

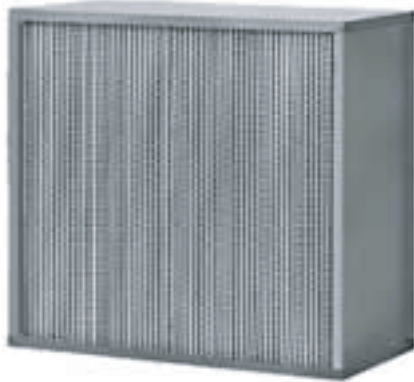


Filtera
12999 Murphy Road, Suite I-1
Stafford, Texas 77477-3948

281.933.1100 Phone
888.933.0100 Toll Free Phone
281.933.1159 Fax

www.Filtera.com
info@Filtera.com

HEPA Filters



**Choose From
Three Efficiencies:**

99.99 %

99.97 %

95.00 %

HEPA efficiencies are based
on a .30 micron particle size

APPLICATIONS

These HEPA filters are designed to meet exact specifications in high efficiency commercial or industrial applications. These filters are used where a high degree of cleanliness is required and contaminants must be removed to protect health, products and building interiors. These filters are ideal in a variety of applications including: hospitals, manufacturing plants, microelectronic component assembly, negative air machines, biological hoods and food processing environments.

GLASS MICROFIBER MEDIA

Gently pleated glass microfiber media is separated with rolled edged aluminum separators to offer open air flow and to stabilize the media pack.

STANDARD FEATURES AND OPTIONS

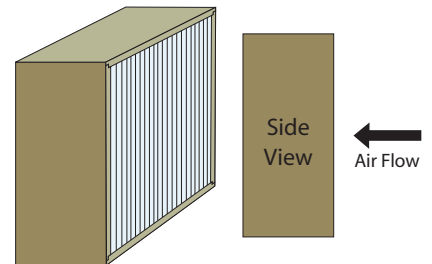
Frames are available in either 3/4 inch high density particleboard or 18 and 26 gauge galvanized metal. An external neoprene gasket is standard. A rubber based two-part fire-retarding sealer bonds the media and separators to the interior of the frame. Headers are available on metal frame filters. Optional expanded metal face guards are also available. High capacity and turbine style filters are available. These filters are rated to withstand temperatures at a continuous 180 degrees Fahrenheit. Higher temperature models are available. Each filter is packed a heavy-duty carton to help protect the filter from damage during transit.

UL CLASSIFICATION

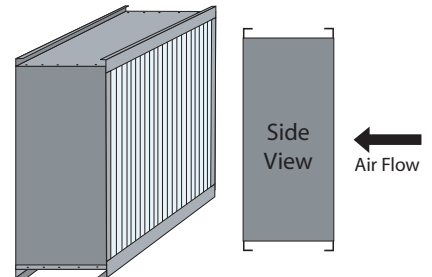
Rated Class 2 under U.L. Standard 900.

Available Configurations

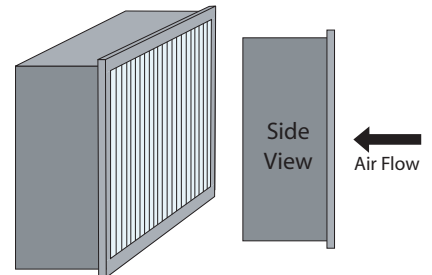
Wood Box



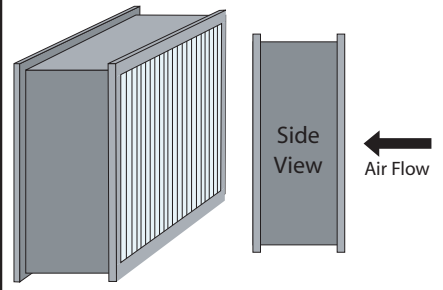
Metal Box - with double turned flange



Metal Box - with single header



Metal Box - with double header



Prices and specifications are subject to change without notice. All sales are made subject to the terms and conditions contained in the Filtera, Statement of Business Policy, as revised from time to time, a current copy of which is available upon request.

Additional Information: HEPA Filters

FEATURES: These HEPA grade air filters are designed for high efficiency commercial and industrial applications. HEPA efficiency ranges include: 95%, 99.97% and 99.99% all based on a .30-micron size particle. These HEPA filters are produced in a wide range of sizes, frame types and header combinations and are ideal for converting or upgrading existing systems. As an option, High Capacity filter models are also available for higher velocity applications and incorporate more media area for lower resistance.

