

Research Products Corporation EZ Kleen Air Filter & Kleen Gard Grease Filter



Made to your specifications, for greater flexibility in your equipment design.

Precision, high quality custom filters can be flat, domed, or circular and can be produced in various thicknesses to meet your specific requirements for size, shape and performance. Aluminum is the primary material for our filter construction and other materials can be incorporated in order to meet your exact specifications. Specialists are available to consult with you regarding your specific filter needs. Please explore the product links to the left to learn more.

Features & Benefits

Flexibility in Shape and Size

Circular and rectangular as well as other shapes are available and can be formed in a variety of sizes. Filters as long as 80" (2032 mm) and as narrow as 1 3/4" (44.5 mm) can be produced. This can expand your choice of other component parts, facilitate design arrangements or create a more compact unit. In addition to custom-designed filters, a selection of standard sizes is available in 1" (25 mm) and 2" (51 mm) nominal thicknesses for immediate shipment.

Low Resistance

Because of the unique baffle pattern, EZ Kleen filters have a low initial resistance and their ability to depth-load rather than surface-load, a very gradual resistance build-up results, increasing the service life of the filter.

Versatility in Performance

Because of the wide assortment of filter types, shapes and sizes for many air cleaning applications, a wide variety of performance characteristics can be achieved. A pre-filter for an electronic air cleaner, for example, requires excellent lint removing capabilities, a filter for a fan coil unit requires good average arrestance on airborne dust and dirt removal.

High Efficiency Grease Removal

Light weight, strong aluminum grease filters for residential and commercial kitchen exhaust systems are available in a variety of sizes. Grease filters for commercial kitchen applications are available in a mesh type and a baffle type. All commercial EZ Kleen and Kleen-Gard Grease Filters trap up to 98% of grease and foreign matter.

Washable

The use of aluminum prevents rust and corrosion yet allows easy washing. Because they can be washed as required, the possibility of a decrease in performance level of equipment is significantly reduced.

Long Range Economy

The washable feature and aluminum construction of the permanent-type filters provide better performance over long periods of time. In addition, they are competitively priced to save you even more.

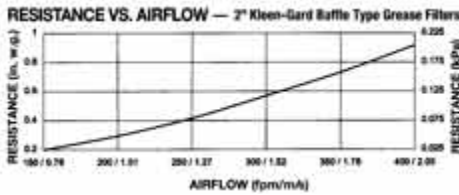
Kleen-Gard® Baffle Type Grease Filters

To reduce fire hazards while promoting kitchen sanitation, self-draining Kleen-Gard® Grease Filters are the perfect choice. Heavy duty aluminum or stainless steel construction and unique design give these baffle- type filters highly-effective flame arrestor capabilities with a 94% (tested at 300 fpm) average grease-removing efficiency.

- Stainless steel provides added durability and corrosion resistance.
- Promotes sanitation by removing grease from the air flowing through filters and draining it safely away.
- Prevents spread of range-top fires.
- Kleen-Gard is UL classified and meets requirements of NFPA Standard 96 when properly installed.
- Protects blower equipment and prolongs motor life.
- Gleaming aluminum or stainless steel construction is attractive, easy to install, just remove and wash.
- Round baffles eliminate the need for handles.

TECHNICAL DATA

Aluminum Stock No.	Stainless Steel Stock No.	Nominal Size H x W x D	Actual Dimensions (Inches) Perimeter Tolerance $\pm 1/16"$ Thickness Tolerance $\pm 1/32"$	Actual Dimensions (mm) Perimeter Tolerance ± 1.6 Thickness Tolerance ± 0.8	Filtering Area Ft ²
951	961	20 x 25 x 2"	19-5/8 x 24-5/8 x 1-7/8"	498.5 x 625.5 x 47.6	2.85
952	962	20 x 20 x 2"	19-5/8 x 19-5/8 x 1-7/8"	498.5 x 498.5 x 47.6	2.23
953	963	16 x 25 x 2"	15-5/8 x 24-5/8 x 1-7/8"	396.9 x 625.5 x 47.6	2.22
954	964	16 x 20 x 2"	15-5/8 x 19-5/8 x 1-7/8"	396.9 x 498.5 x 47.6	1.73
956	966	10 x 20 x 2"	9-5/8 x 19-5/8 x 1-7/8"	244.5 x 498.5 x 47.6	0.99
957	967	16 x 16 x 2"	15-5/8 x 15-5/8 x 1-7/8"	396.9 x 396.9 x 47.6	1.35
958	968	25 x 20 x 2"	24-5/8 x 19-5/8 x 1-7/8"	625.5 x 498.5 x 47.6	2.85

