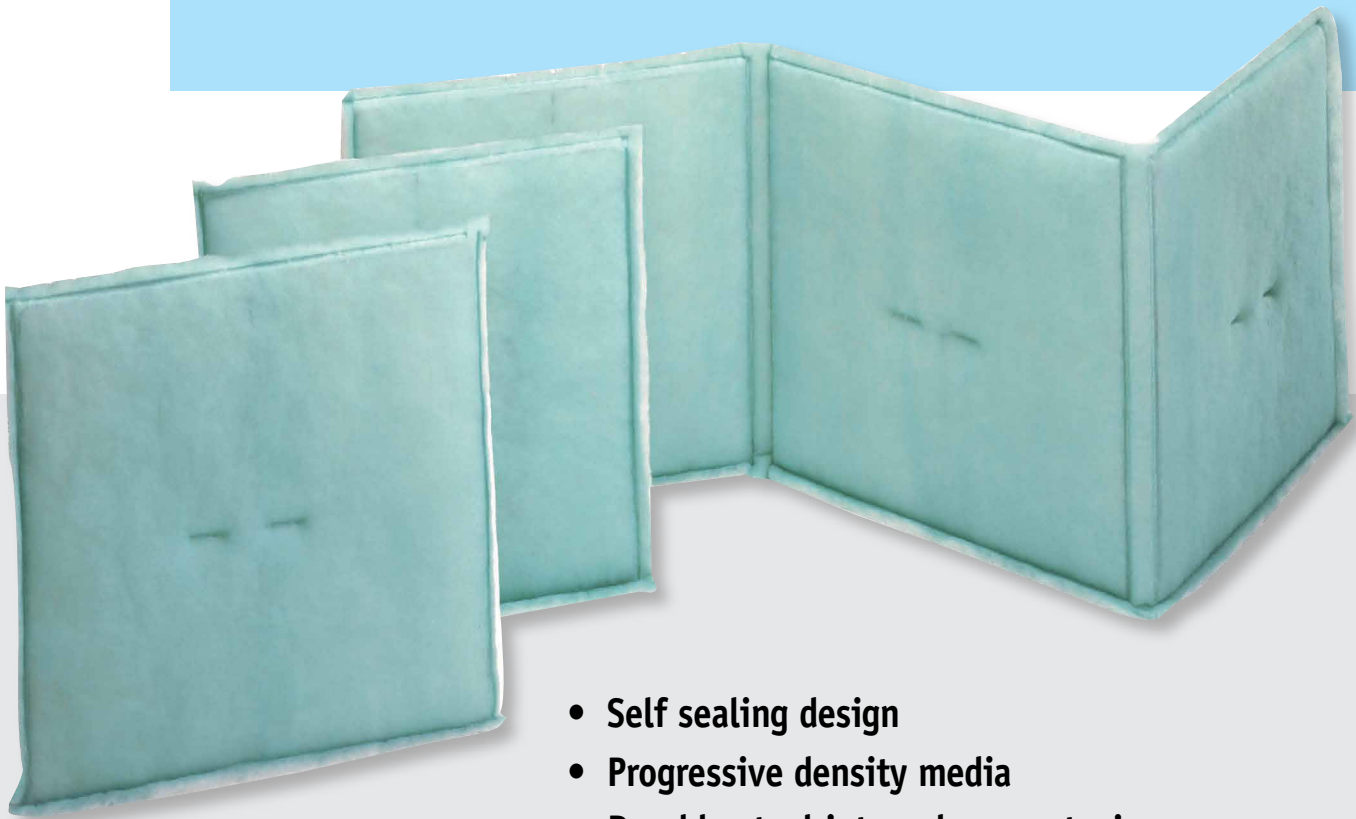


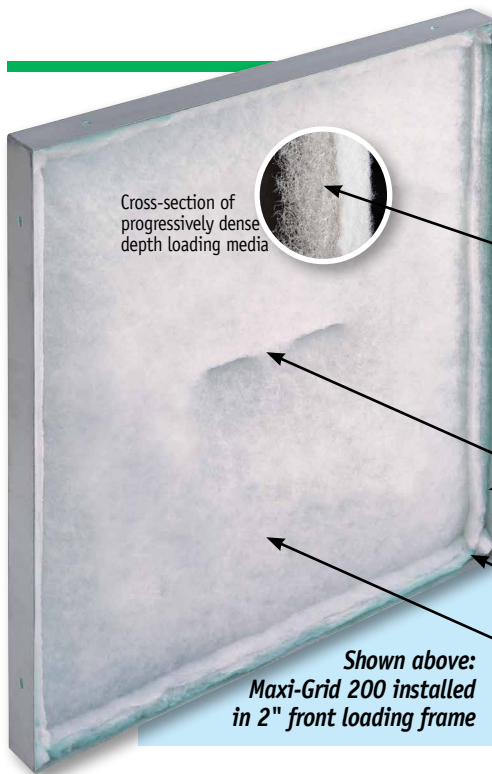
Maxi-Grid[™]

*A Complete Line of
Internally-Supported Panel Filters*



- Self sealing design
- Progressive density media
- Durable steel internal support wire
- Individual panels or link panels for front access holding frames or side-access housings
- Excellent filter for high moisture applications

Maxi-Grid™ Construction



Cross-section of progressively dense depth loading media

Progressively dense, moisture resistant synthetic filter media provides optimum combination of efficiency, dust holding capacity and low pressure drop.

