



*Innovative  
Clean Air  
Solutions*

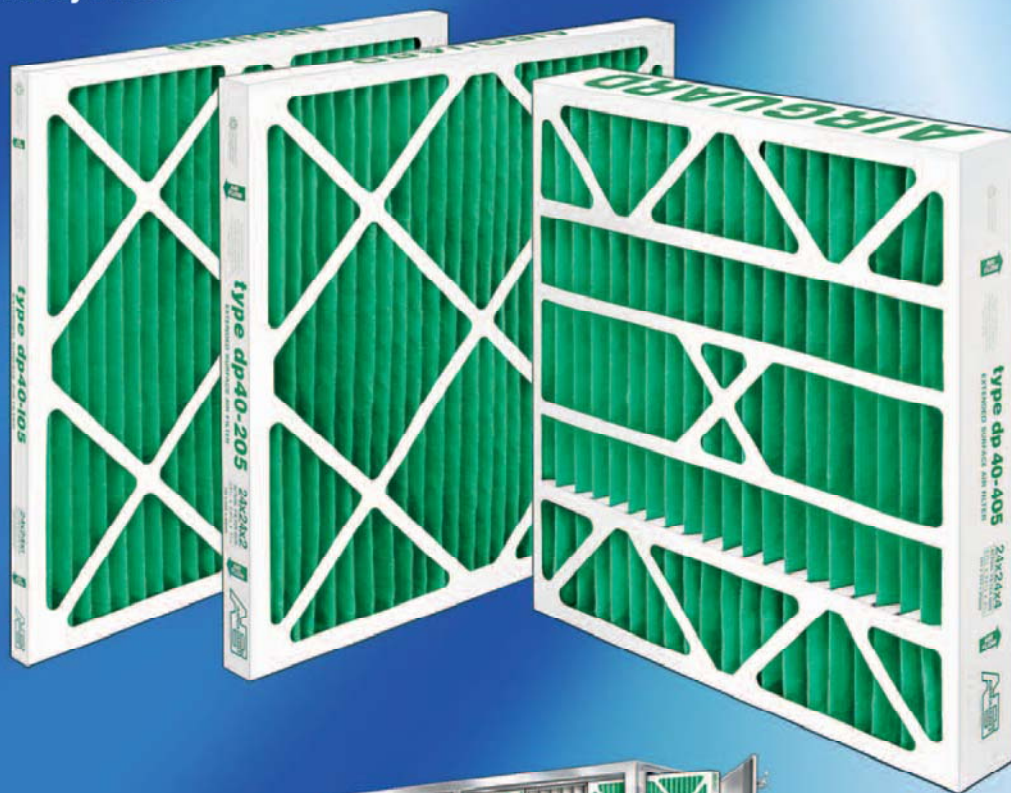
## Type DP®/DP Max

**Extended Surface  
Pleated Panel Filters**

**The Industry's Largest Selling  
Brand of Pleated Filters**

- Quality Engineered
- Consistently Produced
- Widest Selection
- Industry's Largest Inventory
- Competitively Priced

**The Best  
Just Got Better-  
DP Pleats Now  
Rated MERV 7**



UL CERTIFICATE  
A4915

# Type DP<sup>®</sup>/DP Max

## Extended Surface Pleated Panel Filters

Exceeds ASHRAE Standard 62  
air cleaning specifications for  
filters installed upstream of  
cooling coils.

- **Type DP** The industry standard for performance and value for over 30 years. 25-30% efficiency, MERV 7.
- **DP Max** 25-30% efficiency, MERV 7. Reduced pleat count for maximum economy.

