Residential
Allergen
1MBE4

Air⊠Handler®

Exclusively from Grainger.

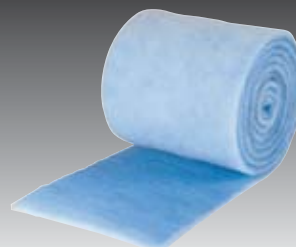# More Filters. More Sizes. More Applications.

V Bank Mini Pleat **4PY72**

Standard Capacity Pleated **2W232**

Roll Filter **4WZ62**

Grease Baffles **4C882**

Did you know that the quality of the air in your facility can directly impact the health, comfort and productivity of employees?

Poor filtration causes contaminants to build up in your HVAC system, which contributes to poor indoor air quality.

Contaminants in your air come from many different sources, including:

- Biological contaminants like bacteria, mold, and pollen
- Chemical pollutants such as smoke, fumes, gases, and emissions
- Particles, including dirt and dust

Poor indoor air quality could result in low productivity. If employees are uncomfortable or unhealthy they are less likely to work efficiently. Keep your facility running by improving your indoor air quality with Air Handler filters.

Made In U.S.A.

Filters are easy to implement, energy efficient, and cost effective. Properly using the right air filters in your facility helps eliminate many of the common causes of poor indoor air quality, helping keep employees safe, comfortable, and productive.

Trust Air Handler filters for all of your filtration needs. From basic to high efficiency filtration and everything in between, Air Handler has you covered. With unmatched availability and more than 1,000 filters to choose from, Air Handler has what you need everyday. Get the complete line of Air Handler filters exclusively from Grainger.

Order Air Handler Products Today, They Ship Today!*

- Go online to www.grainger.com/airhandler
- Visit your local branch
- Call your Grainger representative

*In-stock orders placed directly with a Grainger branch or online by 5pm local time M-F will ship the same day.

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FINE PARTICLE FILTRATION
Standard Pleated Filters, High Capacity Pleated Filters, V-Bank Mini-Pleat Filters, Rigid Cell Filters, Cartridge Filters, HEPA Air Filters, Pocket Filters.

ODOR CONTROL
Carbon Honeycomb Filters, Carbon Pleated Filters, Carbon Media Pad

PAINT
Paint Collector Pads

FILTER TYPES AVAILABLE

Filters help to reduce wear and tear on heating/AC components such as AC coils, heat exchangers, and electronics, removing dust and dirt particles that are harmful to indoor air quality. They are offered in a broad range of sizes and styles to meet various applications. The four most popular filter categories are:

FIBERGLASS DISPOSABLE
Typically referred to as furnace filters, these low cost, low efficiency filters are used in HVAC applications where only minimal equipment protection is required and air quality is not a major concern. They remove larger particles from the air stream and feature lighter weight frames.

STANDARD CAPACITY PLEATED
Engineered to improve indoor air quality while offering greater protection for HVAC equipment, these filters meet the recommended guidelines for commercial HVAC filtration developed by ASHRAE. They feature a pleated configuration that extends the life of the filter, resulting in fewer filter changes. Their MERV 7 rating helps to keep resistance within reasonable operating limits.

HIGH CAPACITY PLEATED
Utilizes the same advanced technology as standard capacity pleated filters, but with a 50% increase in media square footage. This typically extends the service life of the filter by 30 to 50%, as compared to standard capacity filters. Additionally, these high efficiency MERV 8 filters provide reduced resistance, and lower energy and labor costs associated with the operation and maintenance of HVAC systems.

RESIDENTIAL ALLERGEN REDUCTION PLEATED
Removes the maximum number of particles from small commercial and residential HVAC systems. In addition to the common dust and dirt particles that other filter types remove, MERV 12 filters handle pet dander, bacteria, and smoke particles.

	Particle/Dust Removal	Allergen Reduction	Filter Surface Area	Service Life	Equipment Protection
Fiberglass	■	■	■	■	●
Standard Capacity Pleated	●	■	●	●	▲
High Capacity Pleated	●	●	▲	▲	▲
Residential Allergen Reduction Pleated	▲	▲	▲	●	▲

(■) Low performance. (●) Satisfactory performance. (▲) Superior performance.

CRITICAL ENVIRONMENTS

In applications where extremely clean air is required, filtration products become a critical component of the HVAC system. Critical environments include hospitals, food processing plants, telecommunications, and high tech manufacturing. The efficiencies required for these applications range from 65% (MERV 11) to 95% (MERV 16). Traditionally these needs have been filled by a variety of products including pocket, rigid cell, and cartridge style filters. In recent years, the increasing popularity of variable speed drives and rising energy costs have driven advancements in this area and the result has been the v-bank style filter.

Currently there are two styles of v-bank filters available:

V-BANK MINI-PLEAT
Utilizing a 4-V format, the European engineered filter maximizes service life and dramatically reduces pressure drop. With over 190 square feet of media in a 24 x 24 x 12" filter, the expected service life is 3 times that of other rigid formats.

TITAN FP
A lighter weight version of the v-bank mini-pleat, the Titan FP is designed to outperform traditional rigid filters at a similar cost.

Air⧆Handler ®
Exclusively from Grainger.

V-Bank Mini Pleat
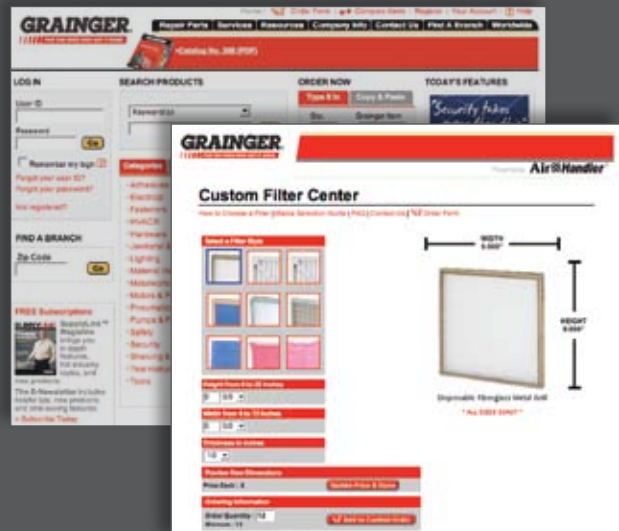**4PY72**

High Efficiency Filtration

Long-life, high-efficiency filters are engineered for applications where clean air is critical, such as hospitals, clean rooms and telecommunications.

Did you know?

- V-bank filters have up to 193 square feet of media per filter to ensure long life and low operating costs.
- Low profile 4-inch deep filters are ideal for upgrades and retrofits where space is at a premium.

More Filters. More Sizes. More Applications.

Trust Air Handler for all of your air filtration needs. We have quality filters to help you maintain clean indoor air quality and keep employees productive and healthy. And because Air Handler is backed by Grainger, you can rely on great service, support and availability.

Made In U.S.A.

Can't find what you're looking for?

Additional in-stock items and more sizes are available online at grainger.com/airhandler. For more information contact your Grainger representative, call or visit your local branch.

Create Custom Filters

Do you need a hard to find filter size? Ordering customized filters is a snap on www.grainger.com/airhandler. In just three easy steps you can order filters created to the exact specifications that you need.

V-Bank Mini-Pleat Air Filters

These air filters replace conventional bag and rigid filters and are especially suited for use in variable air volume systems. Energy-saving filters remove air contaminants, are maintenance-free, and easy to install. Fit all commonly used filter frames and housings; header size is 13/16", and requires 12" depth for installation. Installation position, service side, and course of air flow can be in any direction.

Large filter surface area offers long service life and low initial resistance. Mini-pleated filter captures submicron size particles. Glass microfiber paper resists moisture and does not shed fibers downstream. Can resist pressures up to 6" WG.

95% D.O.P. "Hospital Grade" Filter Nos. 5W994, 5W995, and 5W996 are at least 95% efficient on 0.3 micron size particles, new and clean. This filter is more than 8 times as efficient as a 95% ASHRAE filter when comparing penetration. Can be used in systems where HEPA filter performance is desired but system limitations do not permit use of high-resistance, low-volume HEPA filters. UL Classified as to flammability only; Class 2 (R13458). Low pressure drop. Operate in 100% relative humidity. Maximum temperature: 150°F.

Uses: Critical environments. 95% D.O.P. designed to meet ASHRAE guidelines for health care. 85% filter used for telecommunication industry ventilation.

V-Bank Mini Pleat
4E412

V-Bank Mini Pleat
4PY71

Titan FP
- **Low pressure drop**
- **Operates in 100% relative humidity**

Efficient filtration at an economical price. Replaces pocket and rigid filters. Used in variable air volume situations. Suitable for normal, hostile, and high humidity environments. Easy to transport with built-in handle.

V-Bank Mini Pleat
4PY72

Filter Efficiency (%)*	MERV	Nominal Size (In.)			Actual Size (In.)			Media Area (Sq.-Ft.)	Capacity (CFM)	Initial Resistance (In.)	Final Resistance (In. WC)	Item No.
		H	W	D	H	W	D					
75	10	12	24	12	11⅜	23⅜	11¾	92	1000/1250/1500	0.26/0.40/0.56	1.50	**4E409**
75	10	24	24	12	23⅜	23⅜	11¾	193	2000/2500/3000	0.26/0.40/0.56	1.50	**4E408**
85	11	12	24	12	11⅜	23⅜	11¾	92	1000/1250/1500	0.28/0.44/0.60	1.50	**4E411**
85	11	24	24	12	23⅜	23⅜	11¾	193	2000/2500/3000	0.28/0.44/0.60	1.50	**4E410**
85	13	20	24	12	19⅜	23⅜	11¾	160	1666/2000/2500	0.28/0.44/0.60	1.50	**5W991**
95	13	12	24	12	11⅜	23⅜	11¾	92	1000/1250/1500	0.36/0.50/0.64	1.50	**4E413**
95	13	24	24	12	23⅜	23⅜	11¾	193	2000/2500/3000	0.36/0.50/0.64	1.50	**4E412**
95	14	20	20	12	19⅜	19⅜	11¾	120	1400/1750/2000	0.36/0.50/0.64	1.50	**3XJ98**
98	15	12	24	12	11⅜	23⅜	11¾	92	1000/1250	0.56/0.76	1.50	**4E415**
98	15	24	24	12	23⅜	23⅜	11¾	193	2000/2500	0.56/0.76	1.50	**4E414**
95 D.O.P.	16	12	24	12	11⅜	23⅜	11¾	92	1000/1250	0.80/1.00	2.00	**5W995**
95 D.O.P.	16	20	24	12	19⅜	23⅜	11¾	160	1250/1750	0.80/1.00	1.50	**5W994**
95 D.O.P.	16	24	24	12	23⅜	23⅜	11¾	193	2000/2500	0.80/1.00	2.00	**5W996**
Titan FP												
60-65	11	12	24	12	11⅜	23⅜	10¾	96	750/1000/1250	0.17/0.27/0.4	1.5	**4PY75**
60-65	11	24	24	12	23⅜	23⅜	10¾	45	1500/2000/2500	0.17/0.27/0.4	1.5	**4PY76**
80-85	13	12	24	12	11⅜	23⅜	10¾	96	750/1000/1250	0.30/0.45/0.61	1.5	**4PY73**
80-85	13	24	24	12	23⅜	23⅜	10¾	45	1500/2000/2500	0.30/0.45/0.61	1.5	**4PY74**
90-95	14	12	24	12	11⅜	23⅜	10¾	96	750/1000/1250	0.35/0.52/0.7	1.5	**4PY71**
90-95	14	24	24	12	23⅜	23⅜	10¾	45	1500/2000/2500	0.35/0.52/0.7	1.5	**4PY72**

(*) Filter efficiency is based on ASHRAE Standard (52.2-1999)

Air✕Handler®
Exclusively from Grainger.

Fiberglass Pocket Air Filter
5W426

Synthetic Pocket Air Filter
6B626

Pocket Air Filters

- **Designed for constant volume airflow**
- **Priced each. Sold individually (in-store purchases only) and shipped in case quantity only**

Greater dust holding capacity means longer service life and lower operating costs. The 13/16" frame (header) is 24-gauge galvanized steel. Galvanized steel pocket dividers add significantly to overall strength of the filter as well as directing air evenly into each pocket. The media is supported on the air exit side by a reinforced backing material. Double locked-stitched or thermally welded edges for maximum durability and security. UL listed. Uses: For use in areas requiring a high degree of air cleanliness, including hospitals, schools, industrial facilities and office complexes.

Note: Filter efficiency is based on ASHRAE standards 52.1-1992 and 52.2-1999.

Synthetic Media
Does not shed fibers downstream during shut-off or variable air flow.
Synthetic media is strongly suggested for high humidity applications.

- **Max. temperature: 150°F**

Fiberglass Media
Ultra-fine fiberglass media specifically designed for each efficiency range.

