Airguard® MERV 10 Filters

High-Efficiency 1", 2", and 4" Pleated Extended Surface Filters with Wire Reinforced Grid Panel



Parker filters are an excellent choice for improving indoor air quality and extending the life of downstream filters for Commercial, Industrial, and Schools/ Universities HVAC Applications

Parker Airguard® MERV 10 filters effectively trap dust and particles in multi-stage HVAC systems. Our specially engineered synthetic hydrophobic media outperforms lower efficiency filters, with higher particle removal efficiency. The media's strength is enhanced by an electroplated galvanized metal grid that maintains structural integrity of pleat geometry, even when filled with dust and moisture.

Adding to the MERV 10 filters' durability is a two-piece, water-resistant beverage board coated with a water-repellent adhesive. The frame construction features a seven-strap diagonal support pattern with pleat tips bonded at all contact points and interlocking flaps in the frame corners. Additionally, the media is fully glued to the frame on all four sides, eliminating air bypass.



Proven. Tested. Trusted.

Markets:

- Schools and universities
- Hospitals and healthcare facilities
- Hotels and entertainment complexes
- Food processing
- Microelectronics manufacturing
- Data centers
- Commercial office buildings
- Clean manufacturing facilities
- Government institutions
- Industrial manufacturing

Contact Information:

Air Cleaning Specialists, Inc.
11088 Gravois Industrial Ct.
St. Louis, MO 63128

866.986.7858
info@aircleaningspecialists.com

Product Features:

- Mechanical efficiency per ISO 16890-4 ensures consistent particle capture over the filter's life span.
- Meets MERV 10 efficiency per ASHRAE 52.2 and ePM_{10} 60% per ISO 16890
- Specially engineered hydrophobic media offers higher particulate removal efficiency as compared to standard commercial grade filters
- Media is 100% non-woven synthetic material
- Electroplated galvanized metal grid laminated to media for increased strength and rigidity
- Two-piece, die-cut, water-resistant beverage board features water-repellent adhesive
- Durable frame construction with diagonal supports, bonded pleat tips, and interlocking flaps in frame corners
- Fully sealed media eliminates air bypass
- Low pressure drop reduces energy usage
- Long filter life and fewer change outs
- Lightweight construction
- Classified per UL Standard 900 for flammability
- Available in standard and high capacity 1", 2", 4" depths

Parker Airguard MERV 10 Filters Deliver Long Life and Improves Indoor Air Quality.

Specifications

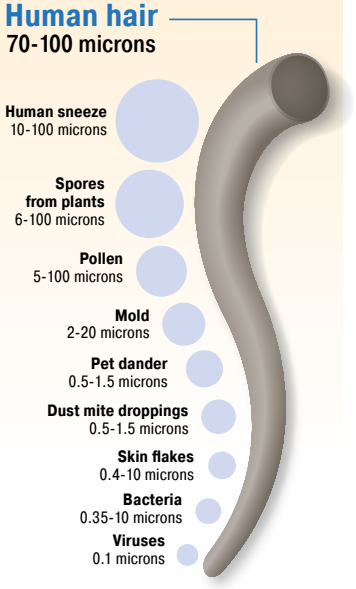
Parker Airguard MERV 10 filters are recommended as a general-purpose HVAC filter for commercial, industrial and schools and universities applications.

