

Airex Filter Corporation

GP100 MERV 13

High Capacity Pleated Filter | 1", 2", 4"

**AIREX FILTER**
CORPORATION

The Airex GP100-MERV 13 super capacity pleated filters are available in a wide range of sizes for all commercial, industrial and residential applications. The filter media is a 100% synthetic, electrostatically charged media, designed to attract and hold airborne contaminants. This results in a higher efficient filter meeting LEED green building criteria for minimum efficiency. Initial resistance of a 2" deep filter is just .20" W.G. @ 375 FPM with an average dust spot efficiency of over 75% based on the ashrae 52.2 test standard. The enclosing frame of the GP100 is constructed of a rigid, heavy duty moisture resistant beverage board. The support members are an integral part of the frame and are bonded to each pleat on both sides to insure pleat spacing and stability. The filter pack is bonded to the inside periphery of the frame, thus eliminating the possibility of air bypass. The media support grid is available in expanded wire with an effective open area of not less than 93%. The wire grid is bonded to the filter media to eliminate the possibility of media oscillation and media pull away. UL Approved 217V as to flammability class 2 UL900.

Performance Data

Filter	Pleats Per Linear Foot	Rated Initial Resistance (in. w.g.)		Recommended Final Resistance (in. w.g.)	ASHRAE 52.2 MERV	Continuous Operating Temperature Limits
		300 FPM	500 FPM			
1" GP100 MERV 13	15	.25	—	1.0	13	180°F (82°C)
2" GP100 MERV 13	15	.16	.30	1.0	13	180°F (82°C)
4" GP100 MERV 13	9	.10	.20	1.0	13	180°F (82°C)

Nominal Sizes (Inches) (W x H x D)	Actual Sizes (Inches) (W x H x D)	Rated Airflow (SCFM)			Pleats Per Filter	Gross Media Area (sq. ft.)
		300 FPM	500 FPM	625 FPM		
10 x 20 x 1	9½ x 19½ x ¾	400	700	—	12	2.7
12 x 20 x 1	11½ x 19½ x ¾	500	850	—	14	3.1
12 x 24 x 1	11¾ x 23¾ x ¾	600	1000	—	14	3.7
14 x 20 x 1	13½ x 19½ x ¾	600	950	—	17	3.7
14 x 25 x 1	13½ x 24½ x ¾	750	1200	—	17	4.6
15 x 20 x 1	14½ x 19½ x ¾	650	1050	—	18	3.9
16 x 20 x 1	15½ x 19½ x ¾	650	1100	—	19	4.1
16 x 24 x 1	15½ x 23½ x ¾	800	1350	—	19	4.9
16 x 25 x 1	15½ x 24½ x ¾	850	1400	—	19	5.2
18 x 20 x 1	17½ x 19½ x ¾	750	1250	—	22	4.7
18 x 24 x 1	17½ x 23½ x ¾	900	1500	—	22	5.7
18 x 25 x 1	17½ x 24½ x ¾	950	1550	—	22	5.9
20 x 20 x 1	19½ x 19½ x ¾	850	1400	—	24	5.1
20 x 24 x 1	19½ x 23½ x ¾	1000	1650	—	24	6.2
20 x 25 x 1	19½ x 24½ x ¾	1050	1750	—	24	6.4
24 x 24 x 1	23¾ x 23¾ x ¾	1200	2000	—	29	7.4
25 x 25 x 1	24½ x 24½ x ¾	1300	2150	—	31	8.3