**Nobody Sells More Pleats  
than Airguard. Here's  
Why ...**

**QUALITY  
ENGINEERED**

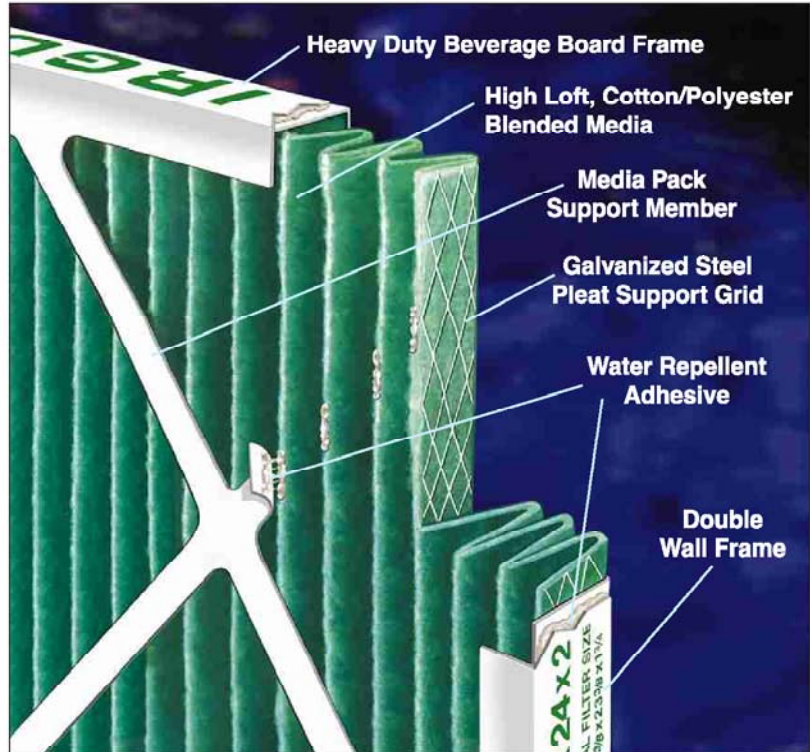
### Proprietary Media - Assures Rated Efficiency

The heart of the product. Airguard medias are manufactured to exclusive specifications produced only for Airguard. Nobody pays more attention to media specifications than Airguard. Rigid requirements for resistance, efficiency, MERV values and dust holding capacity are verified by QC checks on incoming raw materials, production line sampling and field audits of finished goods.

**Mechanical (Uncharged) Media** - DP and DP Max filters are made with a blend of cotton and polyester fibers providing a totally mechanical efficiency that increases as the filter loads. No electrostatic charge is applied to the fibers.

**Heavy Duty Beverage Board Frame** - Moisture resistant, sturdy frame material stands up to rough handling, difficult service conditions, long service life.

**Two Piece Frame Construction** - Double wall thickness around the outer edge and integral die cut cross members provide strength and rigidity. DP filters will not rack, warp or bend under normal handling or operating conditions.



*All DP filters are designed with a consistent pleat shape on predetermined centers causing dirt to collect evenly over the entire surface of the media. Fully utilizing every square inch results in a slow steady rise in resistance for maximum dust holding capacity.*

**Pleat Stabilizers** - The 4" deep filters are designed with individual die cut fingers that separate and stabilize each pleat. Consistent pleat alignment enhances dust holding capacity for longer service life.



### Water Repellent Adhesive - Adheres Even When Wet

The adhesive used to bond the frame and media pack into a unitized assembly is highly water repellent. The pleats hold together even when wet. No delaminating, no excessive buckling, no collapsing.

### Galvanized Steel Pleat Support - Prevents Rust

How many pleats have you seen with rust flaking off the grid? The Airguard expanded metal pleat support grid is made of galvanized steel for maximum rust resistance. The metal grid maintains pleat shape and prevents fluttering in operation. Consistent pleat shape minimizes resistance and improves dirt loading characteristics throughout the life of the filter.

## **Consistent pleat alignment and rigidity assure maximum dirt loading and longer filter life**

### **CONSISTENTLY PRODUCED**

**Uniform Pleat Shape - Holds More Dirt**  
Consistent pleat shape produces optimum performance. Sophisticated production control techniques assure consistent pleat count, pleat height, pleat shape and spacing.

**100% Adhesive Application - Assures Filter Integrity**

The inside of the die cut frame is completely coated with adhesive to assure a solid bond at all points of contact. The die cut boxes are bonded to each other. The media pack is sealed inside the frame and the pleat tips are bonded to the diagonal support members.

### **WIDEST SELECTION**

Airguard produces 17 different models to choose from. Nobody offers more styles of pleated filters. (Refer to Brochure KA-288 for additional models.)