- **UL Class 2**
- **Max. temperature: 190°F**

Header Size	
Nominal (In.)	**Actual (In.)**
24 x 12 x 1	23⅜ x 11⅜ x 1³⁄₁₆
24 x 24 x 1	23⅜ x 23⅜ x 1³⁄₁₆

Media Identification Chart

Media Color	Average Efficiency (%) ASHRAE 52.1-1992
Yellow	90-95
Pink	80-85
Orange	60-65
White – Synthetic	40-45
Yellow/Tan – Fiberglass	40-45

Go Green with Air Handler
Did you know that Air Handler products can help you earn points towards LEED Certification? For more information about going green with Air Handler, **see page 15.**

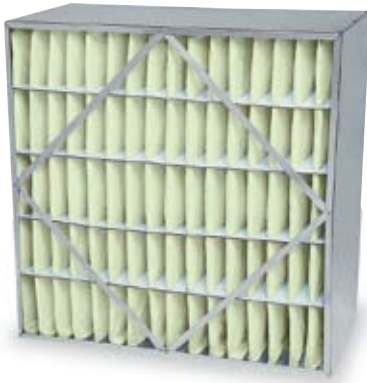| Filter Efficiency (%)	MERV	Nominal Size (In.)			No. of Pockets	Media Area (Sq.-Ft.)	Capacity CFM	Operating Resistance (In. WC)		Synthetic		Fiberglass	
		H	W	D				Initial	Final	Item No.	Case Qty.	Item No.	Case Qty.
90-95	14	24	24	36	8	108	2000	0.40	1.0	6B626	2	5E836	2
90-95	14	24	24	36	6	81	2000	0.52	1.0	6B639	2	5W426	2
90-95	14	24	24	29	8	90	2000	0.55	1.0	6B627	2	5W427	2
90-95	14	24	20	29	7	76	1650	0.6	1.0	6B636	2	6B681	2
90-95	14	24	24	29	6	68	2000	0.60	1.0	6B640	2	5E838	2
90-95	14	24	24	22	8	66	2000	0.60	1.0	6B628	2	5E839	2
90-95	14	24	24	22	6	50	2000	0.65	1.0	6B641	2	5E840	2
90-95	14	24	24	18	6	41	1250	0.55	1.0	6B642	2	5E841	2
90-95	14	24	12	36	4	54	1000	0.45	1.0	6B658	2	5E842	2
90-95	14	24	12	29	4	45	1000	0.55	1.0	6B659	2	5W429	2
90-95	14	24	12	22	3	25	1000	0.65	1.0	6B668	2	5E844	2
90-95	14	24	12	18	3	21	625	0.55	1.0	6B669	2	5E845	2
80-85	13	24	24	36	6	81	2000	0.42	1.0	6B643	2	5W430	2
80-85	13	24	24	29	8	90	2000	0.40	1.0	6B630	2	5W431	2
80-85	13	24	24	29	6	68	2000	0.45	1.0	6B644	2	5W432	2
80-85	13	24	24	22	10	73	2000	0.4	1.0	3XJ75	2	—	—
80-85	13	24	24	22	8	66	2000	0.40	1.0	6B631	2	5W433	2
80-85	13	24	24	22	6	50	2000	0.50	1.0	6B645	2	5W434	2
80-85	13	24	24	18	6	41	1250	0.45	1.0	6B646	2	5E848	2
80-85	13	24	20	29	7	76	1650	0.5	1.0	6B637	2	—	—
80-85	13	24	12	36	3	41	1000	0.45	1.0	6B670	2	5W435	2
80-85	13	24	12	29	4	45	1000	0.40	1.0	6B661	2	5W436	2
80-85	13	24	12	22	4	33	1000	0.40	1.0	6B662	2	5W438	2
80-85	13	24	12	22	3	25	1000	0.5	1.0	6B672	2	—	—
80-85	13	24	12	18	3	21	625	0.45	1.0	6B673	2	5E850	2
80-85	13	20	24	29	7	76	1650	0.5	1.0	—	—	5E851	2
60-65	12	24	24	29	8	90	2000	0.30	1.0	6B633	2	5W441	2
60-65	12	24	24	29	6	68	2000	0.45	1.0	6B648	2	5E854	2
60-65	12	24	24	22	8	66	2000	0.35	1.0	6B634	2	5W442	2
60-65	12	24	24	22	6	50	2000	0.40	1.0	6B649	2	5W443	2
60-65	12	24	24	18	6	41	1250	0.55	1.0	6B650	2	5E855	2
60-65	12	24	20	22	7	58	1650	0.28	1.0	6B638	2	—	—
60-65	12	24	12	29	4	45	1000	0.30	1.0	6B664	2	5W445	2
60-65	12	24	12	22	4	33	1000	0.35	1.0	6B665	2	5W446	2
60-65	12	24	12	22	3	25	1000	0.4	1.0	—		5W447	2
60-65	12	24	12	18	3	21	625	0.55	1.0	6B677	2	5E858	2
60-65	12	20	24	22	7	58	1650	0.4	1.0	—	—	5E859	2
40-45	9	24	24	21	6	48	2000	0.20	1.0	6B651	2	5W448	2
40-45	9	24	24	14	6	32	2000	0.30	1.0	6B652	2	5W450	2
40-45	9	24	24	10	6	24	2000	0.4	1.0	—	—	5E864	2
40-45	9	24	20	15	5	28	1650	0.4	1.0	—	—	5E862	2
40-45	9	24	20	14	5	28	1650	0.4	1.0	6B655	2	—	—
40-45	9	24	12	21	3	24	1000	0.20	1.0	6B678	2	5W449	2
40-45	9	24	12	14	3	16	1000	0.30	1.0	6B679	2	5W451	2
40-45	9	24	12	10	3	12	1000	0.4	1.0	6B680	2	—	—
40-45	9	20	20	21	5	37	1325	0.35	1.0	6B656	2	—	—
40-45	9	20	20	14	5	24	1325	0.4	1.0	6B657	2	—	—
40-45	9	24	12	10	3	12	1000	0.4	1.0	—	—	5E865	2
40-45	9	20	20	21	5	37	1325	0.35	1.0	—	—	5E861	2
40-45	9	20	20	14	5	24	1325	0.4	1.0	—	—	5E863	2

Air Handler®
Exclusively from Grainger.

Collapsible Cartridge Filters

- **Collapsible for easy storage**
- **Max. temperature: 150°F**

High-efficiency fiberglass media packs are used for internally supported cartridge filter systems. Ultrafine media is on spun nylon backing with no metal frame to dispose of. Pleated design offers maximum media utilization and dust holding capacity. UL Classified as to flammability only; Class 2.

Fiberglass Collapsible Cartridge
3XJ63

Filter Efficiency (%)	MERV	Nominal Size (In.)			Media Area (Sq.-Ft.)	Air Flow (CFM)	Final Initial Resistance (In.)	Recommended Resistance (In.)	Item. No.	Case Qty.
		H	W	D						
80 to 85	13	24	24	12	58	2000	0.33	1.5	**3XJ63**	7
90 to 95	14	24	24	12	58	2000	0.87	1.5	**3XJ70**	7

Rigid Cell Filters

- **Replace conventional bags and rigid filters**
- **Max. temperature: 150°F**
- **Also available in synthetic filter media and UL Class 1**
- **Priced each. Sold individually (in-store purchases only) and shipped in case quantity only**

Rigid, compact construction for variable air volume systems (performance is not affected by changes in airflow or by shut-down). Filter media is made of ultra-fine glass fibers. The air-exit side of the media is nylon-reinforced for media integrity. Metal grid also maintains the pleat configuration. Enclosure frame, or cell side, is galvanized steel, ensuring the filter a rigid and durable housing. Diagonal front and rear support members are attached to air-entering and air-leaving sides of the cell for added rigidity and protection. Media stabilizers reinforce and shape the media pleats, ensuring that configuration is maintained throughout filter life. UL Classified as to flammability only; Class 2 (R13458).

Uses: Commercial buildings, schools, universities, hospitals, arenas, industrial installations.

Note: Filter efficiency is based on ASHRAE Standards 52.1-1992 and 52.2-1999.

Rigid Cell
5W915

Filter Efficiency (%)	MERV	Nominal Size (In.)			Media Area (Sq.-Ft.)	Airflow (CFM)	Final Recommended Resistance (In.)		Item No.	Case Qty.
		H	W	D			Initial	Final		
90-95	14	24	24	12	58	2000	0.66	1.50	**5W915**	1
90-95	14	24	12	12	28	1000	0.66	1.50	**5W916**	2
80-85	13	24	24	12	58	2000	0.50	1.50	**5W917**	1
80-85	13	24	12	12	28	1000	0.50	1.50	**5W918**	2
60-65	11	24	24	12	58	2000	0.40	1.50	**5W919**	1
60-65	11	24	12	12	28	1000	0.40	1.50	**5W920**	2

In stock orders placed directly with a Grainger branch or online by 5pm local time M-F will ship the same day.

Cartridge Filters

Metal Frame Cartridge
5W921

- **Max. temperature: 200°F**
- **Replace conventional bags and rigid filters and are especially suited for use in variable air volume systems**
- **Priced each. Sold individually (in-store purchases only) and shipped in case quantity only**

Remove bacteria, pollen, smoke, dust particles, and chemical pollutants from the air. Glass microfiber filter media is an inherently stable filter material. Corrugated aluminum separators maintain even spacing between each media pleat and allow total unrestricted air flow to the entire media pack. Filter media is water-resistant and can withstand intermittent exposure to water. Filter frame cell sides and header are of 24-gauge galvanized steel. Header is 13/16" x 11/16"D. UL Classified as to flammability only; Class I (R13458).

Uses: Industrial, commercial, or institutional, such as hospitals, nurseries, food processing plants, pharmaceutical manufacturing, computer equipment rooms, and electronic assembly areas.

Note: Filter efficiency is based on ASHRAE Standards 52.1-1992 and 52.2-1999.

Filter Efficiency (%)	MERV	Nominal Size (In.)			Media Area (Sq.-Ft.)	Airflow (CFM)	Final Recommended Resistance (In.)		Item No.	Case Qty.
		H	W	D			Initial	Final		
90-95	14	24	24	12	125	2000	0.65	1.50	**5W921**	1
90-95	14	24	12	12	56	1000	0.65	1.50	**5W922**	2
80-85	14	24	24	12	105	2000	0.60	1.50	**5W923**	1
80-85	14	24	12	12	46	1000	0.60	1.50	**5W924**	2
60-65	12	24	24	12	105	2000	0.45	1.50	**5W925**	1
60-65	12	24	12	12	46	1000	0.45	1.50	**5W926**	2

Create Custom Filters

Do you need a hard to find filter size? Ordering customized filters is a snap on www.grainger.com/airhandler. In just three easy steps you can order filters created to the exact specifications that you need.

1. Choose from one of nine filter styles
2. Fill in your dimensions
3. Place your order

Call or stop by your local Grainger branch or go online to **www.grainger.com/airhandler**

Air Handler®
Exclusively from Grainger.

Metal Frame HEPA
6B614

HEPA Air Filters

- **Hospital grade**
- **Max. temperature: 200°F**
- **Replace conventional bags and rigid filters and are especially suited for use in variable air volume systems**

Provide high-efficiency filtration for those situations that demand critical removal of particles from the airstream. A urethane sealant is used to provide a positive seal on all four sides of the metal galvanized frame to eliminate potential air leaks. UL Classified as to flammability; Class I (R13458). Uses: Well suited for clean rooms, hospital operating suites, electronics manufacturing, and pharmaceutical production.

DOP Filter Efficiency (%)	Actual Size (In.)			Rated Air Flow (CFM)	Final Recommended Resistance (In.)		Item No.	Case Qty.
	H	W	D		Initial	Final		
99.97	24	24	11½	1100	1.0	2.0	**6B614**	1
99.97	23⅜	23⅜	11½	1100	1.0	2.0	**6B615**	1
99.97	24	12	11½	550	1.0	2.0	**6B616**	1
99.97	12	12	11½	275	1.0	2.0	**6B617**	1
99.97	23⅜	11⅜	11½	550	1.0	2.0	**6B618**	1
95	24	24	11½	1900	1.0	2.0	**6B619**	1
95	23⅜	23⅜	11½	1900	1.0	2.0	**6B620**	1
95	24	12	11½	910	1.0	2.0	**6B621**	1
95	12	12	11½	450	1.0	2.0	**6B622**	1
95	11⅜	23⅜	11½	910	1.0	2.0	**6B623**	1

Metal Frame Class
5M319

Class 1 Pleated Air Filters and Elements

- **Meet New York City fire code requirements**
- **Max. temperature: 150°F**
- **Priced each. Sold individually (in-store purchase only) and shipped in case quantity only**

Pleated design offers greater dust holding capacity. Fiberglass elements have no filter pack enclosure. UL Listed.

Nominal Pleat (%)	Nominal Size (In.)			Actual Size (In.)			Media Area (Sq.-Ft.)	Item No.	Case Qty.
	H	W	D	H	W	D			
Fiberglass Pleated Air Filters, Steel Frame									
40	20	25	2	19½	24½	1¾	11.2	**5M318**	12
40	24	24	2	23⅜	23⅜	1¾	12.7	**5M319**	12
65	24	24	2	23⅜	23⅜	1¾	12.7	**5M331**	12
65	16	20	2	15½	19½	1¾	6.9	**5M327**	12
65	16	25	2	15½	24½	1¾	8.6	**5M328**	12
65	20	20	2	19½	19½	1¾	8.6	**5M329**	12
65	20	25	2	19½	24½	1¾	11.2	**5M330**	12
Fiberglass Elements									
40	16	20	2	15½	19½	1¾	6.9	**5M321**	12
40	20	20	2	19½	19½	1¾	8.6	**5M323**	12
65	12	24	2	11⅜	23⅜	1¾	6.3	**5M332**	12
65	16	20	2	15½	19½	1¾	6.9	**5M333**	12
65	20	20	2	19½	19½	1¾	8.6	**5M335**	12
65	20	25	2	19½	24½	1¾	11.2	**5M336**	12

Replacement Element
5M321

Nominal Filter Efficiency	Avg. Atmospheric Efficiency (%)	Pleats Per Linear Foot	Velocity		Initial Resistance (In.)		Recommended Final Resistance (In. WC)
			Medium	High	Medium	High	
40%	20 to 25	10	375	500	0.18	0.26	1.0
65%	35 to 40	10	375	500	0.25	0.35	1.0

In stock orders placed directly with a Grainger branch or online by 5pm local time M-F will ship the same day.