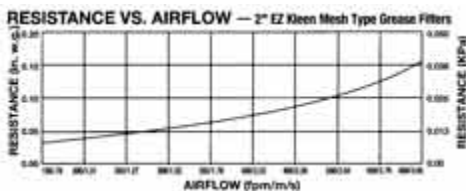


Kitchen Exhaust System Design Guide

Our expert guide -- [Design of Grease Filter Equipped Kitchen Exhaust Systems](#) -- provides an instructive view of the benefits and methods of incorporating grease filters into your kitchen exhaust system designs. Click on the title to download or view.

EZ Kleen Mesh Type Grease Filters

EZ Kleen Filters for residential range hoods are also available. In addition to the all-aluminum design, there filters are also available in charcoal. A wide range of filter pad configurations are available to meet your performance requirements.



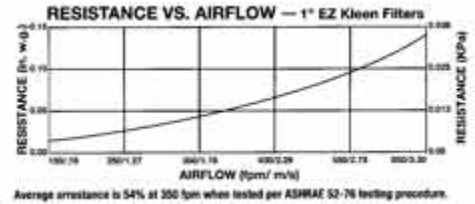
EZ KLEEN AIR FILTERS

Research Product's EZ Kleen® Air Filters are known for providing remarkably effective filtration which makes them the perfect match for today's sophisticated heating, cooling and combination units.

- Delivers high overall performance at varying velocities up to 650 fpm.
- Bonded aluminum media provides strength and durability.
- Meets UL Class 2 filter requirements.
- Water soluble Super Filter Coat® Adhesive simplifies washing process.
- Unique baffle design provides high dust holding capacity for longer service life and increased overall performance.

TECHNICAL DATA

Stock No.	Nominal Size	Actual Dimensions (Inches) Perimeter Tolerance ±1/16" Thickness Tolerance ±1/32"	Actual Dimensions (mm) Perimeter Tolerance ±1.6 Thickness Tolerance ±.8	Filtering Area Ft ²
9801	20 x 25 x 1"	19-5/8 x 24-5/8 x 7/8"	498.5 x 625.5 x 22.2	2.98
9802	20 x 20 x 1"	19-5/8 x 19-5/8 x 7/8"	498.5 x 498.5 x 22.2	2.34
9803	16 x 25 x 1"	15-5/8 x 24-5/8 x 7/8"	396.9 x 625.5 x 22.2	2.33
9804	16 x 20 x 1"	15-5/8 x 19-5/8 x 7/8"	396.9 x 498.5 x 22.2	1.83
9805	15 x 20 x 1"	14-5/8 x 19-5/8 x 7/8"	371.5 x 498.5 x 22.2	1.71
9806	10 x 20 x 1"	9-5/8 x 19-5/8 x 7/8"	244.5 x 498.5 x 22.2	1.07



Performance

3/32", 3/8", & 1/2"	At 350 fpm (1.78 m/s)
Average Resistance	64%
Clean Resistance	.06" w.c. (1.52 mm w.g.)
Dust-Holding Capacity	44 gms/ft ² (474 gms/m ²)

Performance

1" (25 mm) & 3/32" (2.4 mm)	At 350 fpm (1.78 m/s)	At 520 fpm (2.64 m/s)
Average Resistance	54%	48%
Clean Resistance	.045" w.c. (1.14 mm w.g.)	.09" w.c. (2.2 mm w.g.)
Dust-Holding Capacity	95 gms/ft ² (1023 gms/m ²)	67 gms/ft ² (721 gms/m ²)