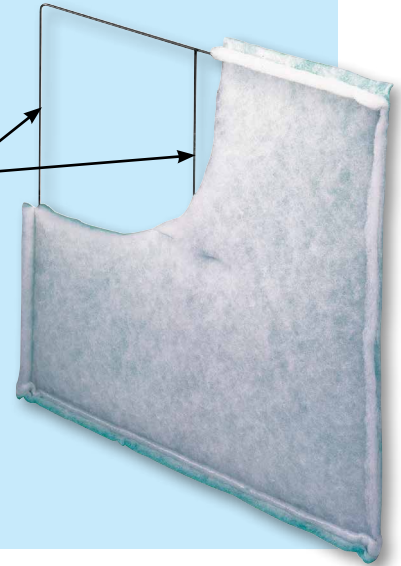
Heavy-duty, 9-gauge steel internal support wire with center cross wire provides rigidity and allows for easy installation.

Heat seal welds (in perimeter and center of filter) prevent media vibration during use. Filters may be installed vertically or horizontally.

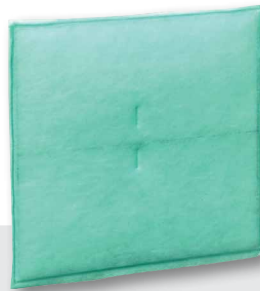
Self sealing gasket design eliminates air bypass and allows for installation with no clips or latches.

Shown above:
Maxi-Grid 200 installed
in 2" front loading frame

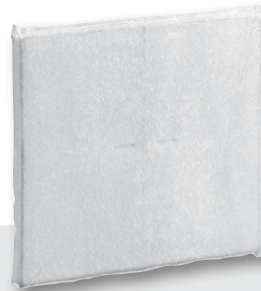
Specialized, non-migrating tackifier improves efficiency and dust holding capacity.



