18-304-D3	30	51	42¼	300
BG1-1H2W-2/4/6GG-304-D1*	30	51	14	120
BG1-1H3W-GGF/12-304-D1	30	75	23	265
BG1-1H3W-GG16-304-D1	30	75	27½	290
BG1-1H3W-GG18-304-D1	30	75	29½	300
BG1-1H3W-2GGF/12-304-D1	30	75	26	280
BG1-1H3W-2GG16-304-D1	30	75	30½	305
BG1-1H3W-2GG18-304-D1	30	75	32½	320
BG1-1H3W-2/4/6GGF/12-304-D3	30	75	35¾	350
BG1-1H3W-2/4/6GG16-304-D3	30	75	40¼	375
BG1-1H3W-2/4/6GG18-304-D3	30	75	42¼	390
BG1-1H3W-2/4/6GG-304-D1*	30	75	14	150

*These housings are designed to accommodate prefilters only.

Part Number	Height (in.)	Width (in.)	Depth (in.)	Weight (Lbs.)
BG1-1H1W-CCD/6-304-D1**	18	15	17¾	75
BG1-1H1W-CCF/12-304-D1	18	15	23	85
BG1-1H1W-CGF/12-304-D1	18	27	23	100
BG1-1H1W-CG16-304-D1	18	27	27½	115
BG1-1H1W-GCF/12-304-D1	30	15	23	120
BG1-1H1W-GC16-304-D1	30	15	27½	140
BG1-1H1W-GGF/12-304-D1***	30	27	23	145
BG1-1H1W-GG16-304-D1	30	27	27½	160
BG1-1H1W-GG18-304-D1	30	27	29½	165
BG1-1H1W-2CCF/12-304-D1	18	15	26	90
BG1-1H1W-2CGF/12-304-D1	18	27	26	115
BG1-1H1W-2CG16-304-D1	18	27	30½	125
BG1-1H1W-2GCF/12-304-D1	30	15	26	130
BG1-1H1W-2GC16-304-D1	30	15	30½	145
BG1-1H1W-2GGF/12-304-D1	30	27	26	155
BG1-1H1W-2GG16-304-D1	30	27	30½	170
BG1-1H1W-2GG18-304-D1	30	27	32½	175
BG1-1H1W-2/4/6CCF/12-304-D3	18	15	35¾	115
BG1-1H1W-2/4/6CGF/12-304-D3	18	27	35¾	145
BG1-1H1W-2/4/6GGF/12-304-D3	30	15	35¾	160
BG1-1H1W-2/4/6GC16-304-D3	30	15	40¼	170
BG1-1H1W-2/4/6GGF/12-304-D3	30	27	35¾	185
BG1-1H1W-2/4/6GG16-304-D3	30	27	40¼	205
BG1-1H1W-2/4/6GG18-304-D3	30	27	42¼	210

**The D/6 in this model number represents the following model numbers:

BG1-1H1W-CCD-304-D1 to contain a HEPA filter

BG1-1H1W-CC6-304-D1 to contain a Carbon Adsorber

***The F/12 in this model number represents the following model numbers:

BG1-1H1W-GGF-304-D1 to contain a HEPA filter

BG1-1H1W-GG12-304-D1 to contain a Carbon Adsorber

Note: For multi-high housings, just add the height dimension as needed.

Filter Size Designator
(HEPA Filters and Carbon Adsorbers)

Actual Filter Dimensions are Listed

HEPA Filters

†CCD 12 x 12 x 5½

†CCF 12 x 12 x 11½

†CGF 12 x 24 x 11½

†GCF 24 x 12 x 11½

†GGF 24 x 24 x 11½

Carbon Adsorbers

†CC6 12 x 12 x 5½

†CC12 12 x 12 x 11½

†CG12 12 x 24 x 11½

†GC12 24 x 12 x 11½

†GG12 24 x 24 x 11½

†GC16 12 x 24 x 16

†GC16 24 x 12 x 16

†GG16 24 x 24 x 16

†GG18 24 x 24 x 18

†Insert 2, 4, or 6 to indicate

2", 4", or 6" prefilter track.