DP-M10-HC

Model Number	Nominal Size (W x H x D) Inches	Actual Size (W x H x D) Inches	Rated Face Velocity (FPM)	Rated Air Flow Capacity (CFM)	Initial Resistance (Inches W.G.) @ Rated Air Flow	Media Area (Square Feet)
DP-M10-HC-101001	10 x 10 x 1	9-1/2 x 9-1/2 x 3/4	300	210	0.21	1.6
DP-M10-HC-102001	10 x 20 x 1	9-1/2 x 19-1/2 x 3/4	300	415	0.21	2.6
DP-M10-HC-102401	10 x 24 x 1	9-3/8 x 23-3/8 x 3/4	300	500	0.21	3.1
DP-M10-HC-121201	12 x 12 x 1	11-3/4 x 11-3/4 x 3/4	300	300	0.21	1.9
DP-M10-HC-121601	12 x 16 x 1	11-1/2 x 15-3/4 x 3/4	300	400	0.21	2.5
DP-M10-HC-122001	12 x 20 x 1	11-1/2 x 19-1/2 x 3/4	300	500	0.21	3.1
DP-M10-HC-122401	12 x 24 x 1	11-3/8 x 23-3/8 x 3/4	300	600	0.21	3.7
DP-M10-HC-141401	14 x 14 x 1	13-3/4 x 13-3/4 x 3/4	300	410	0.21	2.7
DP-M10-HC-142001	14 x 20 x 1	13-1/2 x 19-1/2 x 3/4	300	585	0.21	3.8
DP-M10-HC-142401	14 x 24 x 1	13-3/8 x 23-3/8 x 3/4	300	700	0.21	4.6
DP-M10-HC-142501	14 x 25 x 1	13-1/2 x 24-1/2 x 3/4	300	730	0.21	4.8
DP-M10-HC-152001	15 x 20 x 1	14-1/2 x 19-1/2 x 3/4	300	625	0.21	4.1
DP-M10-HC-161601	16 x 16 x 1	15-1/2 x 15-1/2 x 3/4	300	530	0.21	3.5
DP-M10-HC-162001	16 x 20 x 1	15-1/2 x 19-1/2 x 3/4	300	665	0.21	4.3
DP-M10-HC-162401	16 x 24 x 1	15-3/8 x 23-3/8 x 3/4	300	800	0.21	5.1
DP-M10-HC-162501	16 x 25 x 1	15-1/2 x 24-1/2 x 3/4	300	835	0.21	5.4
DP-M10-HC-181801	18 x 18 x 1	17-3/4 x 17-3/4 x 3/4	300	675	0.21	4.3
DP-M10-HC-182001	18 x 20 x 1	17-3/8 x 19-1/2 x 3/4	300	750	0.21	4.8
DP-M10-HC-182201	18 x 22 x 1	17-3/8 x 21-1/2 x 3/4	300	825	0.21	5.7
DP-M10-HC-182401	18 x 24 x 1	17-3/8 x 23-3/8 x 3/4	300	900	0.21	5.7
DP-M10-HC-182501	18 x 25 x 1	17-1/2 x 24-1/2 x 3/4	300	935	0.21	6.0
DP-M10-HC-202001	20 x 20 x 1	19-1/2 x 19-1/2 x 3/4	300	830	0.21	5.5
DP-M10-HC-202201	20 x 22 x 1	19-3/4 x 21-3/4 x 3/4	300	915	0.21	6.6
DP-M10-HC-202401	20 x 24 x 1	19-3/8 x 23-3/8 x 3/4	300	1000	0.21	6.6
DP-M10-HC-202501	20 x 25 x 1	19-1/2 x 24-1/2 x 3/4	300	1040	0.21	6.9
DP-M10-HC-222201	22 x 22 x 1	21-3/4 x 21-3/4 x 3/4	300	1005	0.21	7.1