Nominal Sizes (Inches) (W x H x D)	Actual Sizes (Inches) (W x H x D)	Rated Airflow (SCFM)			Pleats Per Filter	Gross Media Area (sq. ft.)
		300 FPM	500 FPM	625 FPM		
10 x 20 x 2	9½ x 19½ x 1¾	400	700	850	12	6.1
12 x 20 x 2	11½ x 19½ x 1¾	500	850	1050	14	7.3
12 x 24 x 2	11¾ x 23¾ x 1¾	600	1000	1250	14	8.8
14 x 20 x 2	13½ x 19½ x 1¾	600	950	1150	17	8.5
14 x 25 x 2	13½ x 24½ x 1¾	750	1200	1500	17	10.6
15 x 20 x 2	14½ x 19½ x 1¾	650	1050	1300	18	9.1
16 x 20 x 2	15½ x 19½ x 1¾	650	1100	1400	19	9.7
16 x 24 x 2	15½ x 23½ x 1¾	800	1350	1650	19	11.2
16 x 25 x 2	15½ x 24½ x 1¾	850	1400	1750	19	12.2
18 x 20 x 2	17½ x 19½ x 1¾	750	1250	1500	22	10.9
18 x 24 x 2	17½ x 23½ x 1¾	900	1500	1875	22	13.1
18 x 25 x 2	17½ x 24½ x 1¾	950	1550	1950	22	13.7
20 x 20 x 2	19½ x 19½ x 1¾	850	1400	1750	24	12.2
20 x 24 x 2	19½ x 23½ x 1¾	1000	1650	2100	24	14.6
20 x 25 x 2	19½ x 24½ x 1¾	1050	1750	2150	24	15.2
24 x 24 x 2	23¾ x 23¾ x 1¾	1200	2000	2500	29	17.5
25 x 25 x 2	24½ x 24½ x 1¾	1300	2150	2700	31	19.0
12 x 24 x 4	11¾ x 23¾ x 3¾	600	1000	1250	9	11.3
16 x 20 x 4	15½ x 19½ x 3¾	650	1100	1400	12	12.5
16 x 25 x 4	15½ x 24½ x 3¾	850	1400	1750	12	15.6
18 x 24 x 4	17½ x 23½ x 3¾	900	1500	1875	14	17.5
20 x 20 x 4	19½ x 19½ x 3¾	850	1400	1750	15	15.6
20 x 24 x 4	19½ x 23½ x 3¾	1000	1650	2100	15	18.8
20 x 25 x 4	19½ x 24½ x 3¾	1050	1750	2150	15	19.6
24 x 24 x 4	23¾ x 23¾ x 3¾	1200	2000	2500	18	22.6
28 x 30 x 4	27½ x 29½ x 3¾	1750	2900	—	21	32.6



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Filter Series (GP100 MERV 13 Series) Filter Width (25" Width) Filter Height (25" Height) Filter Depth (2" Depth)



- MERV 13 performance rating
- Earns LEED Points
- Reduces energy cost
- Extended filter life-cycle
- Conserves resources
- Improves indoor air quality
- Available in 1", 2" and 4" depths
- Special sizes available upon request

AIREX FILTER
CORPORATION

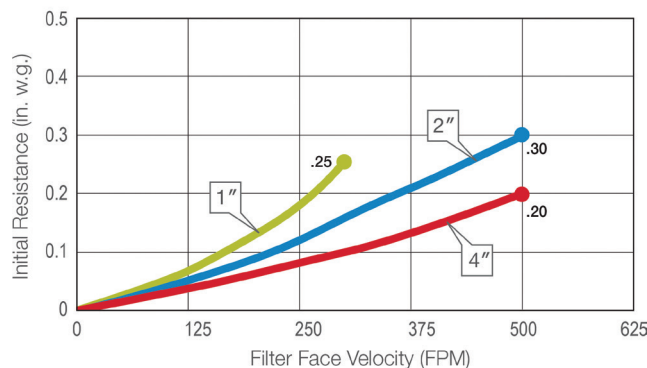
**Administrative Office
Manufacturing Plant I**

17 Executive Drive
Hudson, NH 03051
800-660-2298

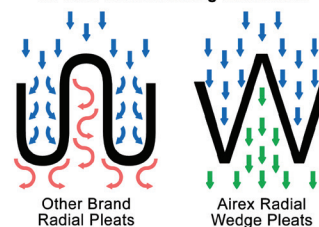
**Production Office
Manufacturing Plant II**

19 Executive Drive
Hudson, NH 03051
800-660-2298

Initial Resistance vs. Filter Face Velocity



Radial pleats produce turbulent airflow and uneven air distribution. Airex radial wedge pleats optimize air flow while reducing restriction.