Maxi-Grid™ A Complete Line of Internally-Supported Panel filters



MG200



MG300



MG400

General Description and Primary Application(s)	Economical, 3-ply panel filter. For use in commercial buildings, hospitals, industrial plants, and paint spray booths.	All-purpose 3-ply panel filter. For use in commercial buildings, hospitals and industrial plants.	Heavy-duty 4-ply panel designed for applications requiring higher efficiency. For use in commercial buildings, hospitals, industrial plants, and paint spray booths.
Primary Feature	Cost-effective 3-ply	Excellent replacement for standard and high capacity pleated filters. Ideal for high moisture applications.	MERV 11, antimicrobial-treated, 4-ply panel.
Physical Description (upstream/downstream)	White / Green	White / White	White / Green
Steel wire support	Rust resistant, 9-gauge internal steel wire support	Rust resistant, 9-gauge internal steel wire support	Rust resistant, 9-gauge internal steel wire support
MERV Rating*	MERV 7	MERV 8	MERV 11
Initial Pressure Drop	.36" w.g. @ 400 FPM	.28" w.g. @ 400 FPM	.48" w.g. @ 400 FPM
Dust Holding Capacity*	243 grams @ 1.5" w.g.	268 grams @ 1.5" w.g.	195 grams @ 1.5" w.g.
Arrestance Efficiency**	89.76%	88.79%	92.53%
Tackifier (non-migrating)	Downstream	Encapsulated between 2nd and 3rd layers	Downstream
Antimicrobial Treatment	No	Yes	Yes

* According to ASHRAE 52.2

** According to ASHRAE 52.1

Maxi-Grid™ Space-saving packaging



Standard cardboard-framed filters packaged 12 per
Koch MG Panels packaged 24 in a single carton.

Koch Maxi-Grid Filters reduce the cost of shipping and storage by as much as half when compared to standard 2" filters. Standard cardboard-framed filters are packaged 12 per carton (shown on left), while Koch Maxi-Grid Panels are packaged 24 in a single carton.

Koch Maxi-Grid Panels will save valuable storage space, as well as allow maintenance personnel to make fewer trips when carrying filters to the air handler.



The Koch **MG300**, **MG400** and **MG550** earn the Koch Green Icon for one or more following categories:
Earns LEED Points, Reduces Energy Costs, Extends Filter Lifecycles, Conserves Resources, and Improves Indoor Environmental Quality.



MG550

3-ply all-white antimicrobial tackified panel with heavy duty wire support. For use in commercial buildings, hospitals, industrial plants, and paint spray booths.

Antimicrobial-treated, all-white "non-glare" panel.

White / White
(air exit marked)

Rust resistant, 9-gauge internal steel wire support

MERV 8

.33" w.g. @ 400 FPM

245 grams @ 1.5" w.g.

89.67%

Downstream

Yes



Slip-On Sleeves

Available in two versions, Type SS (polyester and spunbonded) and Type DL (dual-layered polyester). Both feature replaceable wire frames. For use in fan coil units, package air conditioning units in hotels, commercial buildings, and hospitals.

Economical replacement for fiberglass filters.
Individual sleeves or sleeve rolls.

White / White

Replaceable, rust resistant, 9-gauge internal steel wire

MERV 5

Type SS: .30" w.g./Type DL: .34" w.g. @ 400 FPM

Type SS: 105 grams/ Type DL: 140 grams @ 1.5" w.g.

85%

No tackifier

No



Link Panels

Koch Maxi-Grid Panels are also available linked in a continuous series of panels for installation into side access filter housings. Maxi-Grid Link Panels allow for quick and easy installation and removal of the filter from the channel as a single unit. Link Panels eliminate the possibility of air bypass caused by gaps between filters or gaps at the end of a filter track.

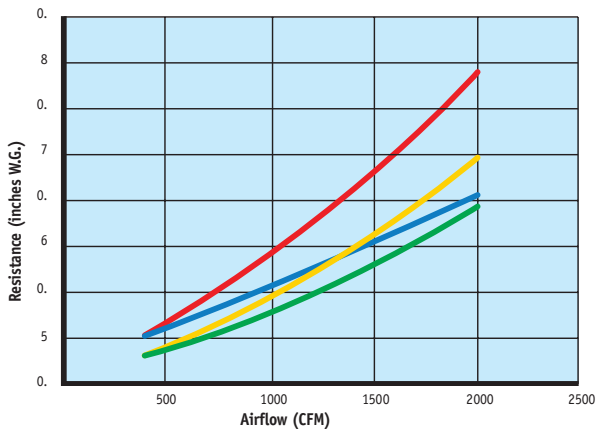


Koch **KR-1** and **Maxi-Grid 600** panels are also available for Paint Filtration applications. See Section 10 for a complete listing.