DP-M10-HC-242401	24 x 24 x 1	23-3/8 x 23-3/8 x 3/4	300	1200	0.21	7.7
DP-M10-HC-252501	25 x 25 x 1	24-1/2 x 24-1/2 x 3/4	300	1300	0.21	8.7
DP-M10-HC-301401	30 x 14 x 1	29-3/4 x 13-3/4 x 3/4	300	875	0.21	5.7
DP-M10-HC-301501	30 x 15 x 1	29-3/4 x 14-3/4 x 3/4	300	935	0.21	6.1
DP-M10-HC-301601	30 x 16 x 1	29-3/4 x 15-3/4 x 3/4	300	1000	0.21	6.5
DP-M10-HC-302001	30 x 20 x 1	29-1/2 x 19-1/2 x 3/4	300	1250	0.21	8.1
DP-M10-HC-302401	30 x 24 x 1	29-3/4 x 23-3/4 x 3/4	300	1500	0.21	9.8
DP-M10-HC-102002	10 x 20 x 2	9-1/2 x 19-1/2 x 1-3/4	500	700	0.26	6.0
DP-M10-HC-121202	12 x 12 x 2	11-3/4 x 11-3/4 x 1-3/4	500	500	0.26	4.2
DP-M10-HC-122002	12 x 20 x 2	11-1/2 x 19-1/2 x 1-3/4	500	840	0.26	7.0
DP-M10-HC-122402	12 x 24 x 2	11-3/8 x 23-3/8 x 1-3/4	500	1000	0.26	8.3
DP-M10-HC-142002	14 x 20 x 2	13-1/2 x 19-1/2 x 1-3/4	500	980	0.26	8.5
DP-M10-HC-142502	14 x 25 x 2	13-1/2 x 24-1/2 x 1-3/4	500	1220	0.26	10.6
DP-M10-HC-152002	15 x 20 x 2	14-1/2 x 19-1/2 x 1-3/4	500	1050	0.26	8.9
DP-M10-HC-161602	16 x 16 x 2	15-3/4 x 15-3/4 x 1-3/4	500	890	0.26	9.4
DP-M10-HC-162002	16 x 20 x 2	15-1/2 x 19-1/2 x 1-3/4	500	1120	0.26	9.4
DP-M10-HC-162402	16 x 24 x 2	15-3/8 x 23-3/8 x 1-3/4	500	1340	0.26	11.3
DP-M10-HC-162502	16 x 25 x 2	15-1/2 x 24-1/2 x 1-3/4	500	1400	0.26	11.8
DP-M10-HC-181802	18 x 18 x 2	17-3/4 x 17-3/4 x 1-3/4	500	1125	0.26	10.0
DP-M10-HC-182002	18 x 20 x 2	17-1/2 x 19-1/2 x 1-3/4	500	1250	0.26	10.9
DP-M10-HC-182202	18 x 22 x 2	17-1/2 x 21-1/2 x 1-3/4	500	1375	0.26	13.1
DP-M10-HC-182402	18 x 24 x 2	17-3/8 x 23-3/8 x 1-3/4	500	1500	0.26	13.1
DP-M10-HC-182502	18 x 25 x 2	17-1/2 x 24-1/2 x 1-3/4	500	1570	0.26	13.7
DP-M10-HC-202002	20 x 20 x 2	19-1/2 x 19-1/2 x 1-3/4	500	1400	0.26	11.9
DP-M10-HC-202402	20 x 24 x 2	19-3/8 x 23-3/8 x 1-3/4	500	1670	0.26	14.3
DP-M10-HC-202502	20 x 25 x 2	19-1/2 x 24-1/2 x 1-3/4	500	1750	0.26	14.9
DP-M10-HC-242402	24 x 24 x 2	23-3/8 x 23-3/8 x 1-3/4	500	2000	0.26	17.2
DP-M10-HC-252502	25 x 25 x 2	24-1/2 x 24-1/2 x 1-3/4	500	2170	0.26	19.3
DP-M10-HC-301602	30 x 16 x 2	29-3/4 x 15-3/4 x 1-3/4	500	1660	0.26	14.4