Underwriters Laboratories, Inc. (UL) is an agency that lists products they have tested against criteria deemed appropriate for public safety. The classification for HVAC air filters confirms that the filters will meet local and state requirements for most applications.

UL 900 covers both washable and throwaway filters, used for the removal of dust and other airborne particles from mechanically circulated air in equipment and systems. This is in accordance with the Standards of the National Fire Protection Association (NFPA) for Installation of Air Conditioning and Ventilating Systems, of Other Than Residence Type, NFPA No. 90A, and for Installation of Residence Type Warm Air Heating and Air Conditioning Systems, NFPA No. 90B.



Performance Data

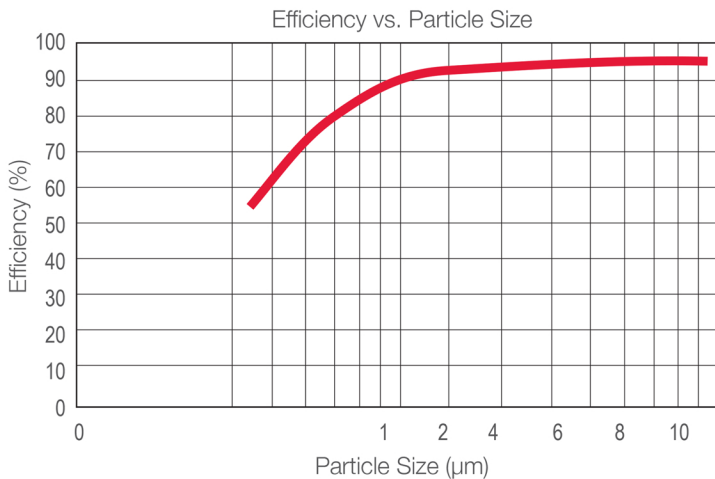
Filter	Pleats Per Linear Foot	Rated Initial Resistance (in. w.g.)		Recommended Final Resistance (in. w.g.)	ASHRAE 52.2 MERV	Continuous Operating Temperature Limits
		300 FPM	500 FPM			
1" GP100 M13	15	.25	—	1.0	13	180°F (82°C)
2" GP100 M13	15	.16	.30	1.0	13	180°F (82°C)
4" GP100 M13	9	.10	.20	1.0	13	180°F (82°C)

All performance data based on ASHRAE Standard 52.2. Performance tolerance conforms to Section 6.4 of ANSI/AHRI Standard 850-2013.

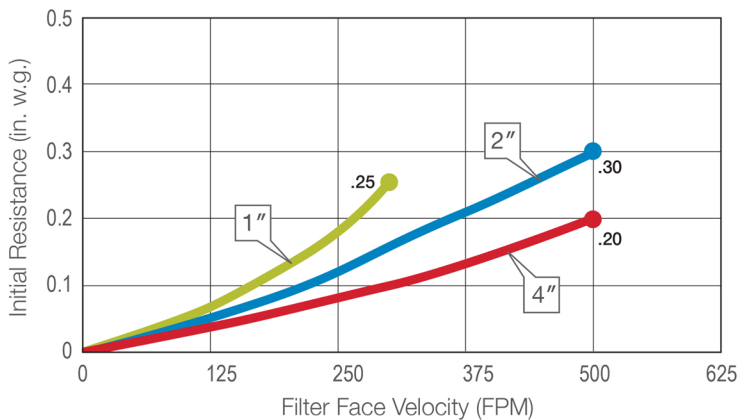
Underwriters Laboratories Classification –

UL Classified. Testing was performed according to UL Standard 900.

Composite Minimum Efficiency Curve



Initial Resistance vs. Filter Face Velocity



Energy savings may be realized by operating the GP100 M13 filters to a lower final resistance. Contact your local Airex representative for a Total Cost of Ownership analysis for your specific application.