High Purity**AstroSafe® G-Series Single Filter Housings****Product Overview**

- Allows a single filter element (prefilter, HEPA filter, or gas adsorber) to be installed in a low CFM ventilation system
- Designed so that housing can be tested in place
- Accommodates various arrangements of inlet and outlet ports
- Filter-to-housing fluid seal is created by means of a continuous knife-edge in the housing

**G1F - GGF - 304****Housing Series/Type**

G1F = Bag-Out Gel Seal
 G1G = Bag-Out Gasket Seal
 (for non-bag-out applications,
 delete bags and straps)

Housing Material Type

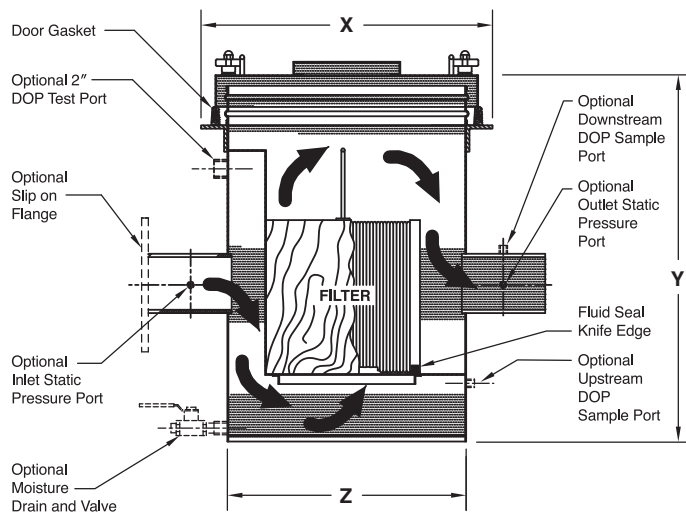
304 = Type 304 Stainless Steel (Standard)
 304L = Type 304L Stainless Steel
 316 = Type 316 Stainless Steel
 316L = Type 316L Stainless Steel

Filter Size

(see chart below)

Product Information

Part Number	Filter Size	Housing Dimensions (Inches)			Filter Dimensions	Rated Capacity
		X	Y	Z	Inches (H x W x D)	(CFM)
Filters						
G1F-CCD-304	CCD	22⅞	24	18⅞	12 x 12 x 5⅞	105
G1F-CCF-304	CCF	22⅞	24	18⅞	12 x 12 x 11½	160
G1F-GGD-304	GGD	40⅞	24	36⅞	24 x 24 x 5⅞	500
G1F-GGF-304	GGF	40⅞	24	36⅞	24 x 24 x 11½	1000
Adsorbers						
G1F-CC12-304	CC12	22⅞	24	18⅞	12 x 12 x 12¼	165
G1F-GG12-304	GG12	40⅞	24	36⅞	24 x 24 x 12¼	1000
G1F-GG16-304	GG16	40⅞	28	36⅞	24 x 24 x 16¾	1000
G1F-GG18-304	GG18	40⅞	28	36⅞	24 x 24 x 18¾	1250



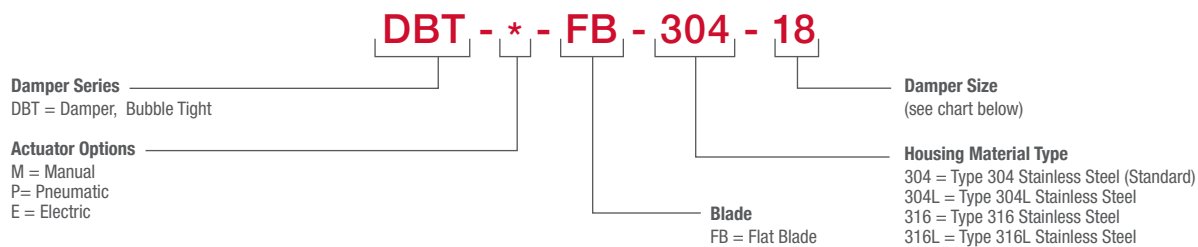
AstroSafe® is a registered trademark of AAF International in the U.S. and other countries.

High Purity

AstroSafe® Isolation Dampers

Product Overview

- Effective shut off and isolation of one or more tiers of filters
- Cost effective isolation of filter banks
- Special requirements may be satisfied through custom design

