

# Maxi-Grid™

A Completer Line of Internally-Supported Panel Filters

## Koch Maxi-Grid internally-supported panel filters

Designed for use in commercial buildings, hospitals, industrial applications and paint spray booths. The Maxi-Grid synthetic media is an ideal choice for high moisture applications. The Maxi-Grid self sealing design and steel internal support wire offer durability for in all conditions. The progressively dense media offers high dust holding capacity. Available in individual panels or combination link panels for front access holding frames or side-access housings. Antimicrobial options available for the MG300, MG400 and MG550 models.



### MG200

- 3-ply panel filter for economical use in commercial, hospitals, paint spray booths.
- Initial Pressure Drop: 0.36" w.g. @ 400FPM
- Dust Holding Capacity: 243 grams @ 1.5" w.g.
- Arrestance Efficiency: 89.76%
- MERV 7 performance rating (ASHRAE Test Standard 52.2-2012).
- Tackifier: Downstream



### MG300

- 3-ply panel filter for all-purpose applications.
- Initial Pressure Drop: 0.28" w.g. @ 400FPM
- Dust Holding Capacity: 268 grams @ 1.5" w.g.
- Arrestance Efficiency: 88.79%
- MERV 8 performance rating (ASHRAE Test Standard 52.2-2012).
- Tackifier: Encapsulated between 2nd and 3rd layers



### MG400

- 4-ply panel filter designed for applications requiring higher efficiency.
- Initial Pressure Drop: 0.48" w.g. @ 400FPM
- Dust Holding Capacity: 195 grams @ 1.5" w.g.
- Arrestance Efficiency: 92.53%
- MERV 11 performance rating (ASHRAE Test Standard 52.2-2012).
- Tackifier: Downstream



### MG550

- 3-ply panel antimicrobial tackified filter with heavy duty wire support.
- Initial Pressure Drop: 0.28" w.g. @ 400FPM
- Dust Holding Capacity: 268 grams @ 1.5" w.g.
- Arrestance Efficiency: 88.79%
- MERV 8 performance rating (ASHRAE Test Standard 52.2-2012).
- Tackifier: Encapsulated between 2nd and 3rd layers

## Maxi-Grid™ Technical Data

| Nominal Size | Actual Wire Size | MG200 Resistance (in. w.g.) |      |      | MG300 Resistance (in. w.g.) |      |      | MG400 Resistance (in. w.g.) |      |      | MG550 Resistance (in. w.g.) |      |      |
|--------------|------------------|-----------------------------|------|------|-----------------------------|------|------|-----------------------------|------|------|-----------------------------|------|------|
|              |                  | @300                        | @400 | @500 | @300                        | @400 | @500 | @300                        | @400 | @500 | @300                        | @400 | @500 |
| 10 x 20      | 9.50 x 19.50     | 0.24                        | 0.36 | 0.49 | 0.19                        | 0.28 | 0.38 | 0.34                        | 0.48 | 0.67 | 0.25                        | 0.33 | 0.41 |
| 12 x 24      | 11.50 x 23.50    | 0.24                        | 0.36 | 0.49 | 0.19                        | 0.28 | 0.38 | 0.34                        | 0.48 | 0.67 | 0.25                        | 0.33 | 0.41 |
| 16 x 20      | 15.50 x 19.50    | 0.24                        | 0.36 | 0.49 | 0.19                        | 0.28 | 0.38 | 0.34                        | 0.48 | 0.67 | 0.25                        | 0.33 | 0.41 |
| 16 x 25      | 15.50 x 24.50    | 0.24                        | 0.36 | 0.49 | 0.19                        | 0.28 | 0.38 | 0.34                        | 0.48 | 0.67 | 0.25                        | 0.33 | 0.41 |
| 20 x 20      | 19.50 x 19.50    | 0.24                        | 0.36 | 0.49 | 0.19                        | 0.28 | 0.38 | 0.34                        | 0.48 | 0.67 | 0.25                        | 0.33 | 0.41 |
| 20 x 24      | 19.50 x 23.50    | 0.24                        | 0.36 | 0.49 | 0.19                        | 0.28 | 0.38 | 0.34                        | 0.48 | 0.67 | 0.25                        | 0.33 | 0.41 |
| 20 x 25      | 19.50 x 24.50    | 0.24                        | 0.36 | 0.49 | 0.19                        | 0.28 | 0.38 | 0.34                        | 0.48 | 0.67 | 0.25                        | 0.33 | 0.41 |
| 24 x 24      | 23.50 x 23.50    | 0.24                        | 0.36 | 0.49 | 0.19                        | 0.28 | 0.38 | 0.34                        | 0.48 | 0.67 | 0.25                        | 0.33 | 0.41 |

| Nominal Size | Actual Wire Size | Capacity (CFM) |      |      |
|--------------|------------------|----------------|------|------|
|              |                  | @300           | @400 | @500 |
| 10 x 20      | 9.50 x 19.50     | 417            | 556  | 694  |
| 12 x 24      | 11.50 x 23.50    | 600            | 800  | 1000 |
| 16 x 20      | 15.50 x 19.50    | 667            | 889  | 1111 |
| 16 x 25      | 15.50 x 24.50    | 833            | 1111 | 1389 |
| 20 x 20      | 19.50 x 19.50    | 833            | 1111 | 1389 |
| 20 x 24      | 19.50 x 23.50    | 1000           | 1333 | 1667 |
| 20 x 25      | 19.50 x 24.50    | 1050           | 1388 | 1736 |
| 24 x 24      | 23.50 x 23.50    | 1200           | 1600 | 2000 |



### Slip-On-Sleeves

- Economical replacement for fiberglass filters.
- Individual sleeves or sleeve rolls.
- 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.
- Initial Pressure Drop:
  - Type SS: .30" w.g. @ 400 FPM
  - Type DL: .34" w.g. @ 400 FPM
- Dust Holding Capacity:
  - Type SS: 105 grams @ 1.5" w.g.
  - Type DL: 140 grams @ 1.5" w.g.
- Arrestance Efficiency: 85%
- MERV 5 performance rating (ASHRAE Test Standard 52.2-2012).
- No Tackifier

### Space-saving packaging



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.



**KOCHFILTER®**  
PURE PERFORMANCE

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