Nominal Thickness	Actual Thickness	Flange Width
1/2" (12.7 mm)	15/32 ± 1/32" (11.9 mm ± .79 mm)	7/16" ± 1/32" (11.1 mm ± .79 mm)
3/8" (9.5 mm)	11/32 ± 1/32" (8.7 mm ± .79 mm)	7/16" ± 1/32" (11.1 mm ± .79 mm)
3/32" ± 1/32" - 0 (2.4 mm ± .79 - 0 mm)	3/32" ± 1/32" - 0 (2.4 mm ± .79 - 0 mm)	1/2" ± 1/32" (12.7 mm ± .79 mm)

Nominal Thickness	Actual Thickness	Flange Width
1" (25.4 mm)	7/8" ± 1/32" (22.2 mm ± .79 mm)	5/8" ± 1/32" (15.9 mm ± .79 mm)
3/32" (2.4 mm ± .79 - 0 mm)	3/32" ± 1/32" - 0 (2.4 mm ± .79 - 0 mm)	1/2" ± 1/32" (12.7 mm ± .79 mm)

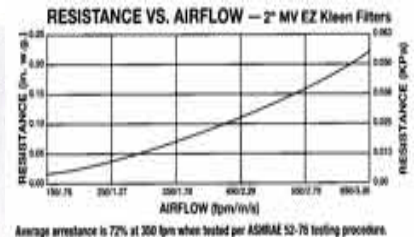
MV EZ KLEEN AIR FILTERS

Today's residential and commercial heating/cooling combination installations require the higher velocity capabilities of Research Product's MV EZ Kleen® Air Filters.

- Superior dust holding capacity means longer life, improved equipment protection.
- Ideal for use in compact equipment.
- Staggered multi-layered slit and expanded aluminum sheets form thousands of highly effective dust and dirt holding baffles.
- Web-Lok® frame design assures extra rigidity and durability.
- Easy washing.
- Meets UL Class 2 filter requirements.

TECHNICAL DATA

Stock No.	Nominal Size	Actual Dimensions (Inches) Perimeter Tolerance ±1/16" Thickness Tolerance +0, -1/16"	Actual Dimensions (mm) Perimeter Tolerance ±1.6 Thickness Tolerance +0, -1.6	Filtering Area Ft ²
9151	20 x 25 x 2"	19-5/8 x 24-5/8 x 1-7/8"	498.5 x 625.5 x 47.6	2.88
9152	20 x 20 x 2"	19-5/8 x 19-5/8 x 1-7/8"	498.5 x 498.5 x 47.6	2.25
9153	16 x 25 x 2"	15-5/8 x 24-5/8 x 1-7/8"	396.9 x 625.5 x 47.6	2.24
9154	16 x 20 x 2"	15-5/8 x 19-5/8 x 1-7/8"	396.9 x 498.5 x 47.6	1.75
9155	15 x 20 x 2"	14-5/8 x 19-5/8 x 1-7/8"	371.5 x 498.5 x 47.6	1.63
9156	10 x 20 x 2"	9-5/8 x 19-5/8 x 1-7/8"	244.5 x 498.5 x 47.6	1.00
9157	24 x 24 x 2"	23-5/8 x 23-5/8 x 1-7/8"	600.1 x 600.1 x 47.6	3.36



Performance		
	At 350 fpm (1.78 m/s)	At 520 fpm (2.64 m/s)
Average Arrestance	72%	68%
Clean Resistance	.07" w.c. (1.78 mm w.g.)	.14" w.c. (3.56 mm w.g.)
Dust-Holding Capacity	130 gm/ft ² (1399 gm/m ²)	91 gm/ft ² (980 gm/m ²)

Nominal Thickness	Actual Thickness	Flange Width
2" (51 mm)	1.718" +0 - .016" (47.6 mm +0 - 1.6 mm)	13.116" ± .032" (26.6 mm ± .79 mm)

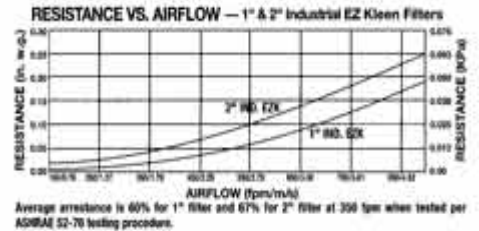
INDUSTRIAL EZ KLEEN AIR FILTERS

Research Product's Industrial Air Filters are ideal for use in large commercial and industrial HVAC installations.