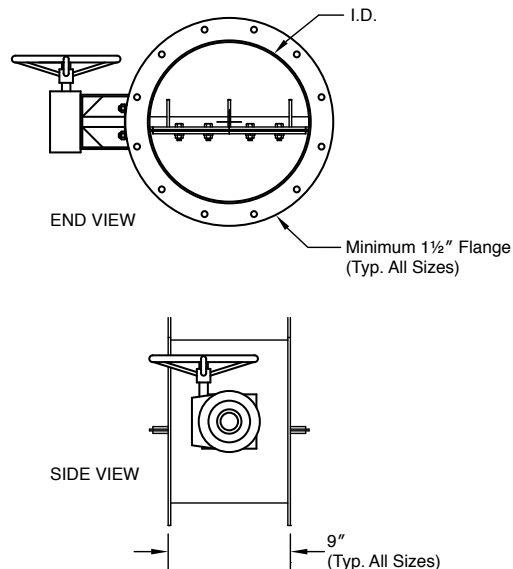


Product Information

Part Number	ID (Inches)	Diameter of Bolt Circle (Inches)	Number of Bolt Holes
DBT*-FB-304-6	5 $\frac{3}{4}$	8 $\frac{1}{16}$	8
DBT*-FB-304-8	7 $\frac{3}{4}$	10 $\frac{1}{16}$	8
DBT*-FB-304-10	9 $\frac{3}{4}$	12 $\frac{1}{16}$	12
DBT*-FB-304-12	11 $\frac{3}{4}$	14 $\frac{1}{16}$	12
DBT*-FB-304-14	13 $\frac{3}{4}$	16 $\frac{1}{16}$	16
DBT*-FB-304-16	15 $\frac{3}{4}$	18 $\frac{1}{16}$	16
DBT*-FB-304-18	17 $\frac{3}{4}$	20 $\frac{1}{16}$	16
DBT*-FB-304-20	19 $\frac{3}{4}$	22 $\frac{1}{16}$	20
DBT*-FB-304-22	21 $\frac{3}{4}$	24 $\frac{1}{16}$	20
DBT*-FB-304-24	23 $\frac{3}{4}$	26 $\frac{1}{16}$	24
DBT*-FB-304-26	25 $\frac{3}{4}$	28 $\frac{1}{16}$	24
DBT*-FB-304-28	27 $\frac{3}{4}$	30 $\frac{1}{16}$	24
DBT*-FB-304-30	29 $\frac{3}{4}$	32 $\frac{1}{16}$	28
DBT*-FB-304-32	31 $\frac{3}{4}$	34 $\frac{1}{16}$	28
DBT*-FB-304-34	33 $\frac{3}{4}$	36 $\frac{1}{16}$	32
DBT*-FB-304-36	35 $\frac{3}{4}$	38 $\frac{1}{16}$	32

*Type of Actuator.

Note: Dimensions shown are AAF Flanders standard.
AAF Flanders can manufacture dampers to custom fit any existing ductwork.
Static pressure through open dampers is negligible with reasonable velocities.



High Purity

AstroSafe® KF-Series Gel Seal Non-Bag-In/Bag-Out Housings

Product Overview

- High efficiency filtration, side servicing filter housing
- Designed to give user maximum quality and performance in a non-bag-in/bag-out configuration
- Guaranteed to pass DOP and Freon in-place tests



KF1 - 1H 2W - 2 GGF - 304 - D1

Housing Series
KF1 = Non-Bag-Out Type
for Gasket Seal Filters

Number of Filters High

Nominal Depth of Prefilter
2 = 2 inch deep Prefilter
4 = 4 inch deep Prefilter
6 = 6 inch deep Prefilter
Blank = No Prefilter

Number of Filters Wide

Size Designator of Primary Filter
(see chart below)

Housing Material Type
304 = Type 304 Stainless Steel (Standard)
304L = Type 304L Stainless Steel
316 = Type 316 Stainless Steel
316L = Type 316L Stainless Steel

Access Door Arrangement
D1 = One Access Door
D2 = Two Access Doors, One per Side
D3 = Two Access Doors on One Side
(one for primary filter, one for prefilter)
D4 = Four Access Doors, Two on Each Side
(one for primary filter, one for prefilter)