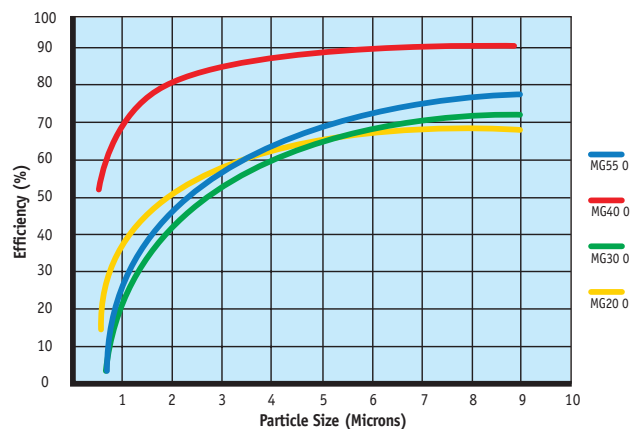
Maxi-Grid™ Technical Data and Performance Specifications

Nominal Size	Actual Wire Size	Capacity (CFM) Low/Med/High	Resistance (in. W.G.)											
			MG 200			MG 300			MG 400			MG 550		
			300	400	500 FPM	300	400	500 FPM	300	400	500 FPM	300	400	500 FPM
10 x 20"	9 ¹ / ₂ x 19 ¹ / ₂	417/556/694	.24/.36/.49	.19/.28/.38	.34/.48/.67	.25/.33/.41								
12 x 24	11 ¹ / ₂ x 23 ¹ / ₂	600/800/1000	.24/.36/.49	.19/.28/.38	.34/.48/.67	.25/.33/.41								
16 x 20	15 ¹ / ₂ x 19 ¹ / ₂	667/889/1111	.24/.36/.49	.19/.28/.38	.34/.48/.67	.25/.33/.41								
16 x 25	15 ¹ / ₂ x 24 ¹ / ₂	833/1111/1389	.24/.36/.49	.19/.28/.38	.34/.48/.67	.25/.33/.41								
20 x 20	19 ¹ / ₂ x 19 ¹ / ₂	833/1111/1389	.24/.36/.49	.19/.28/.38	.34/.48/.67	.25/.33/.41								
20 x 24	19 ¹ / ₂ x 23 ¹ / ₂	1000/1333/1667	.24/.36/.49	.19/.28/.38	.34/.48/.67	.25/.33/.41								
20 x 25	19 ¹ / ₂ x 24 ¹ / ₂	1050/1388/1736	.24/.36/.49	.19/.28/.38	.34/.48/.67	.25/.33/.41								
24 x 24	23 ¹ / ₂ x 23 ¹ / ₂	1200/1600/2000	.24/.36/.49	.19/.28/.38	.34/.48/.67	.25/.33/.41								

Airflow vs. Resistance



Particle Fractional Efficiency



The Complete Line of Air Filtration Products for Commercial, Industrial, Hospital, Gas Turbine and Paint Filtration Applications.

Koch Filter Corporation:

Founded in 1966 by Joseph Koch and still managed by the Koch family, Koch Filter Corporation is a world class manufacturer of air filtration products. Koch Filter is recognized globally for its premier brand of high efficiency air filtration products and the industry's broadest range of air filters for any application. Our wide array of filtration products is currently installed in over 50,000 commercial, medical and industrial accounts worldwide.

More sizes are available. Please consult price list or contact factory.



Look for the Koch Green icon! Whenever you see the Koch Green icon, we are identifying a product that meets or exceeds our criteria in one or more of the following categories: Earns LEED Points, Reduces Energy Costs, Extends Filter Lifecycles, Conserves Resources, and Improves Indoor Environmental Quality.

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