- Offers longer service with optimum dirt and dust-trapping performance.
- Easy to handle. Easy to clean.
- Available in all standard sizes plus wide range of special sizes.
- Exclusive Web-Lok® aluminum frame provides extra strength for extended service.
- Rustproof, corrosion-resistant filter media.
- Easy to install and maintain.
- Meets UL Class 2 filter requirements.
- Handles up to 900 fpm.

TECHNICAL DATA

Stock No.	Nominal Size	Actual Dimensions (Inches)		Actual Dimensions (mm)		Filtering Area Ft ²
		Perimeter Tolerance ±1/16"	Thickness Tolerance ±1/32"	Perimeter Tolerance ±1.6	Thickness Tolerance ±.8	
901	20 x 25 x 2"	19-5/8 x 24-5/8 x 1-7/8"	19-5/8 x 24-5/8 x 1-7/8"	498.5 x 625.5 x 47.6	498.5 x 625.5 x 47.6	2.86
902	20 x 20 x 2"	19-5/8 x 19-5/8 x 1-7/8"	19-5/8 x 19-5/8 x 1-7/8"	498.5 x 498.5 x 47.6	498.5 x 498.5 x 47.6	2.24
903	16 x 25 x 2"	15-5/8 x 24-5/8 x 1-7/8"	15-5/8 x 24-5/8 x 1-7/8"	396.9 x 625.5 x 47.6	396.9 x 625.5 x 47.6	2.22
904	16 x 20 x 2"	15-5/8 x 19-5/8 x 1-7/8"	15-5/8 x 19-5/8 x 1-7/8"	396.9 x 498.5 x 47.6	396.9 x 498.5 x 47.6	1.74
905	15 x 20 x 2"	14-5/8 x 19-5/8 x 1-7/8"	14-5/8 x 19-5/8 x 1-7/8"	371.5 x 498.5 x 47.6	371.5 x 498.5 x 47.6	1.61
906	10 x 20 x 2"	9-5/8 x 19-5/8 x 1-7/8"	9-5/8 x 19-5/8 x 1-7/8"	244.5 x 498.5 x 47.6	244.5 x 498.5 x 47.6	1.00



Performance		
	At 350 fpm (1.78 m/s)	At 520 fpm (2.64 m/s)
Average Arrestance	67%	64%
Clean Resistance	.05" w.c. (1.27 mm w.g.)	.10" w.c. (2.54 mm w.g.)
Dust-Holding Capacity	143 gm/ft ² (1539 gm/m ²)	117 gm/ft ² (1259 gm/m ²)

Nominal Thickness	Actual Thickness	Flange Width
2" (51 mm)	1.718" +0 - .016" (47.6 mm +0 - 1.6 mm)	13.116" ± .032" (26.6 mm ± .79 mm)

RP SUPER FILTER COAT RENEWS OPTIMUM FILTER PERFORMANCE

The long-lasting air filters described in this folder will maintain their initial efficiency with periodic applications of RP Super Filter Coat after cleaning.

After a period of use, dirt, lint and the original water soluble adhesive coating are easily removed by simply flushing the filter in a stream of water.

A new, easily-applied coating of RP Super Filter Coat then restores the filter's superior performance qualities. RP Super Filter Coat Adhesive:

- Helps trap dirt, dust and pollen.
- Is available in various sizes as shown below.
- Improves the effectiveness of other filters

Stock No.	Stock Size (U.S.)	Stock Size (Metric)	READY TO USE
412	10 Ounce	0.3 L.	Handi-Koter Trigger Spray Bottle
420	2 Gallon	7.6 L.	Plastic Jug
421	5 Gallon	18.9 L.	Plastic Pail

Stock No.	Stock Size (U.S.)	Stock Size (Metric)	HEAVY DUTY CONCENTRATE
413	5 Gallon	18.9 L.	Plastic Pail
414	55 Gallon	208.2 L.	Steel Drum