Product Information – Standard Sizes

Nominal Sizes (Inches) (W x H x D)	Actual Sizes (Inches) (W x H x D)	Rated Airflow (SCFM)			Pleats Per Filter	Gross Media Area (sq. ft.)
		300 FPM	500 FPM	625 FPM		
10 x 20 x 1	9½ x 19½ x ¾	400	700	—	12	2.7
12 x 20 x 1	11½ x 19½ x ¾	500	850	—	14	3.1
12 x 24 x 1	11¾ x 23¾ x ¾	600	1000	—	14	3.7
14 x 20 x 1	13½ x 19½ x ¾	600	950	—	17	3.7
14 x 25 x 1	13½ x 24½ x ¾	750	1200	—	17	4.6
15 x 20 x 1	14½ x 19½ x ¾	650	1050	—	18	3.9
16 x 20 x 1	15½ x 19½ x ¾	650	1100	—	19	4.1
16 x 24 x 1	15½ x 23½ x ¾	800	1350	—	19	4.9
16 x 25 x 1	15½ x 24½ x ¾	850	1400	—	19	5.2
18 x 20 x 1	17½ x 19½ x ¾	750	1250	—	22	4.7
18 x 24 x 1	17½ x 23½ x ¾	900	1500	—	22	5.7
18 x 25 x 1	17½ x 24½ x ¾	950	1550	—	22	5.9
20 x 20 x 1	19½ x 19½ x ¾	850	1400	—	24	5.1
20 x 24 x 1	19½ x 23½ x ¾	1000	1650	—	24	6.2
20 x 25 x 1	19½ x 24½ x ¾	1050	1750	—	24	6.4
24 x 24 x 1	23¾ x 23¾ x ¾	1200	2000	—	29	7.4
25 x 25 x 1	24½ x 24½ x ¾	1300	2150	—	31	8.3
10 x 20 x 2	9½ x 19½ x 1¾	400	700	850	12	6.1
12 x 20 x 2	11½ x 19½ x 1¾	500	850	1050	14	7.3
12 x 24 x 2	11¾ x 23¾ x 1¾	600	1000	1250	14	8.8
14 x 20 x 2	13½ x 19½ x 1¾	600	950	1150	17	8.5
14 x 25 x 2	13½ x 24½ x 1¾	750	1200	1500	17	10.6
15 x 20 x 2	14½ x 19½ x 1¾	650	1050	1300	18	9.1
16 x 20 x 2	15½ x 19½ x 1¾	650	1100	1400	19	9.7
16 x 24 x 2	15½ x 23½ x 1¾	800	1350	1650	19	11.2
16 x 25 x 2	15½ x 24½ x 1¾	850	1400	1750	19	12.2
18 x 20 x 2	17½ x 19½ x 1¾	750	1250	1500	22	10.9
18 x 24 x 2	17½ x 23½ x 1¾	900	1500	1875	22	13.1
18 x 25 x 2	17½ x 24½ x 1¾	950	1550	1950	22	13.7
20 x 20 x 2	19½ x 19½ x 1¾	850	1400	1750	24	12.2
20 x 24 x 2	19½ x 23½ x 1¾	1000	1650	2100	24	14.6
20 x 25 x 2	19½ x 24½ x 1¾	1050	1750	2150	24	15.2
24 x 24 x 2	23¾ x 23¾ x 1¾	1200	2000	2500	29	17.5
25 x 25 x 2	24½ x 24½ x 1¾	1300	2150	2700	31	19.0
12 x 24 x 4	11¾ x 23¾ x 3¾	600	1000	1250	9	11.3
16 x 20 x 4	15½ x 19½ x 3¾	650	1100	1400	12	12.5
16 x 25 x 4	15½ x 24½ x 3¾	850	1400	1750	12	15.6
18 x 24 x 4	17½ x 23½ x 3¾	900	1500	1875	14	17.5
20 x 20 x 4	19½ x 19½ x 3¾	850	1400	1750	15	15.6
20 x 24 x 4	19½ x 23½ x 3¾	1000	1650	2100	15	18.8
20 x 25 x 4	19½ x 24½ x 3¾	1050	1750	2150	15	19.6
24 x 24 x 4	23¾ x 23¾ x 3¾	1200	2000	2500	18	22.6
28 x 30 x 4	27½ x 29½ x 3¾	1750	2900	—	21	32.6

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