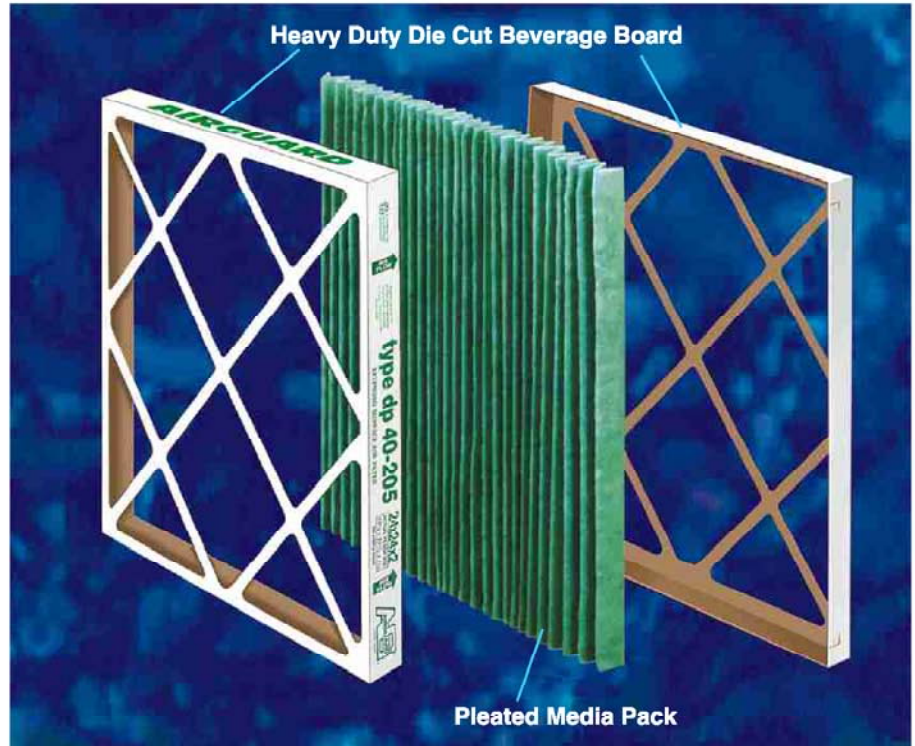
### **LARGEST INVENTORY**

We know ready availability is critical to meeting your needs for clean air... on time. All our Distribution Centers are kept fully stocked with pleats the year around. *Nobody stocks more pleats than Airguard.*

### **COMPETITIVELY PRICED**

Ask your Airguard representative for a quote today.

Compare the performance and value of DP pleats to other types of filters including disposable panel filters, ring panels, pads and frames or permanent filters for efficiency, low resistance, high dust holding capacity, durability and price. *Airguard pleats can't be beat!*



*Two mating pieces of die cut beverage board form a double wall frame around all four edges of the filter. DP filters will not rack or warp under normal operating conditions.*

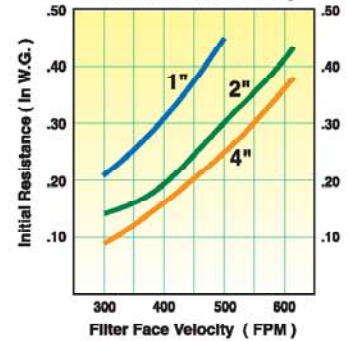


*Two stage side access housing. Type DP prefilters shown with Clean-Pak pocket filters as final filters.*

Nominal Size (2) W x H x D	Actual Size W x H x D	Air Flow Capacity (CFM)			Initial Resistance 1" @ 300 FPM 2", 4" @ 500 FPM		Gross Media Area (Sq. Ft.)	
		300 FPM	500 FPM	625 FPM	Type DP	DP MAX	Type DP	DP MAX
10 x 20 x 1	9-1/2 x 19-1/2 x 3/4	425	700	N/R	.21	.22	3.1	2.4
12 x 20 x 1	11-1/2 x 19-1/2 x 3/4	500	840	N/R	.21	.22	3.6	2.1
12 x 24 x 1	11-3/8 x 23-3/8 x 3/4	600	1000	N/R	.21	.22	4.3	3.1
14 x 20 x 1	13-1/2 x 19-1/2 x 3/4	590	980	N/R	.21	.22	4.3	3.3
14 x 25 x 1	13-1/2 x 24-1/2 x 3/4	730	1220	N/R	.21	.22	5.4	4.2
15 x 20 x 1	14-1/2 x 19-1/2 x 3/4	630	1050	N/R	.21	.22	4.5	3.6
16 x 20 x 1	15-1/2 x 19-1/2 x 3/4	670	1120	N/R	.21	.22	5.0	3.8
16 x 25 x 1	15-1/2 x 24-1/2 x 3/4	840	1400	N/R	.21	.22	6.3	4.8
18 x 24 x 1	17-3/8 x 23-3/8 x 3/4	900	1500	N/R	.21	.22	6.6	4.8
18 x 25 x 1	17-1/2 x 24-1/2 x 3/4	940	1570	N/R	.21	.22	6.9	5.4
20 x 20 x 1	19-1/2 x 19-1/2 x 3/4	840	1400	N/R	.21	.22	6.2	4.8
20 x 25 x 1	19-1/2 x 24-1/2 x 3/4	1050	1750	N/R	.21	.22	7.8	6.0
24 x 24 x 1	23-3/8 x 23-3/8 x 3/4	1200	2000	N/R	.21	.22	8.8	6.6
25 x 25 x 1	24-1/2 x 24-1/2 x 3/4	1310	2170	N/R	.21	.22	9.9	7.5
30 x 20 x 1	29-1/2 x 19-1/2 x 3/4	1250	2080	N/R	.21	.22	9.3	7.1
10 x 20 x 2	9-1/2 x 19-1/2 x 1-3/4	425	700	870	.30	.32	6.2	4.7
12 x 20 x 2	11-1/2 x 19-1/2 x 1-3/4	500	840	1050	.30	.32	7.2	5.2
12 x 24 x 2	11-3/8 x 23-3/8 x 1-3/4	600	1000	1250	.30	.32	8.6	5.6
14 x 20 x 2	13-1/2 x 19-1/2 x 1-3/4	590	980	1220	.30	.32	8.8	5.7
14 x 25 x 2	13-1/2 x 24-1/2 x 1-3/4	730	1220	1525	.30	.32	10.9	7.1
14-1/2 x 26-3/4 x 2	14-1/2 x 26-3/4 x 1-3/4	810	1350	1690	.30	.32	12.8	8.8
15 x 20 x 2	14-1/2 x 19-1/2 x 1-3/4	630	1050	1310	.30	.32	9.3	6.2
16 x 20 x 2	15-1/2 x 19-1/2 x 1-3/4	670	1120	1400	.30	.32	9.9	6.7
16 x 24 x 2	15-3/8 x 23-3/8 x 1-3/4	800	1340	1670	.30	.32	11.7	8.0
16 x 25 x 2	15-1/2 x 24-1/2 x 1-3/4	840	1400	1750	.30	.32	12.3	8.4
18 x 20 x 2	17-1/2 x 19-1/2 x 1-3/4	750	1250	1570	.30	.32	11.3	7.8
18 x 24 x 2	17-3/8 x 23-3/8 x 1-3/4	900	1500	1875	.30	.32	13.6	9.3
18 x 25 x 2	17-1/2 x 24-1/2 x 1-3/4	940	1570	1960	.30	.32	14.2	9.7
20 x 20 x 2	19-1/2 x 19-1/2 x 1-3/4	840	1400	1750	.30	.32	12.4	8.3
20 x 24 x 2	19-3/8 x 23-3/8 x 1-3/4	1000	1670	2090	.30	.32	14.8	9.9
20 x 25 x 2	19-1/2 x 24-1/2 x 1-3/4	1050	1750	2170	.30	.32	15.5	10.3
24 x 24 x 2	23-3/8 x 23-3/8 x 1-3/4	1200	2000	2500	.30	.32	17.9	11.7
25 x 25 x 2	24-1/2 x 24-1/2 x 1-3/4	1310	2170	2720	.30	.32	20.0	13.6
12 x 24 x 4	11-3/8 x 23-3/8 x 3-3/4	600	1000	1250	.25	.27	12.4	10.0
14-1/2 x 26-3/4 x 4	14-1/2 x 26-3/4 x 3-3/4	810	1350	1690	.25	.27	20.8	14.3
16 x 20 x 4	15-1/2 x 19-1/2 x 3-3/4	670	1120	1400	.25	.27	14.6	11.5
16 x 25 x 4	15-1/2 x 24-1/2 x 3-3/4	840	1400	1750	.25	.27	18.3	14.3
18 x 24 x 4	17-3/8 x 23-3/8 x 3-3/4	900	1500	1875	.25	.27	19.9	14.9
20 x 20 x 4	19-1/2 x 19-1/2 x 3-3/4	840	1400	1750	.25	.27	18.8	14.6
20 x 24 x 4	19-3/8 x 23-3/8 x 3-3/4	1000	1670	2090	.25	.27	22.4	16.2
20 x 25 x 4	19-1/2 x 24-1/2 x 3-3/4	1050	1750	2170	.25	.27	23.5	18.3
24 x 24 x 4	23-3/8 x 23-3/8 x 3-3/4	1200	2000	2500	.25	.27	26.1	19.9
28-1/2 x 24-1/2 x 4	28-1/2 x 24-1/2 x 3-3/4	1460	2430	3030	.25	.27	32.6	24.9
30 x 28 x 4	29-1/2 x 27-1/2 x 3-3/4	1750	2920	3650	.25	.27	38.5	31.1
12 x 24 x 6	11-3/8 x 23-3/8 x 5-7/8	600	1000	1250	-	.29	-	16.9
16 x 20 x 6	15-1/2 x 19-1/2 x 5-7/8	670	1120	1400	-	.29	-	18.9
16 x 25 x 6	15-1/2 x 24-1/2 x 5-7/8	840	1400	1750	-	.29	-	23.6
18 x 24 x 6	17-3/8 x 23-3/8 x 5-7/8	900	1500	1875	-	.29	-	26.3
20 x 20 x 6	19-1/2 x 19-1/2 x 5-7/8	840	1400	1750	-	.29	-	23.7
20 x 24 x 6	19-3/8 x 23-3/8 x 5-7/8	1000	1670	2090	-	.29	-	28.2
20 x 25 x 6	19-1/2 x 24-1/2 x 5-7/8	1050	1750	2170	-	.29	-	29.5
24 x 24 x 6	23-3/8 x 23-3/8 x 5-7/8	1200	2000	2500	-	.29	-	33.8