Product Information

Part Number	Height (in.)	Width (in.)	Depth (in.)	Weight (Lbs.)
KF1-1H1W-2/4/6CC-304-D1*	18	15	14	50
KF1-1H1W-2/4/6CG-304-D1*	18	27	14	60
KF1-1H1W-2/4/6GC-304-D1*	30	15	14	70
KF1-1H1W-2/4/6GG-304-D1*	30	27	14	80
KF1-1H2W-GGF/12-304-D1	30	51	25	200
KF1-1H2W-GG16-304-D1	30	51	32 $\frac{5}{8}$	220
KF1-1H2W-GG18-304-D1	30	51	32 $\frac{5}{8}$	225
KF1-1H2W-2/4/6GGF/12-304-D1	30	51	33 $\frac{3}{4}$	255
KF1-1H2W-2/4/6GG16-304-D1	30	51	41	275
KF1-1H2W-2/4/6GG18-304-D1	30	51	41	285
KF1-1H2W-2/4/6GGF/12-304-D3	30	51	37 $\frac{1}{2}$	275
KF1-1H2W-2/4/6GG16-304-D3	30	51	45 $\frac{1}{4}$	295
KF1-1H2W-2/4/6GG18-304-D3	30	51	45 $\frac{1}{4}$	305
KF1-1H2W-2/4/6GG-304-D1*	30	51	14	100
KF1-1H3W-GGF/12-304-D1	30	75	25	265
KF1-1H3W-GG16-304-D1	30	75	32 $\frac{5}{8}$	290
KF1-1H3W-GG18-304-D1	30	75	32 $\frac{5}{8}$	300
KF1-1H3W-2/4/6GGF/12-304-D1	30	75	33 $\frac{3}{4}$	325
KF1-1H3W-2/4/6GG16-304-D1	30	75	41	350
KF1-1H3W-2/4/6GG18-304-D1	30	75	41	365
KF1-1H3W-2/4/6GG/12-304-D3	30	75	37 $\frac{1}{2}$	360
KF1-1H3W-2/4/6GG16-304-D3	30	75	45 $\frac{1}{4}$	385
KF1-1H3W-2/4/6GG18-304-D3	30	75	45 $\frac{1}{4}$	395
KF1-1H3W-2/4/6GG-304-D1*	30	75	14	120

*These housings are designed to accommodate prefilters only.

Part Number	Height (in.)	Width (in.)	Depth (in.)	Weight (Lbs.)
KF1-1H1W-CCD/6-304-D1**	18	15	19 $\frac{5}{8}$	60
KF1-1H1W-CCF/12-304-D1	18	15	25	75
KF1-1H1W-CGF/12-304-D1	18	27	25	100
KF1-1H1W-CG16-304-D1	18	27	32 $\frac{5}{8}$	110
KF1-1H1W-GCF/12-304-D1	30	15	25	105
KF1-1H1W-GC16-304-D1	30	15	32 $\frac{5}{8}$	115
KF1-1H1W-GGF/12-304-D1***	30	27	25	135
KF1-1H1W-GG16-304-D1	30	27	32 $\frac{5}{8}$	150
KF1-1H1W-GG18-304-D1	30	27	32 $\frac{5}{8}$	155
KF1-1H1W-2/4/6CCF/12-304-D1	18	15	33 $\frac{3}{4}$	105
KF1-1H1W-2/4/6CGF/12-304-D1	18	27	33 $\frac{3}{4}$	140
KF1-1H1W-2/4/6CG16-304-D1	18	27	41	150
KF1-1H1W-2/4/6GCF/12-304-D1	30	15	33 $\frac{3}{4}$	140
KF1-1H1W-2/4/6GCF16-304-D1	30	15	41	155
KF1-1H1W-2/4/6GGF/12-304-D1	30	27	33 $\frac{3}{4}$	175
KF1-1H1W-2/4/6GG16-304-D1	30	27	41	195
KF1-1H1W-2/4/6GG18-304-D1	30	27	41	200
KF1-1H1W-2/4/6CCF/12-304-D3	18	15	37 $\frac{1}{2}$	110
KF1-1H1W-2/4/6CGF/12-304-D3	18	27	37 $\frac{1}{2}$	150
KF1-1H1W-2/4/6CG16-304-D3	18	27	45 $\frac{1}{4}$	165
KF1-1H1W-2/4/6GCF/12-304-D3	30	15	37 $\frac{1}{2}$	150
KF1-1H1W-2/4/6GC16-304-D3	30	15	45 $\frac{1}{4}$	265
KF1-1H1W-2/4/6GGF/12-304-D3	30	27	37 $\frac{1}{2}$	190
KF1-1H1W-2/4/6GG16-304-D3	30	27	45 $\frac{1}{4}$	205
KF1-1H1W-2/4/6GG18-304-D3	30	27	45 $\frac{1}{4}$	210

**The D/6 in this model number represents the following model numbers:
KF1-1H1W-CCD-304-D1 to contain a HEPA filter
KF1-1H1W-CC6-304-D1 to contain a Carbon Adsorber

***The F/12 in this model number represents the following model numbers:
KF1-1H1W-GGF-304-D1 to contain a HEPA filter
KF1-1H1W-GG12-304-D1 to contain a Carbon Adsorber

Note: For multi-high housings, just add the height dimension as needed.