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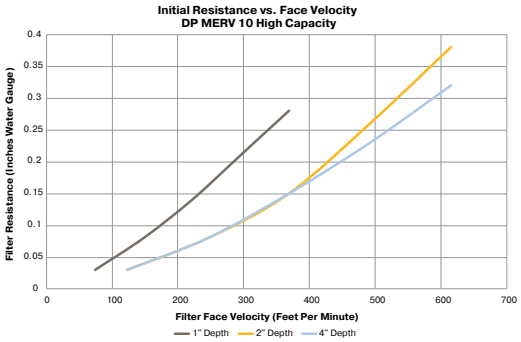
Per ASHRAE Standard 52.2-2017 MERV 10 catches > 80% of 3.0 to 10.0 microns and > 50% of 1.0-3.0 microns.



DP-M10-HC (continued)

Model Number	Nominal Size (W x H x D) Inches	Actual Size (W x H x D) Inches	Rated Face Velocity (FPM)	Rated Air Flow Capacity (CFM)	Initial Resistance (Inches W.G.) @ Rated Air Flow	Media Area (Square Feet)
DP-M10-HC-302002	30 x 20 x 2	29-1/2 x 19-1/2 x 1-3/4	500	2085	0.26	17.8
DP-M10-HC-352002	35 x 20 x 2	34-1/2 x 19-1/2 x 1-3/4	500	2430	0.26	21.3
DP-M10-HC-122404	12 x 24 x 4	11-3/8 x 23-3/8 x 3-3/4	500	1000	0.23	12.4
DP-M10-HC-162004	16 x 20 x 4	15-1/2 x 19-1/2 x 3-3/4	500	1120	0.23	14.5
DP-M10-HC-162504	16 x 25 x 4	15-1/2 x 24-1/2 x 3-3/4	500	1400	0.23	18.3
DP-M10-HC-182404	18 x 24 x 4	17-3/8 x 23-3/8 x 3-3/4	500	1500	0.23	19.9
DP-M10-HC-202004	20 x 20 x 4	19-1/2 x 19-1/2 x 3-3/4	500	1400	0.23	18.7
DP-M10-HC-202404	20 x 24 x 4	19-3/8 x 23-3/8 x 3-3/4	500	1670	0.23	22.4
DP-M10-HC-202504	20 x 25 x 4	19-1/2 x 24-1/2 x 3-3/4	500	1750	0.23	23.5
DP-M10-HC-242404	24 x 24 x 4	23-3/8 x 23-3/8 x 3-3/4	500	2000	0.23	27.4
DP-M10-HC-292504	29 x 25 x 4	28-1/2 x 24-1/2 x 3-3/4	500	2430	0.23	32.6
DP-M10-HC-302804	30 x 28 x 4	29-1/2 x 27-1/2 x 3-3/4	500	2920	0.23	38.5