Class 1 Pocket Air Filters

- **Meet New York City fire code requirements**
- **Max. temperature: 190°F**
- **Priced each. Sold individually (in-store purchases only) and shipped in case quantity only**

Fiberglass media filters excel in dust holding capacity and filter efficiency. 13/16" frame is 24-gauge galvanized steel. Designed for use in areas requiring a high degree of air cleanliness such as hospitals, schools, and offices.

Header Size	
Nominal (In.)	**Actual (In.)**
24 x 12 x 1	23⅜ x 11⅜ x ¹³⁄₁₆
24 x 24 x 1	23⅜ x 23⅜ x ¹³⁄₁₆

Class 1 Pocket/Bag
5M392

Nominal Filter Efficiency (%)	Media Color	MERV	Nominal Size (In.)			No. of Pockets	Media Area (Sq.-Ft.)	Capacity (CFM)	Operating Resistance (In. WC)		Item No.	Case Qty.
			H	W	D				Initial	Final		
60-65	Orange	12	12	24	22	5	18	1000	0.4	1.0	**5M392** *	2
40-45	White	9	24	24	12	6	24	2000	0.6	1.0	**5M410** *	2
40-45	White	9	12	24	12	3	6	1000	0.35	1.0	**5M359** *	2

(*) Limited availability.

4" Slim Line Mini-Pleat Air Filters

- **Rugged galvanized frame**
- **Max. temperature: 200°F**
- **Priced each. Sold individually (in-store purchases only) and shipped in case quantity only**

Versatile enough for all HVAC filter applications, including high humidity and limited space. Header size is 13/16". Require 4" depth for installation.

Large 114-sq.-ft. surface area allows easy upgrades with little or no additional pressure drop loss. 114 sq.-ft. of effective filtering media. Ideal for use with variable air volume systems.

Replacement for conventional rigid filters. Replace 12" deep rigid fiberglass wool filters and ASHRAE cell filters. Mini-pleat glass microfiber withstands 100% humidity; moisture will not affect filter efficiency. UL Classified as to flammability only; Class 2 (R13458).

Uses: Remove most airborne contaminants such as dust, smoke, soot, pollen, and bacteria.

Metal Frame Mini Pleat
5E898

Filter Efficiency (%)	Nominal Size (In.)			Actual Size (In.)			Capacity (CFM)	Initial Resistance (In.)	Final Resistance (In. WC)	Item No.	Case Qty.
	H	W	D	H	W	D					
80-85	12	24	4	11⅜	23⅜	3⅜	1000	0.79	1.50	**5E897**	2
80-85	24	24	4	23⅜	23⅜	3⅜	2000	0.79	1.50	**5E895**	2
90-95	12	24	4	11⅜	23⅜	3⅜	1000	0.82	1.50	**5E900**	2
90-95	24	24	4	23⅜	23⅜	3⅜	2000	0.82	1.50	**5E898**	2

Air⊠Handler®
Exclusively from Grainger.

Economy Mini Pleat
6B590

4" Economy Mini-Pleat Air Filters

- • **Compact, space-saving design**
- • **Max. temperature: 150°F**
- • **Resistant to damage**
- • **Priced each. Sold individually (in-store purchases only) and shipped in case quantity only**

Designed to have a pressure drop and efficiency similar to 12" deep filters, while fitting in the same space as typical 4" pleated filters. More secure filtration than pocket filters in variable air volume systems. 100% synthetic media pack makes the filter resistant to moisture and extremely strong. Pack is enclosed in a die-cut frame. UL Classified as to flammability only; Class 2.

Filter Efficiency (%)	MERV	Nominal Size (In.)			Actual Size (In.)			Capacity (CFM)	Initial Resistance (In.)	Final Resistance (In. WC)	Item No.	Case Qty.
		H	W	D	H	W	D					
90-95	14	24	24	4	23⅝	23⅝	3⅝	2000	0.47	1.5	**6B590**	2
90-95	14	20	25	4	19⅝	24⅝	3⅝	1738	0.47	1.5	**6B591**	2
90-95	14	20	24	4	19⅝	23⅝	3⅝	1666	0.47	1.5	**6B592**	2
90-95	14	20	20	4	19⅝	19⅝	3⅝	1388	0.47	1.5	**6B593**	2
90-95	14	16	25	4	15⅝	24⅝	3⅝	1388	0.47	1.5	**6B595**	2
90-95	14	16	20	4	15⅝	19⅝	3⅝	1111	0.47	1.5	**6B596**	2
90-95	14	12	24	4	11⅝	23⅝	3⅝	1000	0.47	1.5	**6B597**	2
80-85	13	24	24	4	23⅝	23⅝	3⅝	2000	0.45	1.5	**6B598**	2
80-85	13	20	25	4	19⅝	24⅝	3⅝	1738	0.45	1.5	**6B599**	2
80-85	13	20	24	4	19⅝	23⅝	3⅝	1666	0.45	1.5	**6B600**	2
80-85	13	20	20	4	19⅝	19⅝	3⅝	1388	0.45	1.5	**6B601**	2
80-85	13	16	25	4	15⅝	24⅝	3⅝	1388	0.45	1.5	**6B603**	2
80-85	13	16	20	4	15⅝	19⅝	3⅝	1111	0.45	1.5	**6B604**	2
80-85	13	12	24	4	11⅝	23⅝	3⅝	1000	0.45	1.5	**6B605**	2
60-65	11	24	24	4	23⅝	23⅝	3⅝	2000	0.27	1.5	**6B606**	2
60-65	11	20	25	4	19⅝	24⅝	3⅝	1738	0.27	1.5	**6B607**	2
60-65	11	20	24	4	19⅝	23⅝	3⅝	1666	0.27	1.5	**6B608**	2
60-65	11	20	20	4	19⅝	19⅝	3⅝	1388	0.27	1.5	**6B609**	2
60-65	11	18	24	4	17⅝	23⅝	3⅝	1500	0.27	1.5	**6B610**	2
60-65	11	16	20	4	15⅝	19⅝	3⅝	1111	0.27	1.5	**6B612**	2
60-65	11	12	24	4	11⅝	23⅝	3⅝	1000	0.27	1.5	**6B613**	2

Go Green with Air Handler

Did you know that Air Handler products can help you earn points towards LEED Certification? For more information about going green with Air Handler, **see page 15.**

In stock orders placed directly with a Grainger branch or online by 5pm local time M-F will ship the same day.
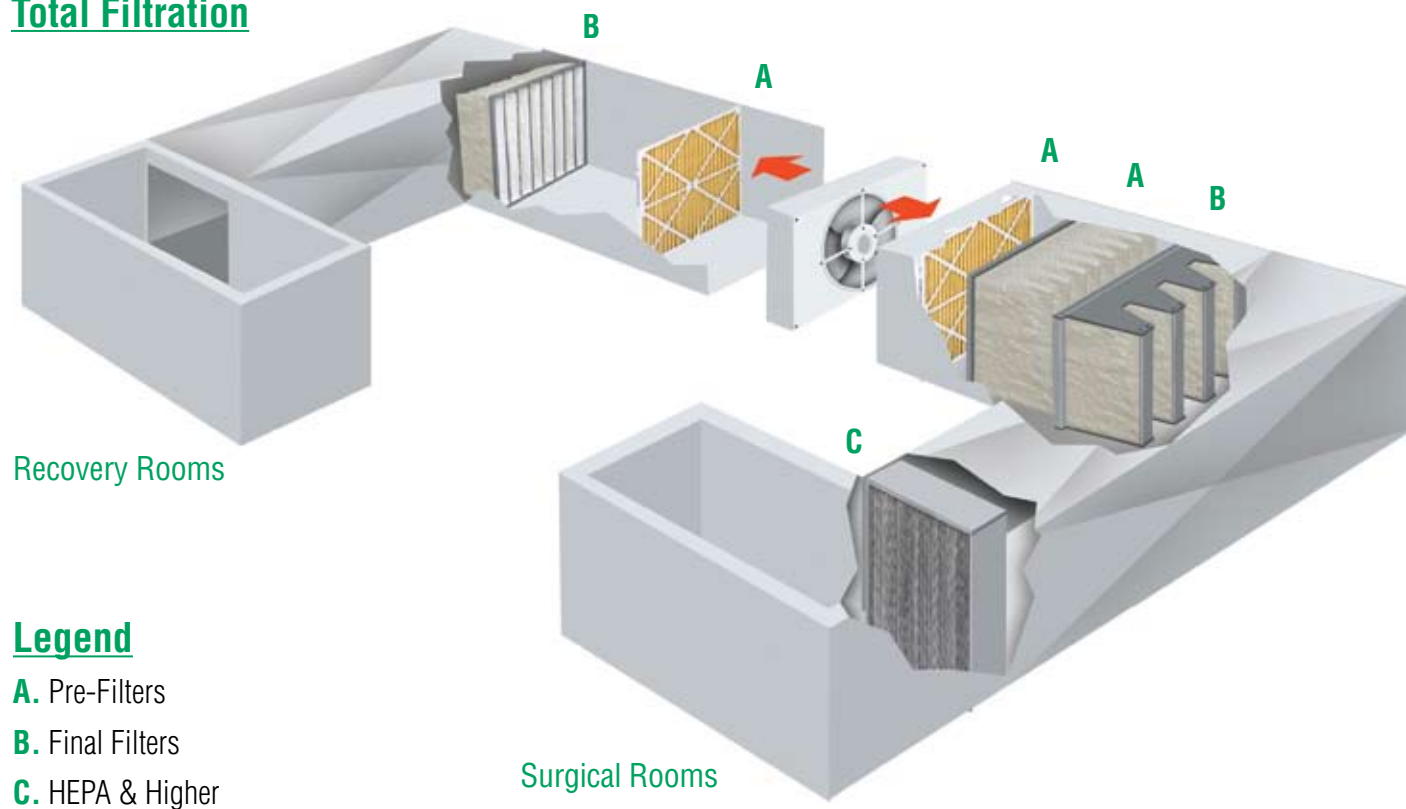
Hospital Specific

Hospitals have very demanding filtration needs in order to protect patients and staff and help keep everyone healthy. Air Handler produces a full line of filtration products for hospital use, including filters for HVAC, clean room, high efficiency, bio-safety and gas phase applications. From the operating room to the recovery room, Air Handler has a filter for all your needs.

Some of the Air Handler filters ideal for hospital use include:

- **Pleated**
- **Pocket**
- **V-bank minipleat**
- **Rigid cells**
- **ASHRAE cells**
- **Gas phase**
- **HEPA**
- **Clean room**

Total Filtration

Recovery Rooms

Surgical Rooms

Legend
A. Pre-Filters
B. Final Filters
C. HEPA & Higher

Air Handler ®
Exclusively from Grainger.

What does it mean to Go Green?

Going Green means making changes to help protect the environment and our natural resources. Being environmentally responsible helps protect our ecosystem, improves our air and water quality, reduces waste, and conserves our natural resources.

The U.S. Green Building Council (USGBC) is a national coalition of experts that serves as the leading organization for environmental building considerations. To establish a common standard of measurement, the USGBC developed the Leadership in Energy and Environmental Design (LEED) Green Building Rating System. Air Handler supports the LEED initiative by creating filters that help you create and maintain a green building.

How can Air Handler Filters help you Go Green?

Air Handler is committed to helping you Go Green by creating products that are environmentally friendly.
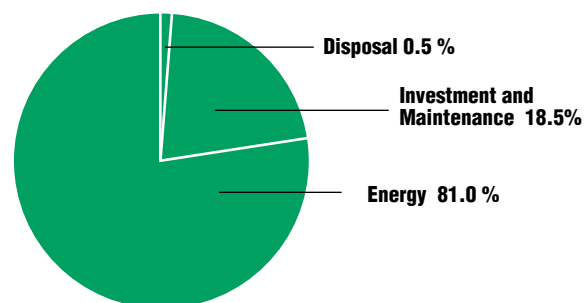
Let Air Handler help you:

Improve Indoor Air Quality – Keeping the air that employees and customers breathe as clean as possible is essential. Not only does it help keep them healthier, but it impacts productivity as well. Air Handler filters are designed to help keep your air cleaner by trapping contaminants before they make it into the air.

Save Energy – Use less energy and save money by using more energy efficient filters. Energy accounts for over 80% of a filter's life cycle cost. In addition, the resistance of an air filter is directly related to the amount of energy used by an HVAC system, so minimizing energy usage helps reduce green house gas emissions.

Reduce Waste – By using Air Handler filters with fewer or lighter weight components, you can help reduce waste and be more environmentally responsible. In addition, many Air Handler filters feature a compact design for less material usage and less waste.

LIFE CYCLE COST COMPONENTS OF FILTERS

Disposal 0.5 %

Investment and Maintenance 18.5%

Energy 81.0 %

Source: Filtration Group

In stock orders placed directly with a Grainger branch or online by 5pm local time M-F will ship the same day.