Filter Size Designator
(HEPA Filters and Carbon Adsorbers)

Actual Filter Dimensions are Listed

HEPA Filters

†CCD 12 x 12 x 5 $\frac{5}{8}$

†CCF 12 x 12 x 11 $\frac{1}{2}$

†CGF 12 x 24 x 11 $\frac{1}{2}$

†GCF 24 x 12 x 11 $\frac{1}{2}$

†GGF 24 x 24 x 11 $\frac{1}{2}$

Carbon Adsorbers

†CC6 12 x 12 x 5 $\frac{5}{8}$

†CC12 12 x 12 x 11 $\frac{1}{2}$

†CG12 12 x 24 x 11 $\frac{1}{2}$

†GC12 24 x 12 x 11 $\frac{1}{2}$

†GG12 24 x 24 x 11 $\frac{1}{2}$

†CG16 12 x 24 x 16

†GC16 24 x 12 x 16

†GG16 24 x 24 x 16

†GG18 24 x 24 x 18

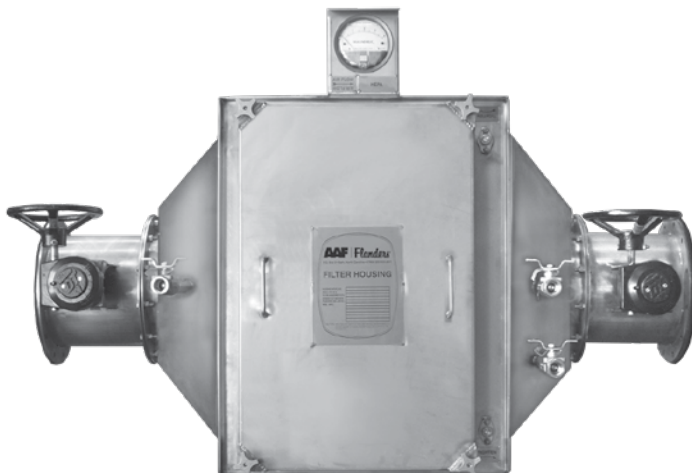
†Insert 2, 4, or 6 to indicate 2", 4", or 6" prefilter track.

High Purity

AstroSafe® KG-Series Gasket Seal Non-Bag-In/Bag-Out Housings

Product Overview

- High efficiency side servicing filter housing
- Non-bag-in/bag-out configuration
- Designed for gasket seal primary filters



KG1 - 1H 2W - 2 GGF - 304 - D1

Housing Series
KF1 = Non-Bag-Out Type
for Gasket Seal Filters

Number of Filters High

Nominal Depth of Prefilter
2 = 2 inch deep Prefilter
4 = 4 inch deep Prefilter
6 = 6 inch deep Prefilter
Blank = No Prefilter

Number of Filters Wide

Size Designator of Primary Filter
(see chart below)

Housing Material Type
304 = Type 304 Stainless Steel (Standard)
304L = Type 304L Stainless Steel
316 = Type 316 Stainless Steel
316L = Type 316L Stainless Steel

Access Door Arrangement

D1 = One Access Door
D2 = Two Access Doors, One per Side
D3 = Two Access Doors on One Side
(one for primary filter, one for prefilter)
D4 = Four Access Doors, Two on Each Side
(one for primary filter, one for prefilter)