NOTES:
1. Testing per ASHRAE Standard 52.2-2017 and ISO 16890. Performance data based on 24x24 nominal size filters.
2. Rated face velocity: 300 FPM on 1" depth and 500 FPM on 2" and 4" depth filters.
3. Recommended final resistance: 1.0" W.G.
4. Width and height dimensions are interchangable. Filters can be installed with pleats horizontal or vertical.
5. Maximum operating temperature 225°F (107°C).
6. Classified per UL 900 for flammability.
7. Special size filters are available.



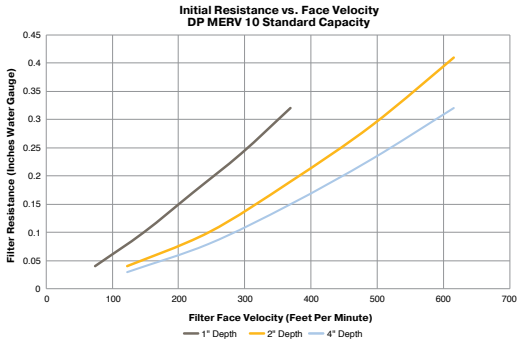
DP-M10-SC

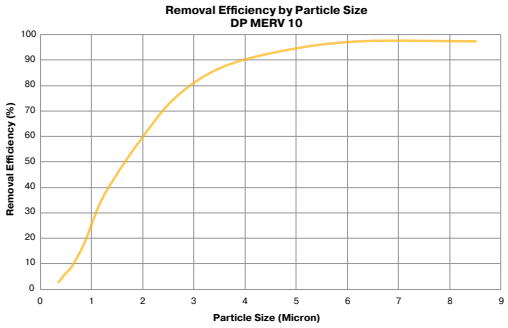
Model Number	Nominal Size (W x H x D) Inches	Actual Size (W x H x D) Inches	Rated Face Velocity (FPM)	Rated Air Flow Capacity (CFM)	Initial Resistance (Inches W.G.) @ Rated Air Flow	Media Area (Square Feet)
DP-M10-SC-101001	10 x 10 x 1	9-1/2 x 9-1/2 x 3/4	300	210	0.24	1.4
DP-M10-SC-102001	10 x 20 x 1	9-1/2 x 19-1/2 x 3/4	300	415	0.24	2.4
DP-M10-SC-102401	10 x 24 x 1	9-3/8 x 23-3/8 x 3/4	300	500	0.24	2.8
DP-M10-SC-121201	12 x 12 x 1	11-3/4 x 11-3/4 x 3/4	300	300	0.24	1.7
DP-M10-SC-121601	12 x 16 x 1	11-1/2 x 15-3/4 x 3/4	300	400	0.24	2.3
DP-M10-SC-122001	12 x 20 x 1	11-1/2 x 19-1/2 x 3/4	300	500	0.24	2.9
DP-M10-SC-122401	12 x 24 x 1	11-3/8 x 23-3/8 x 3/4	300	600	0.24	3.4
DP-M10-SC-141401	14 x 14 x 1	13-3/4 x 13-3/4 x 3/4	300	410	0.24	2.4
DP-M10-SC-142001	14 x 20 x 1	13-1/2 x 19-1/2 x 3/4	300	585	0.24	3.3
DP-M10-SC-142401	14 x 24 x 1	13-3/8 x 23-3/8 x 3/4	300	700	0.24	4.0
DP-M10-SC-142501	14 x 25 x 1	13-1/2 x 24-1/2 x 3/4	300	730	0.24	4.2
DP-M10-SC-152001	15 x 20 x 1	14-1/2 x 19-1/2 x 3/4	300	625	0.24	3.6
DP-M10-SC-161601	16 x 16 x 1	15-1/2 x 15-1/2 x 3/4	300	530	0.24	3.1
DP-M10-SC-162001	16 x 20 x 1	15-1/2 x 19-1/2 x 3/4	300	665	0.24	3.8
DP-M10-SC-162401	16 x 24 x 1	15-3/8 x 23-3/8 x 3/4	300	800	0.24	4.6
DP-M10-SC-162501	16 x 25 x 1	15-1/2 x 24-1/2 x 3/4	300	835	0.24	4.8
DP-M10-SC-181801	18 x 18 x 1	17-3/4 x 17-3/4 x 3/4	300	675	0.24	3.7
DP-M10-SC-182001	18 x 20 x 1	17-3/8 x 19-1/2 x 3/4	300	750	0.24	4.0
DP-M10-SC-182201	18 x 22 x 1	17-3/8 x 21-1/2 x 3/4	300	825	0.24	4.8
DP-M10-SC-182401	18 x 24 x 1	17-3/8 x 23-3/8 x 3/4	300	900	0.24	4.8
DP-M10-SC-182501	18 x 25 x 1	17-1/2 x 24-1/2 x 3/4	300	935	0.24	5.1
DP-M10-SC-202001	20 x 20 x 1	19-1/2 x 19-1/2 x 3/4	300	830	0.24	4.8
DP-M10-SC-202201	20 x 22 x 1	19-3/4 x 21-3/4 x 3/4	300	915	0.24	5.7
DP-M10-SC-202401	20 x 24 x 1	19-3/8 x 23-3/8 x 3/4	300	1000	0.24	5.7
DP-M10-SC-202501	20 x 25 x 1	19-1/2 x 24-1/2 x 3/4	300	1040	0.24	6.0
DP-M10-SC-222201	22 x 22 x 1	21-3/4 x 21-3/4 x 3/4	300	1005	0.24	6.0
DP-M10-SC-242401	24 x 24 x 1	23-3/8 x 23-3/8 x 3/4	300	1200	0.24	6.6
DP-M10-SC-252501	25 x 25 x 1	24-1/2 x 24-1/2 x 3/4	300	1300	0.24	7.5
DP-M10-SC-301401	30 x 14 x 1	29-3/4 x 13-3/4 x 3/4	300	875	0.24	5.4
DP-M10-SC-301501	30 x 15 x 1	29-3/4 x 14-3/4 x 3/4	300	935	0.24	5.0
DP-M10-SC-301601	30 x 16 x 1	29-3/4 x 15-3/4 x 3/4	300	1000	0.24	5.8
DP-M10-SC-302001	30 x 20 x 1	29-1/2 x 19-1/2 x 3/4	300	1250	0.24	7.1
DP-M10-SC-302401	30 x 24 x 1	29-3/4 x 23-3/4 x 3/4	300	1500	0.24	8.7
DP-M10-SC-102002	10 x 20 x 2	9-1/2 x 19-1/2 x 1-3/4	500	700	0.29	4.1
DP-M10-SC-121202	12 x 12 x 2	11-3/4 x 11-3/4 x 1-3/4	500	500	0.29	3.1

DP-M10-SC (continued)