CONSTRUCTION: These HEPA filters shall be manufactured with high efficiency glass microfiber media that is gently pleated to form the media pack. Rolled edge aluminum separators are inserted between each pleat to provide an extensive open-area for airflow and to stabilize the media pack. A heavy-duty galvanized metal frame or particleboard frame shall encapsulate the media pack. A self-extinguishing adhesive shall completely bond the media pack inside the filter frame to prevent air bypass. An external neoprene gasket is standard on the filter. Each filter is packaged into a heavy-duty carton to help protect the filter from damage.

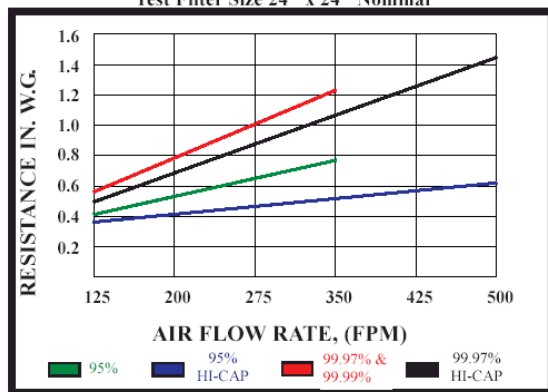
APPLICATIONS: The HEPA filter is designed for use where a high degree of cleanliness is required and contaminants must be removed to protect health, products or building interiors. The filters are ideal in a variety of applications including: hospitals, manufacturing plants, microelectronics component assembly, negative air machines, biological hoods and food processing.

OPTIONS: As an option, and upon request, 95% and 99.97% filters can be tested for leaks based on a near-monodispersed .30-micron size particle. Each 99.99% filter is tested for leaks based on a near-monodispersed .30-micron size particle. An optional expanded metal wire lath face guard can be placed on air entry and/or the air leaving sides of the filter.

SPECIFICATIONS: The frame shall be made of a rigid high-density 3/4" particleboard or 18 gauge galvanized metal, (26 gauge galvanized metal frame is used for the 95% filter). A 26 gauge galvanized steel header is available on the metal frame filters. The media shall be constructed of a water resistant, inorganic glass microfiber. For quality assurance, the glass microfiber media rolls are randomly tested and certified to meet minimum efficiency requirements by the media manufacturer. The media pack shall consist of a continuous sheet of the pleated glass microfiber. The pleated media pack is separated with multiple rolled edge corrugated aluminum separators. The media cartridge shall be sealed with a fire retarding, rubber base, two-part sealant that bonds the media and separators to the interior of the frame. A 1/4" thick closed cell neoprene gasket shall be applied on the filter. The filter shall be rated to withstand temperatures at a continuous 180° Fahrenheit. The 95%, 99.97% and 99.99% filters shall be rated Class 2 under U. L. Std. 900.