AIR HANDLER GREEN PRODUCTS CAN HELP SUPPORT LEED CERTIFICATION

RATING CATEGORY	REQUIREMENT	AIR HANDLER MATCH
Indoor Environment Quality Construction IAQ Management Plan	• Filtration media with a minimum filter efficiency reporting value (MERV) of 8 must be used at each return air grill. • All Filtration media should be replaced immediately prior to occupancy.	• Air Handler's low protection air filters can be utilized. • Disposable filters will ease the replication process.
Indoor Environmental Quality Documenting Productivity Impacts: Absenteeism and Health Care Costs Impacts	• Documentation of the history of absenteeism and health care costs for building occupants. • Tracking changes in absenteeism and health care costs.	• 4" Economy MiniPleat (MERV 14) and V-Bank MiniPleat (MERV 15) create a healthy environment by eliminating microbial growth.
Indoor Environmental Quality Indoor Chemical and Pollutant Source Control: Non-Cleaning System-Reduce Particles in Air Distribution	• To have filters with particle removal effectiveness. • MERV 13 or greater in place over the performance period for all outside air intakes. • An established control system for the replacement of air filters.	• Both V-Bank MiniPleat and 4" Economy MiniPleat provide MERV range from 8 to 15. Utilization of Air Handler's synthetic media air filters (4" Economy MiniPleat) minimizes air flow resistance.
Indoor Environmental Quality Contemporary IAQ Practice	• Development and implementation of an IAQ management program for buildings based on EPA standards.	• 4" Economy MiniPleat (MERV 13 & 14) and V-Bank MiniPleat (MERV 15) provide a lower resistance to air flow and do not absorb moisture or promote microbial growth.

Source: Filtration Group

Air Handler ®
Exclusively from Grainger.

Pleated Air Filter
2W232

Medium Efficiency Filtration

Designed to capture smaller particles in the air stream to improve the air you breathe. When used as pre-filters, medium efficiency filters protect expensive secondary filters.

Did you know?

- Pleated filters are available in three MERV ratings to meet your indoor air quality needs.
- Polyester ring panels, links and cubes are great for applications where high humidity levels could cause cardboard frames to break down.
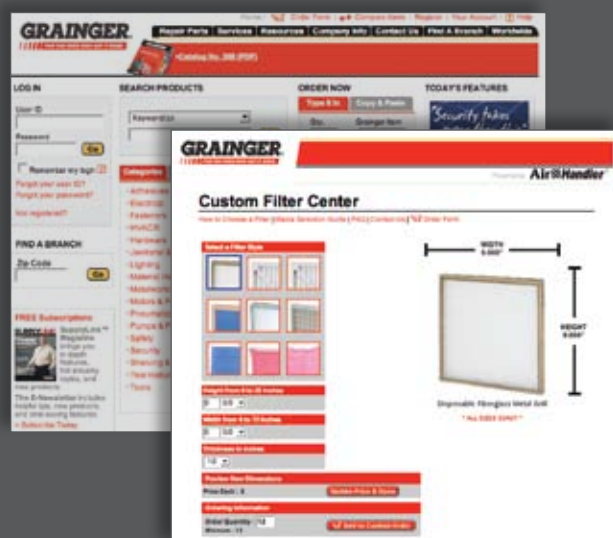
More Filters. More Sizes. More Applications.

Trust Air Handler for all of your air filtration needs. We have quality filters to help you maintain clean indoor air quality and keep employees productive and healthy. And because Air Handler is backed by Grainger, you can rely on great service, support and availability.

Made In U.S.A.

What's In This Section?

Can't find what you're looking for?

Additional in-stock items and more sizes are available online at grainger.com/airhandler. For more information contact your Grainger representative, call or visit your local branch.

Create Custom Filters

Do you need a hard to find filter size? Ordering customized filters is a snap on www.grainger.com/airhandler. In just three easy steps you can order filters created to the exact specifications that you need.

Standard-Capacity Pleated Air Filters

- **MERV 7 (ASHRAE 52.2 - 1999)**
- **Improves air quality**
- **Priced each. Sold individually (in-store purchases only) and shipped in case quantity only**
- **Nominal 40% pleat**
- **Five times more efficient than fiberglass**
- **Offers increased coil protection vs. fiberglass filters**

Higher dust holding capacity than other industry pleats at the same nominal capacity rating. When used as a prefilter, these filters will add substantially to the life of more expensive high-efficiency filters. The pleated filter pack is enclosed in a heavy-duty, moisture-resistant, die-cut frame that will not crack, warp, or distort under normal operating conditions. Media is nonwoven.

Standard Capacity Pleated
2W232

Filter Depth (In.)	Pleats Per Linear Ft.	Velocity		Initial Resistance (Medium) (In.)	Recommended Resistance (High) (In.)	Recommended Final Resistance (In.)
		FPM (Medium)	FPM (High)			
1	12	375	500	0.22	0.40	1.0
2	10	375	500	0.18	0.26	1.0
4	9	500	625	0.22	0.31	1.0

Nominal Size (In.) H	W	D	Actual Size (In.) H	W	D	Media Area (Sq.-Ft.)	Item No.	Case Qty.
8	16	1	7¾	15¾	¾	1.7	5W967	12
8	30	1	7¾	29¾	¾	2.9	6B989	12
10	10	1	9¾	9¾	¾	1.3	5W968	12
10	20	1	9¾	19½	¾	2.6	5W890	12
10	24	1	9¾	23⅜	¾	3.1	5W969	12
10	25	1	9¾	24¾	¾	3.3	5E998	12
10	30	1	9¾	29¾	¾	3.6	6U583	12
12	12	1	11¾	11¾	¾	1.9	4E505	12
12	16	1	11¾	15¾	¾	2.5	5E874	12
12	18	1	11¾	17¾	¾	2.6	6U582	12
12	20	1	11¾	19¾	¾	3.2	6C519	12
12	24	1	11⅜	23⅜	¾	3.8	4E437	12
12	25	1	11¾	24¾	¾	4.0	6C520	12
12	30	1	11¾	29¾	¾	4.4	6U581	12
12	30⅝	1	11¾	30⅜	¾	4.5	6B999	12
14	20	1	13½	19½	¾	3.7	5W891	12
14	24	1	13⅜	23⅜	¾	4.4	5W970	12
14	25	1	13½	24½	¾	4.6	5W892	12
14	30	1	13½	29½	¾	5.1	6B998	12
15	20	1	14½	19½	¾	3.9	5W893	12
15	25	1	14¾	24¾	¾	4.9	5W971	12
15	30	1	14¾	29¾	¾	5.5	6B997	12
15	30⅝	1	14¾	30⅜	¾	5.7	6B996	12
16	16	1	15¾	15¾	¾	3.4	5W972	12
16	20	1	15½	19½	¾	4.2	5W509	12
16	22¼	1	15¾	22	¾	4.5	6B995	12
16	24	1	15⅜	23⅜	¾	5.0	5W973	12
16	25	1	15½	24½	¾	5.2	5W510	12
16	30	1	15½	29½	¾	7.3	1TBE9	12
18	18	1	17¾	17¾	¾	4.3	5E875	12
18	20	1	17¾	19¾	¾	4.8	5W974	12
18	22	1	17¾	21¾	¾	5.2	5E876	12
18	24	1	17⅜	23⅜	¾	5.6	5W975	12
18	25	1	17½	24½	¾	5.9	6C521	12
19	27	1	18¾	26¾	¾	6.2	6B994	12
20	20	1	19½	19½	¾	5.2	5W511	12
20	22¼	1	19¾	22	¾	5.6	6B993	12
20	24	1	19⅜	23⅜	¾	6.3	5W976	12

Nominal Size (In.) H	W	D	Actual Size (In.) H	W	D	Media Area (Sq.-Ft.)	Item No.	Case Qty.
20	25	1	19½	24½	¾	6.5	5W512	12
20	30	1	19¾	29¾	¾	7.3	6B992	12
22	22	1	21¾	21¾	¾	6.4	5E877	12
22	24¼	1	21¾	24	¾	6.7	6B991	12
24	24	1	23⅜	23⅜	¾	7.5	5W513	12
24	30	1	23⅜	29⅜	¾	8.8	6B990	12
25	25	1	24¾	24¾	¾	8.2	6C522	12
10	10	2	9¾	9¾	1¾	2.2	5W977	12
10	20	2	9½	19½	1¾	4.2	6C514	12
12	20	2	11¾	19¾	1¾	2.3	5E878	12
12	24	2	11⅜	23⅜	1¾	6.3	2W234	12
14	20	2	13½	19½	1¾	6.3	6C515	12
14	25	2	13½	24½	1¾	7.9	6C516	12
15	20	2	14½	19½	1¾	6.9	6C517	12
16	16	2	15¾	15¾	1¾	5.6	5W978	12
16	20	2	15½	19½	1¾	6.9	2W230	12
16	24	2	15⅜	23⅜	1¾	8.2	5W979	12
16	25	2	15½	24½	1¾	8.6	2W231	12
18	18	2	17½	17½	1¾	6.9	1TBE5	12
18	20	2	17½	19½	1¾	8.4	1TBE7	12
18	22	2	17¾	21¾	1¾	8.8	5E879	12
18	24	2	17⅞	23⅜	1¾	9.5	5W514	12
18	25	2	17¾	24¾	1¾	9.9	5E880	12
20	20	2	19½	19½	1¾	9.0	2W232	12
20	24	2	19⅜	23⅜	1¾	9.6	5W515	12
20	25	2	19½	24½	1¾	11.2	2W233	12
24	24	2	23⅜	23⅜	1¾	12.4	2W235	12
25	25	2	24¾	24¾	1¾	14.0	6C518	12
12	24	4	11⅜	23⅜	3⅜	11.3	2W238	6
16	20	4	15⅜	19⅜	3⅜	12.5	5W516	6
16	25	4	15⅜	24⅜	3⅜	15.6	5W517	6
18	24	4	17⅜	23⅜	3⅜	17.5	5W518	6
20	20	4	19⅜	19⅜	3⅜	15.6	2W236	6
20	24	4	19⅜	23⅜	3⅜	18.8	5C437	6
20	25	4	19⅜	24⅜	3⅜	19.5	2W237	6
24	24	4	24⅜	24⅜	3⅜	22.5	2W239	6
25	29	4	24⅜	28⅜	3⅜	29.0	5C436	6
28	30	4	27⅜	29⅜	3⅜	33.1	5C435	6

Call or stop by your local Grainger branch or go online to **www.grainger.com/airhandler**

High Capacity Pleated
6B930

High-Capacity Pleated Air Filters

- **MERV 8 (ASHRAE 52.2-1999)**
- **Improves air quality**
- **Nominal 40% pleat**
- **Extends filter life vs. standard capacity**
- **Five times more efficient than fiberglass filters**
- **Offers increased coil protection vs. fiberglass filters**
- **Priced each. Sold individually (in-store purchases only), and shipped in case quantity only**

Offer 30-50% longer life, and up to 50% more filter surface area with greater dust holding capacity, than standard-capacity pleated filters. Filter pack is enclosed in a heavy-duty, moisture-resistant, die-cut frame. Nonwoven 100% synthetic engineered media. Lower resistance to air flow vs. standard cap allows variable drive to run more efficiently. Maximum temperature: 150°F. UL Classified as to flammability only; Class 2 (R13458).

Filter Depth (In.)	Pleats Per Linear Ft.	Air Flow (FPM)		Initial Resistance (In.)		Recommended Final Resistance (In.)
		Medium	High	Medium	High	
1	16	375	500	0.20	0.38	1.0
2	15	375	500	0.16	0.24	1.0
4	12	500	625	0.20	0.29	1.0

Nominal Size (In.)			Actual Size (In.)			Media Area (Sq. Ft.)	Item No.	Case Qty.
H	W	D	H	W	D			
8	16	1	7¾	15¾	¾	2.1	6B917	12
8	30	1	7¾	29¾	¾	3.9	6B916	12
10	10	1	9¾	9¾	¾	1.6	6B988	12
10	20	1	9½	19½	¾	3.2	6B986	12
10	24	1	9⅜	23⅜	¾	3.9	6B984	12
10	25	1	9¾	24¾	¾	4.0	6B983	12
10	30	1	9¾	29¾	¾	4.8	6B982	12
12	12	1	11¾	11¾	¾	2.3	6B981	12
12	16	1	11¾	15¾	¾	3.1	6B980	12
12	18	1	11¾	17¾	¾	3.5	6B979	12
12	20	1	11¾	19¾	¾	3.9	6B978	12
12	24	1	11⅜	23⅜	¾	4.7	6B976	12
12	25	1	11¾	24¾	¾	4.8	6B973	12
12	30	1	11¾	29¾	¾	5.8	6B972	12
12	30⅝	1	11¾	30⅜	¾	6.0	6B971	12
14	20	1	13½	19½	¾	4.6	6B970	12
14	24	1	13⅜	23⅜	¾	5.4	6B968	12
14	25	1	13½	24½	¾	5.8	6B967	12
14	30	1	13½	29¾	¾	6.8	6B965	12
15	20	1	14½	19½	¾	4.9	6B964	12
15	25	1	14½	24½	¾	6.1	6B962	12
15	30	1	14¾	29¾	¾	7.3	6B961	12
15	30⅝	1	14¾	30⅜	¾	7.5	6B960	12
16	16	1	15¾	15¾	¾	4.1	6B959	12
16	20	1	15½	19½	¾	5.1	6B957	12
16	22¼	1	13¾	22	¾	5.9	6B954	12
16	24	1	15⅜	23⅜	¾	6.2	6B953	12
16	25	1	15½	24½	¾	6.4	6B951	12
16	30	1	15½	29½	¾	9	1TBE8	12
18	18	1	17¾	17¾	¾	5.2	6B948	12
18	20	1	17¾	19¾	¾	5.8	6B947	12
18	22	1	17¾	21¾	¾	6.4	6B946	12
18	24	1	17⅜	23⅜	¾	7.0	6B944	12
18	25	1	17½	24½	¾	7.3	6B941	12
19	27	1	18¾	26¾	¾	8.3	6B939	12
20	20	1	19½	19½	¾	6.6	6B938	12
20	22¼	1	19¾	22	¾	7.4	6B935	12
20	24	1	19⅜	23⅜	¾	7.7	6B934	12

Nominal Size (In.)			Actual Size (In.)			Media Area (Sq. Ft.)	Item No.	Case Qty.
H	W	D	H	W	D			
20	25	1	19½	24½	¾	8.2	6B931	12
20	30	1	19¾	29¾	¾	9.7	6B928	12
22	22	1	21¾	21¾	¾	7.8	6B927	12
22	24¼	1	21¾	24	¾	8.5	6B926	12
24	24	1	23⅜	23⅜	¾	9.3	6B925	12
24	30	1	23⅜	29⅜	¾	11.6	6B922	12
25	25	1	24¾	24¾	¾	10.1	6B921	12
10	10	2	9¾	9¾	1¾	3.1	6B987	12
10	20	2	9½	19½	1¾	6.3	6B985	12
12	20	2	11¾	19¾	1¾	7.5	6B977	12
12	24	2	11⅜	23⅜	1¾	9.0	6B975	12
14	20	2	13½	19½	1¾	8.8	6B969	12
14	25	2	13½	24½	1¾	11.0	6B966	12
15	20	2	14½	19½	1¾	9.4	6B963	12
16	16	2	15¾	15¾	1¾	8.0	6B958	12
16	20	2	15½	19½	1¾	10.1	6B956	12
16	24	2	15⅝	23⅜	1¾	12.1	6B952	12
16	25	2	15½	24½	1¾	12.6	6B950	12
18	18	2	17½	17½	1¾	10.1	1TBE4	12
18	20	2	17½	19½	1¾	11.8	1TBE6	12
18	22	2	17¾	21¾	1¾	12.4	6B945	12
18	24	2	17⅜	23⅜	1¾	13.6	6B943	12
18	25	2	17¾	24¾	1¾	14.1	6B940	12
20	20	2	19½	19½	1¾	12.6	6B937	12
20	24	2	19⅜	23⅜	1¾	15.1	6B933	12
20	25	2	19½	24½	1¾	15.7	6B930	12
24	24	2	23⅜	23⅜	1¾	18.1	6B924	12
25	25	2	24¾	24¾	1¾	19.6	6B920	12
12	24	4	11⅜	23⅜	3⅜	14.5	6B974	6
16	20	4	15⅜	19⅜	3⅜	16.1	6B955	6
16	25	4	15⅜	24⅜	3⅜	20.1	6B949	6
18	24	4	17⅜	23⅜	3⅜	21.8	6B942	6
20	20	4	19⅜	19⅜	3⅜	20.1	6B936	6
20	24	4	19⅜	23⅜	3⅜	24.2	6B932	6
20	25	4	19⅜	24⅜	3⅜	25.2	6B929	6
24	24	4	23⅜	23⅜	3⅜	29.0	6B923	6
25	29	4	24⅜	28⅜	3⅜	36.5	6B919	6
28	30	4	27⅜	29⅜	3¾	42.3	6B918	6

In stock orders placed directly with a Grainger branch or online by 5pm local time M-F will ship the same day.

Microstatic Pleated Air Filters

- **MERV 12**
- **Improves air quality**
- **Nominal 60% pleat**
- **Moisture-resistant die-cut frame**
- **Priced each. Sold individually (in-store purchases only), and shipped in case quantity only**

100% synthetic media is electrostatically enhanced to attract even the smallest particles from the air, including microbes, pet dander, mold, and bacteria. This assures the cleanest air in commercial and residential heating and air conditioning systems, with a minimum reduction in air flow. Mini-pleated design provides more surface area and extends the service life of the filter. Maximum temperature: 150°F. UL Listed; Class 2 (R13458).

Microstatic Merv 12 Pleated
1MBD9

Filter Depth (In.)	Pleats Per Lineal Ft.	Airflow (FPM) Medium	Initial Resistance (In.) Medium	Recommended Final Resistance (In.)
1	36	375	0.25	1.0

Nominal Size (In.)			Actual Size (In.)			Media Area (Sq. Ft.)	Item No.	Case Qty.
H	W	D	H	W	D			
15	20	1	14½	19½	¾	11.8	**1MBE4**	12
16	20	1	15½	19½	¾	12.6	**1MBE3**	12
16	25	1	15½	24½	¾	15.6	**1MBE1**	12
20	20	1	19½	19½	¾	15.6	**1MBD9**	12
20	25	1	19½	24½	¾	19.5	**1MBE2**	12
24	24	1	23⅜	23⅜	¾	22.5	**1MBE5**	12

3-Ply Cube Filters

- **UL Class 2 (R13458)**
- **Work in 100% humidity**
- **Replace pleated filters**
- **Recommended final resistance: 1.0"**
- **Priced each. Sold individually (in-store purchases only) and shipped in case quantity only**
- **Max. temperature: 150°F**
- **Final resistance: 1.0"**

Cube filter design is ideal for heavy dust and high humidity use, but performs well in all HVAC applications. Three fiber layers of 100% polyester remove progressively smaller particles from the airstream. The second layer is treated with nonmigrating tackifier to ensure no dust migration downstream. A sturdy internal wire frame is heat sealed inside the polyester layers creating a self-gasketing filter. UL Listed.

Cube Filter
5W902

Nominal Size (In)			Maximum Air Flow FPM	Initial Resistance (In.)	Item No.	Case Qty.
H	W	D				
12	24	15	500	0.26	**5W905**	6
12	24	20	500	0.22	**5W903**	6
12	24	10	500	0.30	**6B782**	6
20	24	15	500	0.26	**6B780**	6
24	24	15	500	0.26	**5W904**	6
24	24	20	500	0.22	**5W902**	6
24	24	10	500	0.30	**6B778**	6

Air⊠Handler®
Exclusively from Grainger.

Ring Panel
6B818

3-Ply Ring Panels

- **Work in 100% humidity**
- **Initial resistance: 0.28"**
- **Max. temperature: 150°F**
- **UL Classified to flammability only; Class 2 (R13458)**
- **Priced each. Sold individually (in-store purchases only) and shipped in case quantity only**
- **Replace pleated filters**
- **Final resistance: 1.0"**
- **Nominal thickness: 1"**

The second of three layers is treated with nonmigrating tackifier to ensure no dust migration downstream. A sturdy internal wire frame is heat sealed inside the polyester layers, creating a self-gasketing filter. This filter is designed for high-humidity applications, but performs well in all HVAC situations. Average efficiency is 25% (ASHRAE 52.1-1992). Common replacement for pleated air filters.

Dimensions (In.)		Item No.	Case Qty.
H	W		
10	10	**6B833**	24
10	20	**6B832**	24
12	12	**6B831**	24
12	20	**6B830**	24
12	24	**6B829**	24
14	25	**6B825**	24
14	20	**6B827**	24
15	20	**6B824**	24
16	16	**6B821**	24
16	20	**6B818**	24
16	24	**6B815**	24

Dimensions (In.)		Item No.	Case Qty.
H	W		
16	25	**6B813**	24
18	20	**6B811**	24
18	24	**6B810**	24
18	25	**6B809**	24
20	20	**6B803**	24
20	24	**6B800**	24
20	25	**6B798**	24
22	22	**6B796**	24
24	24	**6B791**	24
25	25	**6B784**	24

Link Filter
6B817

3-Ply Link Filters

- **Work in 100% humidity**
- **Initial resistance: 0.28"**
- **Sold in case quantity only**
- **Replace pleated filters**
- **Final resistance: 1.0"**

Filters are connected to assure no bypass between filters in side access applications. The second layer is treated with nonmigrating tackifier to ensure no dust migration downstream. A sturdy internal wire frame is heat sealed inside the polyester layers, creating a self-gasketing filter. Designed for high humidity applications. Average efficiency is 25% (ASHRAE 52.1- 1992). Common replacement for pleated air filters. UL Listed.

Dimensions (In.)		Sections Per Case	Total Length (In.)	Item No.
H	L			
12	24	24	576	**6B828**
16	18	24	432	**6B819**
16	20	24	480	**6B817**
16	22	24	528	**6B816**
16	25	24	600	**6B812**
20	14	24	336	**6B808**
20	15	24	360	**6B805**
20	22	24	528	**6B801**
20	20	24	480	**6B802**
20	24	24	576	**6B799**

Dimensions (In.)		Sections Per Case	Total Length (In.)	Item No.
H	L			
20	25	24	600	**6B797**
24	16	24	384	**6B794**
24	18	24	432	**6B793**
24	20	24	480	**6B792**
24	22	24	528	**6B785**
24	24	24	576	**6B790**
25	16	24	384	**6B788**
25	18	24	432	**6B787**
25	20	24	480	**6B786**
25	25	24	600	**6B783**

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An Unseen Advantage: How Clean, Comfortable Air Keeps Employees Productive

Contaminants in your indoor air come from a wide variety of common sources, including: emissions from running equipment and machinery, fumes from loading docks, cleaning products and particulate matter from building-construction projects. These are just a small number of the possible pollutants to your facility's air quality.

Why is IAQ Important?

Indoor air quality (IAQ) describes the state of the air inside a facility based on the presence of pollutants and the internal temperature. IAQ can impact the health, comfort, well-being and productivity of employees. OSHA and the EPA rank IAQ as among the most serious environmental problems in the U.S. The EPA estimates that poor IAQ may cost the U.S. tens of billions of dollars each year in lost productivity and medical costs.

Changes in the state of your IAQ can be subtle and may often be the result of seemingly negligible factors. It is extremely important to monitor your IAQ closely and always have the right selection of products to keep air quality clean and comfortable.

Good IAQ Improves Employee Productivity
Increased productivity is among every facility's goals and is an ongoing challenge. Studies show that environmental and comfort factors in the workplace have a direct effect on employees and that IAQ improvements can lead to greater productivity. Good indoor air quality also contributes to employee and customer safety and satisfaction.

Poor IAQ Leads to Employee Discomfort
Poor IAQ has subtle but dangerous consequences. Often, the symptoms can be confused with those of other, more familiar illnesses and thus go untreated. IAQ issues may be to blame, if over long periods of time, employees experience symptoms such as:

- **Fatigue**
- **Fits of sneezing or coughing**
- **Headaches**
- **Dizziness**

Questions to Ask When Analyzing Your IAQ

There are many things to bear in mind when studying your facility's IAQ. A full inquiry comprises tests such as airflow diagrams and chemical measurements of air particles. However, there are a few basic questions you can ask to get an idea of what the IAQ is like in your facility.

1. Is this facility being used for what it was originally intended? If your facility is being used in ways outside of its original design, your HVAC systems may not be adequate for your IAQ needs.

2. Has your facility undergone any significant layout changes? If your facility has a new layout, your HVAC systems must be adjusted to take the new design into account. Wall placement, additional machines and even adding more employees can all impact IAQ.

3. Are there reports of any health issues that are focused in one area of your facility? If there is a pattern of illness in a concentrated area, it may be related to IAQ and merit further investigation.

4. During a walk-through of the facility, do you notice any unusual drafts, odors or other disturbances? Sometimes the first alert to a possible IAQ problem is your own senses. Be aware of situations where employees are compensating for inadequate HVAC, such as propped doors or blocked vents.

Go Green with Air Handler
Did you know that Air Handler products can help you earn points towards LEED Certification? For more information about going green with Air Handler, **see page 15.**

Air Handler ®
Exclusively from Grainger.
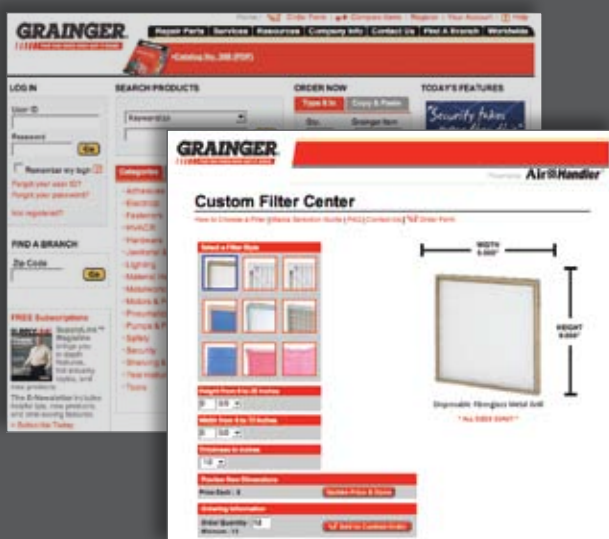
Roll Filter
4WZ62

Basic Filtration

Reduce wear and tear on heating and AC coils, heat exchangers, and electronics and stop larger particulate in the air stream with basic filters. Use these as primary filters or as roughing filters to deal with seasonal issues such as cottonwood.

Did you know?

- Low cost and low resistance, these filters provide the minimum protection required to operate your HVAC system.
- Fiberglass filters are available for industrial applications where heat and oil in the air would destroy most synthetic material.

More Filters. More Sizes. More Applications.

Trust Air Handler for all of your air filtration needs. We have quality filters to help you maintain clean indoor air quality and keep employees productive and healthy. And because Air Handler is backed by Grainger, you can rely on great service, support and availability.

Made In U.S.A.

Can't find what you're looking for?

Additional in-stock items and more sizes are available online at grainger.com/airhandler. For more information contact your Grainger representative, call or visit your local branch.

Create Custom Filters

Do you need a hard to find filter size? Ordering customized filters is a snap on www.grainger.com/airhandler. In just three easy steps you can order filters created to the exact specifications that you need.

Fiberglass Air Filters

• **MERV 5 (ASHRAE 52.2-1999)**
• **Recommended where basic filtration is required**
• **Priced each. Sold individually (in-store purchases only) and shipped in case quantity only**

Designed with progressively denser material and a tackifier to meet basic filtration and equipment protection requirements. Metal backing bonded to the chipboard frame. Initial resistance is 0.04" WG for 1" and 0.08" WG for 2" filters at 300 FPM. Recommended final resistance of 0.5" WG. Maximum temperature: 150°F. UL Classified as to flammability only; Class 2 (R13458).

Metal Faced Fiberglass
1W100

Nominal Size (In.)			Actual Size (In.)			Item No.	Case Qty
H	W	D	H	W	D		
8	16	1	7¾	15½	¾	**5W499**	12
8	30	1	7¾	29¾	¾	**5W980**	12
10	10	1	9¾	9¾	¾	**5W500**	12
10	20	1	9¾	19¾	¾	**1W304**	12
10	24	1	9¾	23⅜	¾	**5C447**	12
10	25	1	9¾	24¾	¾	**5C448**	12
10	30	1	9¾	29¾	¾	**5C449**	12
12	12	1	11¾	11¾	¾	**5W501**	12
12	16	1	11¾	15¾	¾	**5C450**	12
12	18	1	11¾	17¾	¾	**5E891**	12
12	20	1	11¾	19½	¾	**5C451**	12
12	24	1	11⅜	23⅜	¾	**5W502**	12
12	25	1	11¾	24¾	¾	**5C452**	12
12	30	1	11¾	29¾	¾	**5W981**	12
12	30⅝	1	11¾	30	¾	**5W982**	12
14	20	1	13½	19½	¾	**2W015**	12
14	24	1	13⅜	23⅜	¾	**5C453**	12
14	25	1	13½	24½	¾	**2W016**	12
14	30	1	13¾	29¾	¾	**5W983**	12
15	20	1	14½	19½	¾	**1W506**	12
15	25	1	14½	24½	¾	**5C454**	12
15	30	1	14¾	29¾	¾	**5W984**	12
15	30⅝	1	14¾	30¼	¾	**5W985**	12
16	16	1	15¾	15¾	¾	**5C455**	12
16	20	1	15½	19½	¾	**1W099**	12
16	22¼	1	15½	22	¾	**5W986**	12
16	24	1	15½	23⅜	¾	**5C456**	12
16	25	1	15½	24½	¾	**1W098**	12
16	26	1	15½	25½	¾	**6U689**	12
18	18	1	17¾	17¾	¾	**5W987**	12
18	20	1	17¾	19¾	¾	**5C457**	12

Nominal Size (In.)			Actual Size (In.)			Item No.	Case Qty
H	W	D	H	W	D		
18	24	1	17⅜	23⅜	¾	**5C458**	12
18	25	1	17½	24½	¾	**5W503**	12
19	27	1	18¾	26¾	¾	**5C459**	12
20	20	1	19½	19½	¾	**1W097**	12
20	24	1	19⅜	23⅜	¾	**5C460**	12
20	25	1	19½	24½	¾	**1W096**	12
20	30	1	19½	29¾	¾	**5C461**	12
20	29	1	19½	28½	¾	**6U688**	12
20	22¼	1	19½	22	¾	**5W988**	12
22	22	1	21¾	21¾	¾	**5C462**	12
22	24¼	1	21¾	24	¾	**5W989**	12
24	24	1	23⅜	23⅜	¾	**5W504**	12
24	30	1	23⅜	29⅜	¾	**5C463**	12
25	25	1	24½	24½	¾	**1W507**	12
10	10	2	9¾	9¾	1¾	**5C464**	12
10	20	2	9¾	19¾	1¾	**5C465**	12
12	24	2	11⅜	23⅜	1⅝	**5W505**	12
15	20	2	14½	19½	1⅝	**5W506**	12
14	20	2	13½	19½	1⅝	**5C466**	12
14	25	2	13½	24¾	1¾	**5C467**	12
16	16	2	15¾	15¾	¾	**6U690**	12
16	20	2	15½	19½	1⅝	**1W103**	12
16	24	2	15⅜	23⅜	1⅝	**5C468**	12
16	25	2	15½	24½	1⅝	**1W102**	12
18	24	2	17⅜	23⅜	1⅝	**5C469**	12
20	20	2	19½	19½	1⅝	**1W101**	12
20	24	2	19⅜	23⅜	1⅝	**5C470**	12
20	25	2	19½	24½	1⅝	**1W100**	12
24	24	2	23⅜	23⅜	1⅝	**5W507**	12
25	25	2	24½	24½	1⅝	**5W508**	12

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Air Handler®
Exclusively from Grainger.

Washable, Electrostatic
5W896

Electrostatic Air Filters

- **UL Classified as to flammability only; Class 2 (R13458)**
- **Max. temperature: 150°F**

Require no electrical hook-up and have a self-generated charge. Permanent and washable.
Fit into existing filter tracks. Feature arrestance rate of 90%.

Nominal Size (In.)			Actual Size (In.)			Initial Resistance (in WC)	Final Resistance (in WC)	Item No.
H	W	D	H	W	D			
10	20	1	9¾	19¾	¾	0.08	0.5	**5W997**
14	20	1	13½	19½	¾	0.18	1.0	**6W730**
14	25	1	13½	24½	¾	0.08	0.5	**6W731**
16	16	1	15½	15½	¾	0.08	0.5	**6B701**
16	20	1	15½	19½	¾	0.18	1.0	**5W894**
16	25	1	15½	24½	¾	0.18	1.0	**5W895**
20	20	1	19½	19½	¾	0.18	1.0	**5W896**
20	25	1	19½	24½	¾	0.18	1.0	**5W897**
24	24	1	23⅜	23⅜	¾	0.18	1.0	**6W733**
16	20	2	15½	19½	1¾	0.26	1.0	**5W898**
16	25	2	15½	24½	1¾	0.26	1.0	**5W899**
20	20	2	19½	19½	1¾	0.26	1.0	**5W900**
20	25	2	19½	24½	1¾	0.26	1.0	**5W901**
24	24	2	23⅜	23⅜	1¾	0.26	1.0	**6B691**
25	25	2	24½	24½	1¾	0.08	0.5	**6B690**

Media Roll
2W632

Filter Media Rolls With Core

- **Max. temperature: 150°F**
- **Drive core: Cores are not interchangeable**
- **Type C: Continental Air Filter units**
- **Type AE/CB: American Air Filter and Cambridge units**
- **Initial resistance: 0.14 WC (Nos. 2W632 and 3W339 are 0.08 WC)**
- **Final resistance: 0.5 WC**

Filtration media is wound on the core, ready for installation. Heavy duty paper leaders and trailers.
Polyester rolls have scrim backing for humidity resistance. UL Listed, Class 2.

Core Type	Actual Width (Ft.)	Actual Length (Ft.)	Nominal Thickness (In.)	Item No.
Fiberglass Auto-Roll Filter Media With Tackifier				
C	31⅞	65	2	**2W632**
C	55⅞	65	2	**3W339**
Polyester Auto-Roll Filter Media With Scrim-Back				
C	31⅞	65	1	**6B688**
C	43⅞	65	1	**6B686**
AE/CB	44¾	65	1	**6B687**
AE/CB	56¾	65	1	**6B685**
C	67⅞	65	1	**6B682**
AE/CB	68¾	65	1	**6B683**

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Trim-To-Fit Air Filters

- **Initial resistance is 0.2" @ 300 FPM. Final resistance is 1.0" WG**
- **Max. temperature: 150°F**
- **Priced each. Sold individually (in-store purchase only) and shipped in case quantity only**

Ideal for use in room window air conditioners. Can be easily cut to size with scissors; no frame required. Foam and aluminum media may be washed or vacuumed clean. Fiberglass media is disposable. Aluminum media is multilayered expanded aluminum, laminated together. Rigid foam media is supported by a molded plastic support grid

Rigid Foam
5C439

Description	Nominal Size (In.)				Item No.	Case Qty.
	H	W	D			
Foam	15	24	¼		**1W755**	12
Fiberglass	15	24	⅜		**1W633**	12
Aluminum	15	24	¼		**5C438**	12
Rigid Foam	15	24	¼		**5C439**	12

Pad Holding Frames

- **Priced each. Sold individually (in-store purchases only) and shipped in case quantity only**

Frames are reusable. Permanent pad holding frames are constructed around a 24-gauge galvanized steel frame. The downstream side is 16-gauge, 1 x 1" galvanized welded wire. A hinged gate makes changing the pad easy, quick, and safe.

Standard Frames
5W079

Universal Filter Holding Frame
6B731

Holding Clips
5E904

Nominal Size (In.)			Actual Size (In.)			Item No.	Case Qty.
H	W	D	H	W	D		
10	10	1	9¾	9¾	¾	**6B730**	4
12	12	1	11¾	11¾	¾	**5W082**	4
12	24	1	11⅜	23⅜	¾	**5W081**	4
14	25	1	13½	24½	¾	**6B723**	4
16	16	1	15¾	15¾	¾	**6B719**	4
16	20	1	15½	19½	¾	**5W080**	4
16	25	1	15½	24½	¾	**5W079**	4
18	18	1	17¾	17¾	¾	**5W078**	4
20	20	1	19½	19½	¾	**5W076**	4
20	24	1	19⅜	19¾	¾	**6B713**	4
20	25	1	19½	24½	¾	**5W075**	4
22	22	1	21¾	21¾	¾	**5W074**	4
24	24	1	23⅜	23⅜	¾	**5W073**	4
25	25	1	24¾	24¾	¾	**5W083**	4
14	20	2	13½	19½	1¾	**6B724**	4
16	24	2	15⅜	23⅜	1¾	**6B717**	4
16	20	2	15½	19½	1¾	**5W072**	4
16	25	2	15½	24½	1¾	**5W071**	4
18	24	2	17⅜	23⅜	1¾	**6B715**	4
20	20	2	19½	19½	1¾	**5W070**	4
20	24	2	19⅜	19⅜	1¾	**6B712**	4
20	25	2	19½	24½	1¾	**5W069**	4
24	24	2	23⅜	23⅜	1¾	**6B711**	4
Universal Filter Holding Frame							
24	24	3	—	—	—	**6B731**	4

Description	Item No.	Pkg. Qty.
Pad Holding Frame Accessories		
Header Clip for 1" Header	**5E904**	12
Filter Clip for 2" Filter	**5E905**	12

Air Handler®
Exclusively from Grainger.

Polyester Pre Cut/Cut to Fit
5W093

Fliberglass Pre Cut/Cut to Fit
6U622

Precut Filter Media Pads

- **UL Classified as to flammability only; Class 2 (R13458)**
- **Max. temperature: 150°F**
- **Priced each. Sold individually (in-store purchases only) and shipped in case quantity only**

Economical precut pads fit existing holding frames. Air leaving on colored side.
Uses: For most HVAC general filtration requirements.
Note: Chart based on removal by 24" x 24" polyester panels at 1200 CFM and ASHRAE test standard 52.1-1992.

Polyester
Polyester offers higher arrestance and dust holding capabilities than most fiberglass filters and won't shed any fibers into the airstream. Filters are easy to handle and can be used as replacements for fiberglass filters.

Fiberglass
Can be used as an economical replacement for cardboard framed filters. Ideal for heavy industrial and oily applications.

Nominal Depth (In.)	Dust Weight Arrestance (%)	Dust Holding Capacity (gm)	Initial Resistance @ 300 FPM (In. WC)	Final Resistance (In. WC)
½	81	155	0.07	0.5
1	88	165	0.12	0.5
2	93	255	0.19	0.5

Nominal Size (In.) H	W	D	Item No.	Case Qty.
Precut Polyester Media				
12	12	½	5W093	24
12	24	½	5W092	24
16	20	½	5W090	24
16	25	½	5W091	24
18	18	½	5W089	24
18	24	½	5W088	24
20	20	½	5W087	24
20	25	½	5W086	24
22	22	½	5W085	24
24	24	½	5W084	24
25	25	½	5W094	24
10	10	1	6B760	24
10	20	1	6B759	24
12	12	1	6B757	24
12	20	1	6B756	24
12	24	1	6B755	24
14	20	1	6B753	24
14	25	1	6B751	24
15	20	2	6B748	24
16	16	1	6B747	24
16	20	1	5W097	24
16	24	1	6B746	24
16	25	1	5W100	24
18	18	1	6B744	25
18	20	1	6B743	24
18	24	1	6B742	24

Nominal Size (In.) H	W	D	Item No.	Case. Qty.
Precut Polyester Media				
18	25	1	6B740	24
20	20	1	5W099	24
20	24	1	6B739	24
22	22	1	6B737	24
20	25	1	5W098	24
24	24	1	6B736	24
25	25	1	5W096	24
10	20	2	6B758	24
12	24	2	6B754	24
14	20	2	6B752	24
16	20	2	5W101	24
16	24	2	6B745	24
16	25	2	5W102	24
18	24	2	6B741	24
20	20	2	5W103	24
20	24	2	6B738	24
20	25	2	5W104	24
24	24	2	6B735	24
25	25	2	6B734	24
Precut Fiberglass Media				
16	20	1	6U625	24
20	20	1	6U614	24
20	25	1	6U610	24
24	24	1	6U607	24
16	24	2	6U622	24
16	25	2	6U620	24
18	24	2	6U616	24
20	20	2	6U613	24
20	24	2	6U611	24
20	25	2	6U609	24
24	24	2	6U606	24
25	25	2	6U604	24

More availability online!
We carry many more Air Handler items and additional sizes online at www.grainger.com/airhandler

In stock orders placed directly with a Grainger branch or online by 5pm local time M-F will ship the same day.