Model Number	Nominal Size (W x H x D) Inches	Actual Size (W x H x D) Inches	Rated Face Velocity (FPM)	Rated Air Flow Capacity (CFM)	Initial Resistance (Inches W.G.) @ Rated Air Flow	Media Area (Square Feet)
DP-M10-SC-122002	12 x 20 x 2	11-1/2 x 19-1/2 x 1-3/4	500	840	0.29	5.1
DP-M10-SC-122402	12 x 24 x 2	11-3/8 x 23-3/8 x 1-3/4	500	1000	0.29	6.1
DP-M10-SC-142002	14 x 20 x 2	13-1/2 x 19-1/2 x 1-3/4	500	980	0.29	5.6
DP-M10-SC-142502	14 x 25 x 2	13-1/2 x 24-1/2 x 1-3/4	500	1220	0.29	7.1
DP-M10-SC-152002	15 x 20 x 2	14-1/2 x 19-1/2 x 1-3/4	500	1050	0.29	6.2
DP-M10-SC-161602	16 x 16 x 2	15-3/4 x 15-3/4 x 1-3/4	500	890	0.29	6.7
DP-M10-SC-162002	16 x 20 x 2	15-1/2 x 19-1/2 x 1-3/4	500	1120	0.29	6.7
DP-M10-SC-162402	16 x 24 x 2	15-3/8 x 23-3/8 x 1-3/4	500	1340	0.29	8.0
DP-M10-SC-162502	16 x 25 x 2	15-1/2 x 24-1/2 x 1-3/4	500	1400	0.29	8.3
DP-M10-SC-181802	18 x 18 x 2	17-3/4 x 17-3/4 x 1-3/4	500	1125	0.29	7.0
DP-M10-SC-182002	18 x 20 x 2	17-1/2 x 19-1/2 x 1-3/4	500	1250	0.29	7.7
DP-M10-SC-182202	18 x 22 x 2	17-1/2 x 21-1/2 x 1-3/4	500	1375	0.29	9.2
DP-M10-SC-182402	18 x 24 x 2	17-3/8 x 23-3/8 x 1-3/4	500	1500	0.29	9.2
DP-M10-SC-182502	18 x 25 x 2	17-1/2 x 24-1/2 x 1-3/4	500	1570	0.29	9.6
DP-M10-SC-202002	20 x 20 x 2	19-1/2 x 19-1/2 x 1-3/4	500	1400	0.29	8.2
DP-M10-SC-202402	20 x 24 x 2	19-3/8 x 23-3/8 x 1-3/4	500	1670	0.29	9.8
DP-M10-SC-202502	20 x 25 x 2	19-1/2 x 24-1/2 x 1-3/4	500	1750	0.29	10.3
DP-M10-SC-242402	24 x 24 x 2	23-3/8 x 23-3/8 x 1-3/4	500	2000	0.29	11.6
DP-M10-SC-252502	25 x 25 x 2	24-1/2 x 24-1/2 x 1-3/4	500	2170	0.29	12.8
DP-M10-SC-301602	30 x 16 x 2	29-3/4 x 15-3/4 x 1-3/4	500	1660	0.29	10.3
DP-M10-SC-302002	30 x 20 x 2	29-1/2 x 19-1/2 x 1-3/4	500	2085	0.29	12.8
DP-M10-SC-352002	35 x 20 x 2	34-1/2 x 19-1/2 x 1-3/4	500	2430	0.29	14.8
DP-M10-SC-122404	12 x 24 x 4	11-3/8 x 23-3/8 x 3-3/4	500	1000	0.23	11.2
DP-M10-SC-162004	16 x 20 x 4	15-1/2 x 19-1/2 x 3-3/4	500	1120	0.23	12.5
DP-M10-SC-162504	16 x 25 x 4	15-1/2 x 24-1/2 x 3-3/4	500	1400	0.23	15.6
DP-M10-SC-182404	18 x 24 x 4	17-3/8 x 23-3/8 x 3-3/4	500	1500	0.23	16.2
DP-M10-SC-202004	20 x 20 x 4	19-1/2 x 19-1/2 x 3-3/4	500	1400	0.23	15.6
DP-M10-SC-202404	20 x 24 x 4	19-3/8 x 23-3/8 x 3-3/4	500	1670	0.23	18.7
DP-M10-SC-202504	20 x 25 x 4	19-1/2 x 24-1/2 x 3-3/4	500	1750	0.23	19.6
DP-M10-SC-242404	24 x 24 x 4	23-3/8 x 23-3/8 x 3-3/4	500	2000	0.23	22.4
DP-M10-SC-292504	29 x 25 x 4	28-1/2 x 24-1/2 x 3-3/4	500	2430	0.23	26.1
DP-M10-SC-302804	30 x 28 x 4	29-1/2 x 27-1/2 x 3-3/4	500	2920	0.23	31.1

NOTES:
1. Testing per ASHRAE Standard 52.2-2017 and ISO 16890. Performance data based on 24x24 nominal size filters.
2. Rated face velocity: 300 FPM on 1" depth and 500 FPM on 2" and 4" depth filters.
3. Recommended final resistance: 1.0" W.G.
4. Width and height dimensions are interchangable. Filters can be installed with pleats horizontal or vertical.
5. Maximum operating temperature 225°F (107°C).
6. Classified per UL 900 for flammability.
7. Special size filters are available.





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⚠ **WARNING:** This product can expose you to chemicals, including chromium, styrene, which are known to the State of California to cause cancer, and toluene, which are known to the State of California to cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov.