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## DP® Standard-Capacity - Standard Size Pleated Filters

Part #: **0450105**



DP® (MERV 10/8A) standard-capacity pleated air filters exhibit low pressure drop and high dust-holding capacity for performance in challenging HVAC applications.

Available in multiple sizes (1-, 2-, and 4-in. thickness).

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## Technical Specifications

|                            |                                                 |
|----------------------------|-------------------------------------------------|
| Nominal Filter Size:       | 24 x 24 x 1                                     |
| Air Filter Ply:            | N/A                                             |
| Application:               | Commercial & Industrial                         |
| Brand:                     | Airguard                                        |
| Filter Efficiency Rating:  | = 70 % at 3.0 to 10.0 Micron                    |
| Filter Type:               | Die-Cut Panel                                   |
| Header Size:               | N/A                                             |
| Materials of Construction: | Moisture Resistant Beverage Board Frame         |
| Media:                     | Synthetic                                       |
| Merv Rating:               | MERV 8                                          |
| Pleat Separator Type:      | Wire Back                                       |
| Product Type:              | Pleated Air Filters                             |
| Size:                      | 24 x 24 x 1                                     |
| Specifications Met:        | Classified Per UL Standard 900 for Flammability |
| Reusable/ Disposable:      | DISPOSABLE                                      |

## Item Information

DP® standard-capacity extended surface, pleated air filters with Airguard® technology are suitable for use in virtually any air handling system, including filter banks, central station air handlers, rooftop units, side access housings, as final filters for systems with MERV 10 or MERV-A 8-A requirements or pre filters in multi-stage systems.

The filters are manufactured using sophisticated production control techniques to ensure consistent pleat count, height, shape, and spacing, which contributes to better performance and longer service life. Predetermined pleat centers allow dirt to collect evenly over the entire surface of the media, resulting in a slow, steady rise in resistance to ensure maximum dust-holding capacity. The two-piece frame with double-wall thickness around the outer edge provides rigidity. This coupled with a die-cut pattern with 50% more contact points between the media pack and the frame, gives DP® standard-capacity filters superior durability for use in demanding environments, where harsh conditions often cause alternative filter products to fail prematurely.

All DP® standard-capacity filters exceed ASHRAE Standard 52.2 air cleaning specifications for filters installed upstream of cooling coils. Filters may be installed with the pleats either vertical (preferred) or horizontal.

### Markets:

☑Commercial and Industrial HVAC

☑Process Air Filtration

### Applications:

☑Air handling systems

☑Rooftop units

☑Side access housings

☑Built-up filter banks

☑Pre-filters in multi-stage systems

### Benefits:

☑Exceeds American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Standard 52.2 air cleaning specifications for filters installed upstream of cooling coils

☑100% thermally bonded synthetic, proprietary media resists moisture, delaminating, excessive buckling, collapsing, warping, and bending

☑Available in a wide range of sizes and air flow rates to meet the unique requirements of customers' systems

☑Low initial resistance facilitates efficiency and energy savings

☑Resistant to mold and microbial growth

☑Performs to MERV 10 and MERV-A 8-A before and after a conditioning step

### Features:

☑Filtration efficiency: MERV 10, MERV-A 8-A

☑Nominal thickness (in.): 1, 2, 4

☑Rated air velocity (fpm): 300–625

☑Initial resistances (in.w.g.): 0.17–0.25

Final resistance (in.w.g.): 1.0

Maximum operating temperatures: 225 °F (107 °C)

Material of construction: moisture-resistant beverage board frame; rust-resistant, expanded metal support grid made of galvanized steel

Classified per UL Standard 900 for flammability



Related Documents



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