Filter Media Rolls

- **Heavy-duty paper leaders and trailers**
- **Max. temperature: 150°F**

Filters incorporate a drive pin attached to an internal core that will manually or automatically index depending on the installation. Designed for commercial and industrial use. UL Classified as to flammability only; Class 2 (R13458).

Polyester

Frequently used when fiberglass filters are not acceptable or when fiber break-off is a concern. Scrim-backed synthetic media is soft, easy to handle, and withstands direct moisture.

- **Higher dust-holding capacity than than most fiberglass filters**
- **Suitable for high humidity conditions**

Foam

Can be used to replace disposable filters as a prefilter for higher efficiency electronic or media cartridge filters. Wash or vacuum to clean. Recommended final resistance is 0.5" WG.

- **30 pores per inch (PPI)**
- **Initial resistance: 0.15" WG at 300 FPM**

Hog Hair

Can be used to replace odd size furnace filters. All-natural filter fibers permanently coated with a neoprene compound. Washable, with scrim backing for rigidity.

- **Self-supporting, no frame required**
- **Initial resistance: 0.15" WG**

Fiberglass

Economical bulk rolls for replacing hammock-type filters in furnaces and air conditioners. Rolls can be easily cut to required size. Progressively denser scrim-backed media (air entry to air exit).

- **Coated with a tackifier for maximum dirt loading and efficiency**
- **Recommended final resistance: 0.5" WG**
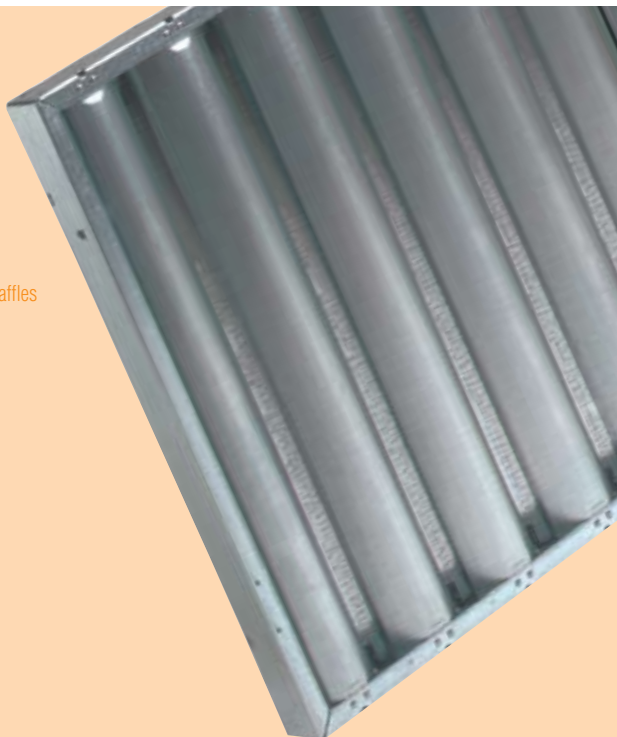

Polyester Filter Media Roll
4WZ62

Hog Hair Filter Media Roll
5C431

Actual Width (In.)	Actual Length (Ft.)	Nominal Thickness (In.)	Item No.
Polyester Filter Media Rolls			
16	135	½	4WZ60
20	135	½	4WZ61
24	135	½	4WZ62
25	135	½	4WZ63
30	135	½	4WZ64
36	135	½	4WZ65
48	135	½	4WZ66
16	90	1	4WZ67
20	90	1	4WZ68
24	90	1	4WZ69
25	90	1	4WZ70
30	90	1	4WZ71
36	90	1	4WZ72
48	90	1	4WZ73
16	45	2	6B776
20	45	2	5C442
24	45	2	6B772
25	45	2	5C443
30	45	2	6B768
36	45	2	6B765
48	45	2	6B762

Actual Width (In.)	Actual Length (Ft.)	Nominal Thickness (In.)	Item No.
Foam Filter Media Rolls			
24	25	¼	5W913
30	25	¼	6U592
36	25	½	6U589
24	25	½	5W914
24	10	1	5C444
36	10	1	6U591
Hog Hair Filter Media Rolls			
20	30	1	5C431
25	30	1	5C432
48	30	1	6U585
20	15	2	5C433
25	15	2	5C434
48	15	2	6U586

Actual Width (In.)	Actual Length (Ft.)	Nominal Thickness (In.)	Item No.
Fiberglass Filter Media Rolls			
7	85	1	6U602
8	85	1	6U601
10	85	1	5C426
12	85	1	6U598
16	85	1	6U596
20	85	1	5C427
24	85	1	6U594
24	20	1	5W498
25	85	1	5C428
30	20	1	2W185
36	20	1	2W186
24	85	2	6U593
25	85	2	5C430

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Air Handler®
Exclusively from Grainger.

Grease Baffles
4C882

Specialty Filtration

When you need unusual or nonstandard sized filters turn to our selection of specialty filtration, including high velocity, high volume and canister type filters. Not all air filters are used to remove dust; Air Handler provides solutions for paint, cooking and odor control as well.

Did you know?

- Hardware and gasketing materials ensure filters seal correctly.
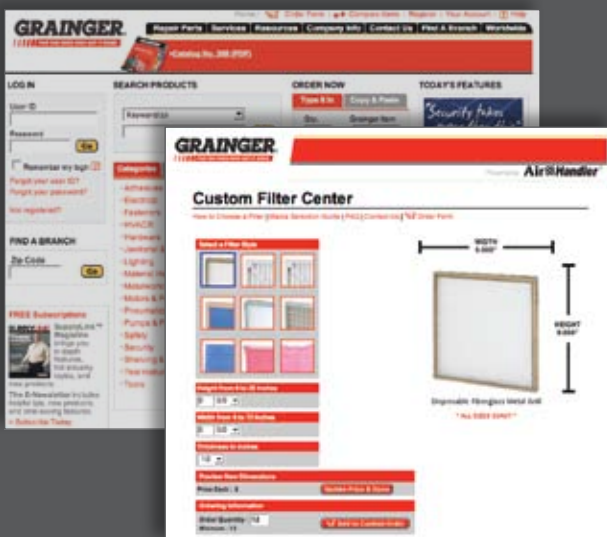- Activated carbon filters remove odors and particulate to keep your air clean.

More Filters. More Sizes. More Applications.

Trust Air Handler for all of your air filtration needs. We have quality filters to help you maintain clean indoor air quality and keep employees productive and healthy. And because Air Handler is backed by Grainger, you can rely on great service, support and availability.

Made In U.S.A.

Can't find what you're looking for?

Additional in-stock items and more sizes are available online at grainger.com/airhandler. For more information contact your Grainger representative, call or visit your local branch.

Create Custom Filters

Do you need a hard to find filter size? Ordering customized filters is a snap on www.grainger.com/airhandler. In just three easy steps you can order filters created to the exact specifications that you need.

Polyester Fan Shrouds

Remove dust and dirt from the air to protect fan and minimize necessary cleaning. Fit over standard air circulator guards. Elastic gathering band and hook and loop closure.

For Use With	Media Weight	Item No.
24 to 26" Dia. Circulators	3.3 Oz./ Sq.-Yd.	**2TE89**
30" Dia. Circulators	3.3 Oz./ Sq.-Yd.	**2TE90**
32" Dia. Circulators	3.3 Oz./ Sq.-Yd.	**2TE91**
36" Dia. Circulators	3.3 Oz./ Sq.-Yd.	**2TE92**
40 to 42" Dia. Circulators	3.3 Oz./ Sq.-Yd.	**2TE93**

Fan Shroud
2TE89

Activated Carbon Honeycomb Disposable Filters

- **Max. temperature: 150°F**
- **Sold individually (in-store purchases only) and shipped only in case quantity**

Filters offer medium-efficiency particulate filtration along with absorbent carbon for fume and odor removal. The granular activated carbon offers more odor removal capacity than carbon-impregnated pleated air filters or rolls. It absorbs at least 60% of its own weight of CCL4 vapor. Fully disposable, no refilling necessary.

Activated Carbon
6W735

Nominal Size (In.) H	W	D	Actual Size (In.) H	W	D	Air Flow FPM	Initial Resist. (In.)	Recomm. Final Resist. (In.)	Item No.	Case Qty.
1" Filters										
10	10	1	9¾	9¾	¾	250	0.38	1.0	**6B869**	4
12	24	1	11⅜	23⅜	¾	250	0.38	1.0	**6W735**	4
14	25	1	13½	24½	¾	250	0.38	1.0	**6B861**	4
16	16	1	15¾	15¾	¾	250	0.38	1.0	**6B857**	4
16	20	1	15½	19½	¾	250	0.38	1.0	**6W736**	4
16	24	1	15¾	23⅜	¾	250	0.38	1.0	**6B856**	4
16	25	1	15½	24½	¾	250	0.38	1.0	**6W737**	4
20	20	1	19½	19½	¾	250	0.38	1.0	**6W738**	4
20	25	1	19½	24½	¾	250	0.38	1.0	**6W739**	4
24	24	1	23⅜	23⅜	¾	250	0.38	1.0	**6W740**	4
2" Filters										
10	20	2	9½	19½	1¾	250	0.48	1.0	**6B867**	4
12	24	2	11⅜	23⅜	1¾	250	0.48	1.0	**6W741**	4
16	20	2	15½	19½	1¾	250	0.48	1.0	**6W742**	4
16	25	2	15½	24½	1¾	250	0.48	1.0	**6W743**	4
18	24	2	17⅜	23⅜	1¾	250	0.48	1.0	**6B852**	4
20	20	2	19½	19½	1¾	250	0.48	1.0	**6W744**	4
20	25	2	19½	24½	1¾	250	0.48	1.0	**6W745**	4
24	24	2	23⅜	23⅜	1¾	250	0.48	1.0	**6W746**	4
25	25	2	24½	24½	1¾	250	0.48	1.0	**6B846**	4

1" Filters
Constructed using 1/2" honeycomb that contains approximately 0.7 lbs. of activated carbon per square foot of face area.

2" Filters
Constructed using 3/4" honeycomb that contains approximately 1 lb. of activated carbon per square foot of face area.

Air ⊠ Handler ®
Exclusively from Grainger.

Carbon Impregnated Pleat
6B899

Carbon Impregnated Pleated Air Filters

- **Priced each. Sold individually (in store purchases only) and shipped in case quantity only**
- **Max. temperature: 150°F**

A unique thermal bonding process takes care of odors. Filters utilize a pleated media constructed of bicomponent polyester fiber attached to activated carbon particles.

Nominal Size (In.)			Actual Size (In.)			Media Area (Sq. Ft.)	Item No.	Case Qty.
H	W	D	H	W	D			
12	12	1	11¾	11¾	¾	1.9	**6B912**	12
12	20	1	11¾	19¾	¾	3.2	**6B911**	12
12	24	1	11⅜	23⅜	¾	3.8	**6B910**	12
14	24	1	13⅜	23⅜	¾	4.4	**6B905**	12
14	25	1	13½	24½	¾	4.6	**6B904**	12
15	20	1	14½	19½	¾	3.9	**6B902**	12
16	16	1	15¾	15¾	¾	3.4	**6B900**	12
16	20	1	15½	19½	¾	4.2	**6B899**	12
16	25	1	15½	24½	¾	5.2	**6B894**	12
18	24	1	17⅜	23⅜	¾	5.6	**6B890**	12
18	25	1	17½	24½	¾	5.9	**6B887**	12
20	20	1	19½	19½	¾	5.2	**6B886**	12
20	25	1	19½	24½	¾	6.5	**6B880**	12
22	22	1	21½	21⅜	¾	6.4	**6B877**	12
24	24	1	23⅜	23⅜	¾	7.5	**6B876**	12
12	24	2	11⅜	23⅜	1¾	6.3	**6B909**	12
14	20	2	13½	19½	1¾	6.3	**6B906**	12
14	25	2	13½	24½	1¾	7.9	**6B903**	12
16	20	2	15½	19½	1¾	6.9	**6B898**	12
16	24	2	15⅜	23⅜	1¾	5	**6B895**	12
16	25	2	15½	24½	1¾	8.6	**6B893**	12
18	24	2	17⅜	23⅜	1¾	9.5	**6B889**	12
20	20	2	19½	19½	1¾	9.0	**6B885**	12
20	24	2	19⅜	23⅜	1¾	10.8	**6B882**	12
20	25	2	19½	24½	1¾	11.2	**6B879**	12
24	24	2	23⅜	23⅜	1¾	12.7	**6B875**	12
12	24	4	11⅜	23⅜	3¾	11.3	**6B908**	6
16	25	4	15⅜	24⅜	3¾	15.6	**6B892**	6
20	20	4	19⅜	19⅜	3¾	15.6	**6B884**	6
20	24	4	19⅜	23⅜	3¾	8.8	**6B881**	6
20	25	4	19⅜	24⅜	3¾	9.5	**6B878**	6
24	24	4	23⅜	23⅜	3¾	2.5	**6B874**	6

Carbon Impregnated Pad
5W095

Activated Carbon Impregnated Filter Media Pad

- **Priced each. Sold individually (in store purchases only) and shipped in case quantity only**
- **Max. temperature: 150°F**

Polyester filter media impregnated with activated carbon (13 grams per square foot) provides dual air cleaning functions. Can be easily cut to size with scissors

Nominal Size (In.)			Item No.	Case Qty.
H	W	D		
25	25	¼	**5W095**	24

In stock orders placed directly with a Grainger branch or online by 5pm local time M-F will ship the same day.