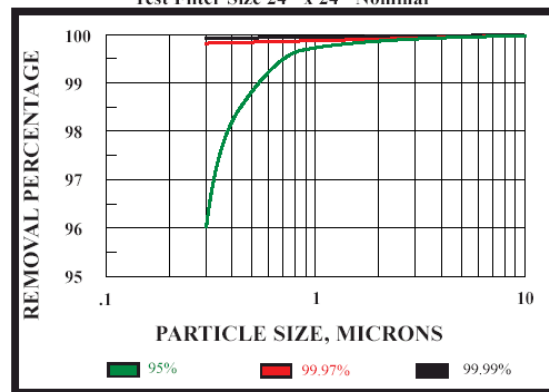
STANDARD PRESSURE DROP

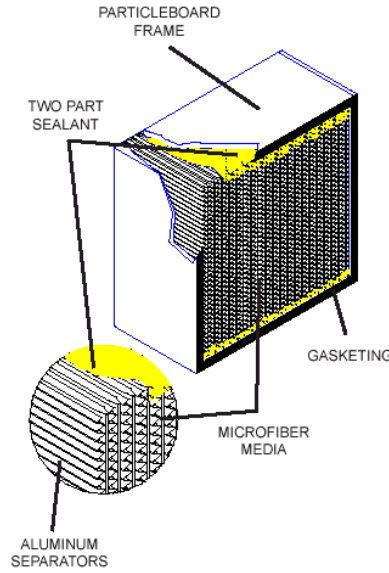
Test Filter Size 24" x 24" Nominal



MINIMUM PARTICLE SIZE EFFICIENCY

Test Filter Size 24" x 24" Nominal





HEPA 95%													
Size H x W x D Nominal	Size H x W x D Exact	Rated Velocity FPM Standard	Rated Velocity FPM Hi-Cap	Initial Resistance In. W.G. Standard	Initial Resistance In. W.G. Hi-Cap	Media Square Feet Standard	Media Square Feet Hi-Cap	Size H x W x D MM	Rated Velocity M/H Standard	Rated Velocity M/H Hi-Cap	Initial Resistance Pascals Standard	Initial Resistance Pascals Hi-Cap	
8 x 8 x 6	8 x 8 x 5-7/8	175	-	.50"	-	13.06	-	203 x 203 x 149	3202.5	-	124.4	-	
12 x 12 x 6	12 x 12 x 5-7/8	175	-	.50"	-	29.75	-	305 x 305 x 149	3202.5	-	124.4	-	
12 x 24 x 6	12 x 24 x 5-7/8	175	-	.50"	-	58.75	-	305 x 610 x 149	3202.5	-	124.4	-	
18 x 24 x 6	18 x 24 x 5-7/8	175	-	.50"	-	88.13	-	457 x 610 x 149	3202.5	-	124.4	-	
24 x 24 x 6	24 x 24 x 5-7/8	175	-	.50"	-	117.5	-	610 x 610 x 149	3202.5	-	124.4	-	
24 x 30 x 6	24 x 30 x 5-7/8	175	-	.50"	-	146.88	-	610 x 762 x 149	3202.5	-	124.4	-	
24 x 36 x 6	24 x 36 x 5-7/8	175	-	.50"	-	176	-	610 x 914 x 149	3202.5	-	124.4	-	
24 x 48 x 6	24 x 48 x 5-7/8	175	-	.50"	-	235	-	610 x 1219 x 149	3202.5	-	124.4	-	
12 x 12 x 12	12 x 12 x 11-1/2	275	500	.50"	.60"	57.5	69	305 x 305 x 292	5032.5	9150	124.4	149.3	
12 x 24 x 12	11-3/8 x 23-3/8 x 11-1/2	275	500	.50"	.60"	106.17	127.4	289 x 594 x 292	5032.5	9150	124.4	149.3	
12 x 24 x 12	12 x 24 x 11-1/2	275	500	.50"	.60"	115	138	305 x 610 x 292	5032.5	9150	124.4	149.3	
18 x 24 x 12	18 x 24 x 11-1/2	275	500	.50"	.60"	172.5	207	457 x 610 x 292	5032.5	9150	124.4	149.3	
24 x 24 x 12	23-3/8 x 23-3/8 x 11-1/2	275	500	.50"	.60"	218.18	261.82	594 x 594 x 292	5032.5	9150	124.4	149.3	
24 x 24 x 12	24 x 24 x 11-1/2	275	500	.50"	.60"	230	276	610 x 610 x 292	5032.5	9150	124.4	149.3	
24 x 30 x 12	24 x 30 x 11-1/2	275	500	.50"	.60"	287.5	345	610 x 762 x 292	5032.5	9150	124.4	149.3	