Product Information

Part Number	Height (in.)	Width (in.)	Depth (in.)	Weight (Lbs.)
KG1-1H1W-2/4/6CC-304-D1*	18	15	14	50
KG1-1H1W-2/4/6CG-304-D1*	18	27	14	60
KG1-1H1W-2/4/6GC-304-D1*	30	15	14	70
KG1-1H1W-2/4/6GG-304-D1*	30	27	14	80
KG1-1H2W-GGF/12-304-D1	30	51	23	200
KG1-1H2W-GG16-304-D1	30	51	27½	220
KG1-1H2W-GG18-304-D1	30	51	29½	225
KG1-1H2W-2/4/6GGF/12-304-D1	30	51	31	255
KG1-1H2W-2/4/6GG16-304-D1	30	51	35½	275
KG1-1H2W-2/4/6GG18-304-D1	30	51	37½	285
KG1-1H2W-2/4/6GGF/12-304-D3	30	51	36¼	275
KG1-1H2W-2/4/6GG16-304-D3	30	51	40¾	295
KG1-1H2W-2/4/6GG18-304-D3	30	51	42¾	305
KG1-1H2W-2/4/6GG-304-D1*	30	51	14	100
KG1-1H3W-GGF/12-304-D1	30	75	23	265
KG1-1H3W-GG16-304-D1	30	75	27½	290
KG1-1H3W-GG18-304-D1	30	75	29½	300
KG1-1H3W-2/4/6GGF/12-304-D1	30	75	31	325
KG1-1H3W-2/4/6GG16-304-D1	30	75	35½	350
KG1-1H3W-2/4/6GG18-304-D1	30	75	37½	365
KG1-1H3W-2/4/6GG/12-304-D3	30	75	36½	360
KG1-1H3W-2/4/6GG16-304-D3	30	75	40¾	385
KG1-1H3W-2/4/6GG18-304-D3	30	75	42¾	395
KG1-1H3W-2/4/6GG-304-D1*	30	75	14	120

*These housings are designed to accommodate prefilters only.

Part Number	Height (in.)	Width (in.)	Depth (in.)	Weight (Lbs.)
KG1-1H1W-CCD/6-304-D1**	18	15	17¾	60
KG1-1H1W-CCF/12-304-D1	18	15	23	75
KG1-1H1W-CGF/12-304-D1	18	27	23	100
KG1-1H1W-CG16-304-D1	18	27	27½	110
KG1-1H1W-GCF/12-304-D1	30	15	23	105
KG1-1H1W-GC16-304-D1	30	15	27½	115
KG1-1H1W-GGF/12-304-D1***	30	27	23	135
KG1-1H1W-GG16-304-D1	30	27	27½	150
KG1-1H1W-GG18-304-D1	30	27	29½	155
KG1-1H1W-2/4/6CCF/12-304-D1	18	15	31	105
KG1-1H1W-2/4/6CGF/12-304-D1	18	27	31	140
KG1-1H1W-2/4/6CG16-304-D1	18	27	35½	150
KG1-1H1W-2/4/6GCF/12-304-D1	30	15	31	140
KG1-1H1W-2/4/6GC16-304-D1	30	15	35½	155
KG1-1H1W-2/4/6GGF/12-304-D1	30	27	31	175
KG1-1H1W-2/4/6GG16-304-D1	30	27	35½	195
KG1-1H1W-2/4/6GG18-304-D1	30	27	37½	200
KG1-1H1W-2/4/6CCF/12-304-D3	18	15	36¼	110
KG1-1H1W-2/4/6CGF/12-304-D3	18	27	36¼	150
KG1-1H1W-2/4/6GC16-304-D3	18	27	40¾	165
KG1-1H1W-2/4/6GCF/12-304-D3	30	15	36¼	150
KG1-1H1W-2/4/6GC16-304-D3	30	15	40¾	265
KG1-1H1W-2/4/6GGF/12-304-D3	30	27	36¼	190
KG1-1H1W-2/4/6GG16-304-D3	30	27	40¾	205
KG1-1H1W-2/4/6GG18-304-D3	30	27	42¾	210

**The D/6 in this model number represents the following model numbers:

KG1-1H1W-CCD-304-D1 to contain a HEPA filter
KG1-1H1W-CC6-304-D1 to contain a Carbon Adsorber

***The F/12 in this model number represents the following model numbers:

KG1-1H1W-GGF-304-D1 to contain a HEPA filter
KG1-1H1W-GG12-304-D1 to contain a Carbon Adsorber

Note: For multi-high housings, just add the height dimension as needed.

Filter Size Designator
(HEPA Filters and Carbon Adsorbers)

Actual Filter Dimensions are Listed

HEPA Filters

†CCD 12 x 12 x 5½

†CCF 12 x 12 x 11½

†CGF 12 x 24 x 11½

†GCF 24 x 12 x 11½

†GGF 24 x 24 x 11½

Carbon Adsorbers

†CC6 12 x 12 x 5½

†CC12 12 x 12 x 11½

†CG12 12 x 24 x 11½

†GC12 24 x 12 x 11½

†GG12 24 x 24 x 11½

†CG16 12 x 24 x 16

†GG16 24 x 12 x 16

†GG16 24 x 24 x 16

†GG18 24 x 24 x 18

†Insert 2, 4, or 6 to indicate 2", 4", or 6" prefilter track.