Grease Baffles

- **Self-draining; handles included**
- **Priced each. Sold individually (in-store purchase only), and shipped in case quantity only**

Permanent filters balance air flow evenly throughout exhaust hoods in commercial kitchen applications. Also used for replacement of mesh filters in older hoods. Rugged 20-gauge galvanized steel baffle with drain holes. Easily cleaned by soaking, spraying, or running through dishwasher. Must be installed on an angle with baffles in vertical position.

Aerodynamic design maximizes the amount of grease captured and minimizes the amount of flame penetration. UL Listed to Standard AKUS.

Grease Baffles
4C882

Nominal Size* (In.)			Actual Size (In.)			Air Flow FPM	Resistance to Air Flow (In.)	Item No.	Case Qty.
H†	W	D	H†	W	D				
16	20	2	15½	19½	1¾	300	0.47	4C880	2
16	25	2	15½	24½	1¾	300	0.47	4C881	2
20	16	2	19½	15½	1¾	300	0.47	5C107	2
20	20	2	19½	19½	1¾	300	0.47	4C882	2
20	25	2	19½	24½	1¾	300	0.47	4C883	2
25	16	2	24½	15½	1¾	300	0.47	5C108	2
25	20	2	24½	19½	1¾	300	0.47	5C109	2

(*) First dimension (†) Vertical height of baffle.

Mesh Filters

- **1-piece frame**
- **Priced each. Sold individually (in-store purchase only) and shipped in case quantity only**

Widely used as roughing filters in HVAC applications. Washable filters can be vacuumed, sprayed, or run through a dishwasher for cleaning.

Aluminum
Rustproof filters are constructed of multiple layers of corrugated aluminum wire mesh in a heavy gauge aluminum U-channel frame.

Zinc-Coated Steel
Constructed of multiple layers of expanded corrugated steel mesh. Not recommended for outdoor applications. Optional handles snap on to filter flange without the use of rivets.

Aluminum Mesh
4C405

Mesh Filter Handles
4C410

Nominal Size (In.)			Actual Size (In.)			Max Velocity FPM	Initial Resistance (In. WC)	Item No.	Case Qty.
H	W	D	H	W	D				
Aluminum									
16	20	1	15½	19½	¾	350	0.4	**2TE94**	2
16	25	1	15½	24½	¾	350	0.4	**2TE95**	2
20	20	1	19½	19½	¾	350	0.4	**2TE96**	2
16	20	2	15½	19½	1¾	350	0.38	**2TE97**	2
16	25	2	15½	24½	1¾	350	0.38	**2TE98**	2
20	20	2	19½	19½	1¾	350	0.38	**2TE99**	2
20	25	2	19½	24½	1¾	350	0.38	**2TJ10**	2
24	24	2	23½	23½	1¾	350	0.38	**2TJ11**	2
Zinc-Coated Steel									
10	20	2	9½	19½	1¾	300	0.05	**4C405**	2
16	20	2	15½	19½	1¾	300	0.05	**4C406**	2
16	25	2	15½	24½	1¾	300	0.05	**4C407**	2
20	20	2	19½	19½	1¾	300	0.05	**4C408**	2
20	25	2	19½	24½	1¾	300	0.05	**4C409**	2
Handles for Mesh Filter								4C410	Pair (2)

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Air Handler®
Exclusively from Grainger.

Adhesive-Backed Gasket
6C523

Gasketing For Air Filters

Use to seal filters and avoid air bypass. Maximum temperature is 220°F. Chemical-resistant black neoprene foam with adhesive backing.

| | Actual Size | | Item |
W (In.)	Length (Ft.)	Thickness (In.)	No.
¹³⁄₁₆	75	⅛	**6C523**
¹³⁄₁₆	50	¼	**6C524**

Pad Holding Frame
6B840

Paint Collector Pad Holding Frame Modules/Accessories

- **Holds up to 2 Paint Collector Pads per module**
- **Priced each. Sold individually (in-store purchases only) and shipped in case quantity only**

Metal holding frames, grids, and support rods allow proper installation of Paint Collector Pads.

| | Actual Dim. (In.) | | | Item | Case |
Description	L	W	D	No.	Qty.
Filter Holding Frame	20	20	3	**6B840**	8
Single Wire Rod	20	—	—	**6B842**	8
Filter Holding Frame	20	25	3	**6B838**	8
Snap-In Grids	20	20	—	**6B839**	16
Snap-In Grids	20	25	—	**6B837**	16

Kraft Paper
6W753

Liner Paper/Protective Sheeting

- **Cut to desired size for walls and floors**
- **Meets state and local government requirements for EPA, NFPA Standard #33, OSHA Standard #1910.107**

High-grade, fire-retardant kraft paper is ideal for spray booths, welding areas, or potentially flammable operations.

Nominal Size (In. x Ft.)	Item No.
36 x 300	6W753
42 x 300	6W754
60 x 300	6W755
72 x 300	6W756

Make-up Air Filter
5W421

Spray Booth Make-Up Air Panel Filters

- **UL Class 2 (R13458)**
- **Max. temperature: 150°F**
- **Priced each. Sold individually (in-store purchases only) and shipped in case quantity only**

Two layers of 100% synthetic media, heatsealed inside polyester layers, create self-gasketing filter. White side to air entry side.

| Nominal Size (In.) | | | Actual Size (In.) | | | Max. Air Flow (FPM) | Recom. Initial Resis. (In.) | Final Resis. (In.) | Item No. | Case Qty. |
H	W	D	H	W	D					
12	24	1	11½	23½	1	500	0.27	1.0	**5W421**	12
20	20	1	19½	19½	1	500	0.27	1.0	**5W422**	12
20	25	1	19½	24½	1	500	0.27	1.0	**5W423**	12
24	24	1	23½	23½	1	500	0.27	1.0	**5W424**	12
20	50	1	19½	49½	1	500	0.27	1.0	**5W425**	10

In stock orders placed directly with a Grainger branch or online by 5pm local time M-F will ship the same day.

Paint Collector Pads and Rolls *All are UL Classified.*

Standard-Capacity Paper Pads
Six layers of kraft media are each slit and expanded into a mesh with baffle-like surfaces. Layers with larger baffled openings are at the front of the collector to remove larger overspray particulates. Final layers incorporate smaller baffled openings, collecting the remaining particulates.

High-Capacity Paper Pads
The first three layers (of a total of eight) employ extremely large baffle openings for maximum particulate-holding capacity. Ideal for use with heavier, tacky-type coatings, conventional coatings, and in situations requiring extended service life.

High-Solids Paper Pads
Five layers of expanded kraft media with multistage-designed baffle openings and one synthetic layer provide high-efficiency collection and straining, especially with high solids and waterborne coatings.

Standard-Capacity Fiberglass Pads
2 1⁄4"-thick media is progressively layered (air-entering to air-leaving) to enhance filter efficiency and service life. Loosely woven construction allows paint to load evenly without face loading.

Standard- and High-Capacity and High-Solid Rolls
Designed for use in all spray booth overspray applications and in high-production situations. Meet state and local requirements for EPA, NFPA Standard #33, and OSHA Standard #1910.107.

Paint Collector Pad
6W747

Paint Collector Roll
6B834

Paint Overspray Selection Guide

Coating	Standard Paper	High Capacity Paper	High Solid Paper	Fiberglass
Air-dry Enamels, Stains, Glazes, Fillers	Excellent	Excellent	Excellent	Good
Lacquers - Nitrocellulose, Sealers	Excellent	Good	Good	Excellent
Epoxies, Urethanes	Good	Excellent	Excellent	Poor
Asphalts, Fiberglass, Gel, Tar-Like, Teflon, Vinyls	Good	Excellent	Good	Poor
Adhesives	Good	Excellent	Fair	Poor
Bake-Dry Enamels, Clear Coats	Good	Excellent	Excellent	Good
Waterbornes	Good	Good	Excellent	Fair
High Solids Enamels	Fair	Fair	Good	Good

All coating types vary within product types due to viscosity, drying speed, etc. This guide is provided as a reference only.

| Nominal Size (In.) | | | Nominal | | | Item | Case |
H	W	D	Length (Ft.)	Media	Style	No.	Qty.
Paint Collector Pads							
20	20	1	—	Paper	Standard Capacity	**6W747**	50
20	25	1	—	Paper	Standard Capacity	**6W748**	50
20	20	1	—	Paper	High Capacity	**6W749**	30
20	25	1	—	Paper	High Capacity	**6W750**	30
20	20	1	—	Paper/Synthetic	High Solids	**6W751**	50
20	25	1	—	Paper/Synthetic	High Solids	**6W752**	50
20	20	2	—	Fiberglass	Standard Capacity	**2W001**	50
20	25	2	—	Fiberglass	Standard Capacity	**2W002**	50
Paint Collector Rolls							
20½	—	2½	260	Fiberglass	Standard Capacity	**6B845**	1
25½	—	2½	260	Fiberglass	Standard Capacity	**6B844**	1
30	—	2½	260	Fiberglass	Standard Capacity	**6C525**	1
36	—	2½	260	Fiberglass	Standard Capacity	**6C526**	1
41	—	2½	260	Fiberglass	Standard Capacity	**6C527**	1
48	—	2½	260	Fiberglass	Standard Capacity	**6C528**	1
60	—	2½	260	Fiberglass	Standard Capacity	**6B843**	1
40	—	1	40	Paper	Standard Capacity	**6B834**	1
40	—	1	20	Paper	High Capacity	**6B836**	1
40	—	1	30	Paper/Synthetic	High Solids	**6B835**	1

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Glossary of Terms

Arrestance – The percentage of test dust, by weight, that a filter is able to capture (ASHRAE 52.1)

ASHRAE – American Society of Heating, Refrigeration and Air Conditioning Engineers.

ASHRAE 52.1 Standard – Test standard for HVAC filters that measures arrestance, dust spot efficiency and dust holding capacity.

ASHRAE 52.2 Standard – Test standard that measures the fractional particle size efficiency (PSE) of an HVAC filter and assigns a MERV depending on the PSE in three different particle size ranges.

Contaminant – An unwanted airborne constituent that may reduce the acceptability of the air.

Dust Holding Capacity (DHC) – The weight of test dust a filter can hold at a specified final pressure drop (ASHRAE 52.1).

Dust Spot Efficiency – The filter's ability to remove naturally occurring atmospheric dust (ASHRAE 52.1).

Electrostatic (Electret) – Enhancement of a mechanical filter's capture efficiency, particularly in the attraction of smaller diameter particles, by imparting an electrostatic charge on the fibers in the media.

Hydrophobic – A characteristic of fibers in the media to repel moisture.

Minimum Efficiency Reporting Value (MERV) – A numerical system for comparing filters based on the particle size efficiency. A MERV 1 is least efficient and MERV 16 is the most efficient (ASHRAE 52.2)

Particle Size Efficiency (PSE) – The filter's ability to remove airborne particles in specific size ranges from 0.30 to 10.0 microns in diameter, using controlled aerosol consisting of potassium chloride (KCl).

Pressure Drop – The filter's resistance to airflow.

Formulas

$$\text{Media Velocity (fpm or m/s)} = \frac{\text{Airflow (cfm or m}^3\text{/s)}}{\text{Effective Media Area (ft}^2\text{ or m}^2\text{)}}$$

$$\text{Energy Consumption (E)} = \frac{QPT}{N1000} \quad \text{(KWh)}$$

Where: Q is Airflow (m³/s)
P is Average Pressure Loss (Pa)
T is Operation Time (hours)
N is Efficiency of Fan

Conversions

1 m/s = 196.8 fpm
1 m³/3 = 2,119 cfm
1 KWh + 3,413 Btu
1 Pa + 1.450 x 10⁻⁴ psi
1 Pa + 4.015 x 10⁻³ in. H₂O
1m² = 10.76 ft²

Filter Running Cost Chart

This chart shows the relationship between air flow pressure drop and energy cost (kWh) on the annual running cost. The lower the pressure drop, the lower the running cost of an HVAC system.

EXAMPLE 1: Air Filter
Clean pressure drop 0.40" WG with a Cost of $0.06/kWh
Annual running cost: $91

EXAMPLE 2: Air Filter
Clean pressure drop 0.60" WG with a Cost of $0.06/kWh
Annual running cost: $137

CONCLUSION:

Filter 2 running cost	$137
Less Filter 1 running cost	- 91
Running cost savings with Filter 1	$46/filter

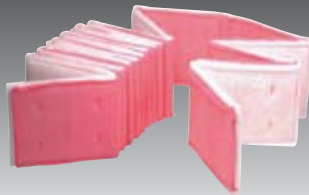**Initial Pressure Drop (In. Water)**

Cost (kWh)	0.30	0.40	0.50	0.60	0.70
$0.06	$73	$91	$114	$137	$160
0.08	91	121	152	183	213
0.10	121	152	190	229	266
0.12	146	183	229	274	320
0.14	160	213	267	320	373

ASSUMPTION: 2000 CFM at all pressure drops running 8760 hrs. per year.

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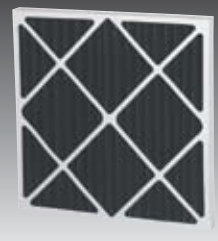
Fiberglass Pocket Filter **5W426**

3-Ply Link Filter **6B817**

Metal Faced Fiberglass **1W100**

Carbon Impregnated Pleat **6B899**

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