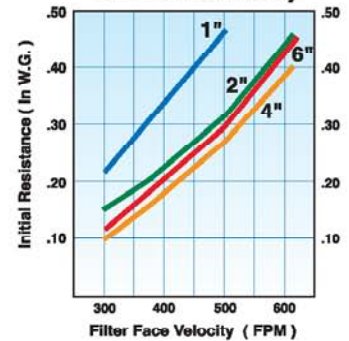
## Type DP Filters

Initial Resistance vs. Filter Face Velocity



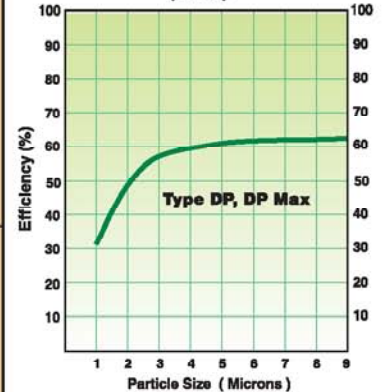
## DP Max Filters

Initial Resistance vs. Filter Face Velocity



## Efficiency by Particle Size

(Clean)



- Rated Efficiency: Type DP 25-30%, MERV 7. DP Max 25-30%, MERV 7. Arrestance: 90-93%. All performance data is based on the ASHRAE 52.1 and 52.2 Test Standards.
- Filters may be installed with the pleats either vertical (preferred) or horizontal.
- 6" deep sizes are available in DP Max models only.

Underwriters Laboratories, Inc. Classification: Type DP and DP Max filters are classified U.L. Class 2 per U.L. Standard 900.

Operating Temperature Limit: Maximum operating temperature is 225°F (107°C).

Pleat Count -	1"	2"	4"	6"
	(Pleats per foot)			
Type DP -	14.0	14.3	10.8	-
DP Max -	12.3	10.0	8.2	9.2



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