HEPA 99.97% & 99.99%													
Size H x W x D Nominal	Size H x W x D Exact	Rated Velocity FPM Standard	Rated Velocity FPM Hi-Cap	Initial Resistance In. W.G. Standard	Initial Resistance In. W.G. Hi-Cap	Media Square Feet Standard	Media Square Feet Hi-Cap	Size H x W x D MM	Rated Velocity M/H Standard	Rated Velocity M/H Hi-Cap	Initial Resistance Pascals Standard	Initial Resistance Pascals Hi-Cap	
8 x 8 x 6	8 x 8 x 5-7/8	175	-	1.0"	-	13.06	-	203 x 203 x 149	3202.5	-	248.8	-	
12 x 12 x 6	12 x 12 x 5-7/8	175	-	1.0"	-	29.78	-	305 x 305 x 149	3202.5	-	248.8	-	
12 x 24 x 6	12 x 24 x 5-7/8	175	-	1.0"	-	58.75	-	305 x 610 x 149	3202.5	-	248.8	-	
18 x 18 x 6	18 x 18 x 5-7/8	175	-	1.0"	-	66.09	-	457 x 457 x 149	3202.5	-	248.8	-	
18 x 24 x 6	18 x 24 x 5-7/8	175	-	1.0"	-	88.13	-	457 x 610 x 149	3202.5	-	248.8	-	
24 x 24 x 6	24 x 24 x 5-7/8	175	-	1.0"	-	117.5	-	610 x 610 x 149	3202.5	-	248.8	-	
24 x 30 x 6	24 x 30 x 5-7/8	175	-	1.0"	-	146.8	-	610 x 762 x 149	3202.5	-	248.8	-	
24 x 36 x 6	24 x 36 x 5-7/8	175	-	1.0"	-	176	-	610 x 914 x 149	3202.5	-	248.8	-	
24 x 48 x 6	24 x 48 x 5-7/8	175	-	1.0"	-	235	-	610 x 1219 x 19	3202.5	-	248.8	-	
24 x 60 x 6	24 x 60 x 5-7/8	175	-	1.0"	-	293.75	-	610 x 1524 x 149	3202.5	-	248.8	-	
24 x 72 x 6	24 x 72 x 5-7/8	175	-	1.0"	-	352.5	-	610 x 1829 x 149	3202.5	-	248.8	-	
30 x 24 x 6	30 x 24 x 5-7/8	175	-	1.0"	-	146.88	-	762 x 610 x 149	3202.5	-	248.8	-	
30 x 30 x 6	30 x 30 x 5-7/8	175	-	1.0"	-	183.59	-	762 x 762 x 149	3202.5	-	248.8	-	
30 x 36 x 6	30 x 36 x 5-7/8	175	-	1.0"	-	220.3	-	762 x 914 x 149	3202.5	-	248.8	-	
30 x 48 x 6	30 x 48 x 5-7/8	175	-	1.0"	-	293.75	-	762 x 1219 x 149	3202.5	-	248.8	-	
30 x 60 x 6	30 x 60 x 5-7/8	175	-	1.0"	-	367.19	-	762 x 1524 x 149	3202.5	-	248.8	-	
30 x 72 x 6	30 x 72 x 5-7/8	175	-	1.0"	-	440.6	-	762 x 1829 x 149	3202.5	-	248.8	-	
36 x 24 x 6	36 x 24 x 5-7/8	175	-	1.0"	-	176.25	-	914 x 610 x 149	3202.5	-	248.8	-	
36 x 30 x 6	36 x 30 x 5-7/8	175	-	1.0"	-	220.3	-	914 x 762 x 149	3202.5	-	248.8	-	
36 x 36 x 6	36 x 36 x 5-7/8	175	-	1.0"	-	264.4	-	914 x 914 x 149	3202.5	-	248.8	-	
36 x 48 x 6	36 x 48 x 5-7/8	175	-	1.0"	-	352.5	-	914 x 1219 x 149	3202.5	-	248.8	-	
36 x 60 x 6	36 x 60 x 5-7/8	175	-	1.0"	-	440.6	-	914 x 1524 x 149	3202.5	-	248.8	-	
36 x 72 x 6	36 x 72 x 5-7/8	175	-	1.0"	-	528.75	-	914 x 1829 x 149	3202.5	-	248.8	-	
12 x 12 x 12	12 x 12 x 11-1/2	275	500	1.0"	1.45"	57.5	69	305 x 305 x 292	5032.5	9150	248.8	360.6	
12 x 24 x 12	11-3/8 x 23-3/8 x 11-1/2	275	500	1.0"	1.45"	106.17	127.4	289 x 594 x 292	5032.5	9150	248.8	360.6	
12 x 24 x 12	12 x 24 x 11-1/2	275	500	1.0"	1.45"	115	138	305 x 610 x 292	5032.5	9150	248.8	360.6	
18 x 24 x 12	18 x 24 x 11-1/2	275	500	1.0"	1.45"	172.5	207	457 x 610 x 292	5032.5	9150	248.8	360.6	
24 x 24 x 12	23-3/8 x 23-3/8 x 11-1/2	275	500	1.0"	1.45"	218.18	261.82	594 x 594 x 292	5032.5	9150	248.8	360.6	
24 x 24 x 12	24 x 24 x 11-1/2	275	500	1.0"	1.45"	230	276	610 x 610 x 292	5032.5	9150	248.8	360.6	
24 x 30 x 12	24 x 30 x 11-1/2	275	500	1.0"	1.45"	287.5	345	610 x 762 x 292	5032.5	9150	248.8	360.6	

Tolerances shall be +/- 1/16" for height and width. The frame depth shall not exceed 5-7/8" and 11-1/2". Hi Capacity contains 20% more media.