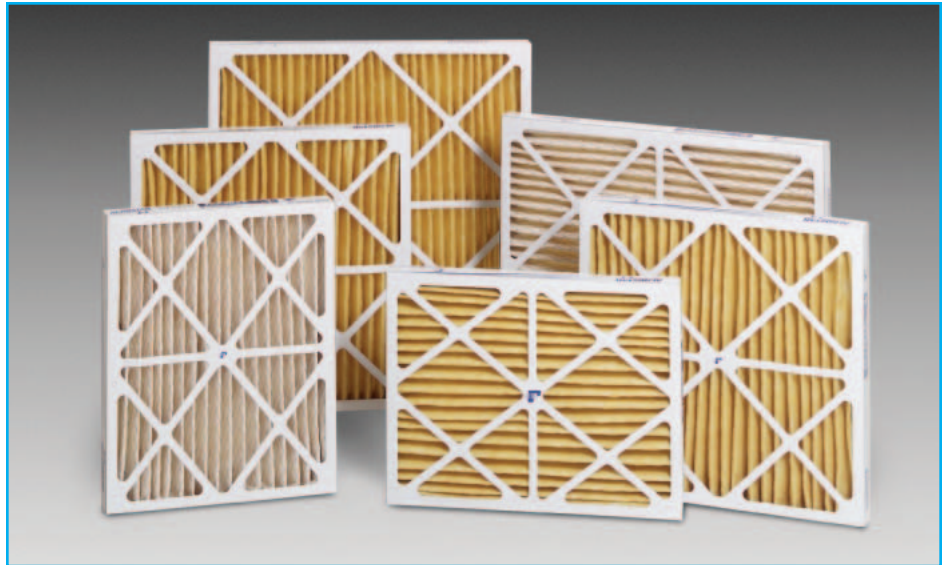


# FILTRATION GROUP

## PLEATED AIR FILTER - SERIES 1100



- **MERV 11**  
(per ASHRAE Standard 52.2)
- Greater than 200 grams dust holding capacity @ 1.5" w.g.
- Initial efficiency is over 2 times greater than traditional cotton poly
- Initial efficiency greater than 74% on 1-3 micron particles
- Moisture resistant 100% synthetic media
- Long service life means lower operating costs
- Low initial pressure drop
- A wide range of sizes in 1", 2" and 4" thicknesses



### DESCRIPTION

**T**he Series 1100 pleated filters incorporate a 100% synthetic media with an ASHRAE 52.2 MERV 11 (minimum efficiency reporting value). The 1" and 2" filters handle velocities up to 500 FPM—the 4" filters up to 625 FPM.

The media is chemically bonded to a metal grid on the air-exiting side, preventing fluttering, and maintaining uniformity of the pleats. The filter pack is enclosed in a heavy-duty, moisture resistant, die-cut frame that will not warp, crack or distort under normal operating conditions.

Diagonal front and back media retainers are an integral part of the filter frame. The media pack is bonded to every part of the frame, preventing any possibility of air by-pass. Integral pleat separators on the 4" filters provide additional pleat stabilization for the most demanding applications.

### BENEFITS

It is possible for a flat filter to face load, thus restricting airflow and creating unnecessary strain on equipment.

The Series 1100 filters accumulate heavier, more restrictive particles at the bottom of the pleats, leaving the sides open longer for effective filtration. The Series 1100 filter is engineered to provide maximum efficiency. In general, deeper pleats result in longer filter life and more time between changeouts.

- Rigid construction with consistent media extends the service life
- Well-built, efficient and easy-to-handle medium efficiency filters
- Achieves MERV 11 (per ASHRAE Standard 52.2)
- Low initial pressure drop
- Consistent efficiency

### APPLICATIONS

These filters can be used without modification in side-access filter housing or built-up filter bank. They offer better efficiency than conventional permanent or disposable flat filters. The Series 1100 filters, when used as pre-filters, substantially extend the life of more expensive high efficiency filters. They are the perfect filters for residential, commercial and industrial use.



# FILTRATION GROUP

## PLEATED AIR FILTER - SERIES 1100

### FEET PER MINUTE (FPM)

FILTER DEPTH	MEDIUM VELOCITY	INITIAL RESISTANCE (MEDIUM "w.g.)	HIGH VELOCITY	INITIAL RESISTANCE (MEDIUM "w.g.)	FINAL RESISTANCE* (ALL FILTERS)
1"	375	.30	500	.45	1.0
2"	375	.21	500	.34	1.0
4"	500	.34	625	.45	1.0

\*Recommended final resistance. System may dictate a lower change-out point. (Filters tested to 1.5")

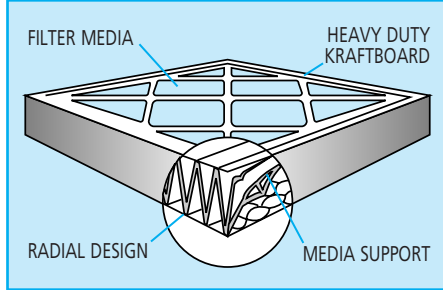
PART NO.	NOMINAL SIZE**	ACTUAL SIZE (H X W X D)	CAPACITY (cfm)		MEDIA AREA (sq. ft.)
			MEDIUM	HIGH	
19617	8 X 16 X 1	7 3/4 X 15 3/4 X 3/4	325	450	2.1
19618	10 X 10 X 1	9 3/4 X 9 3/4 X 3/4	250	350	1.6
19619	10 X 20 X 1	9 1/2 X 19 1/2 X 3/4	525	700	3.2
19620	10 X 24 X 1	9 3/8 X 23 3/8 X 3/4	625	825	3.2
19621	10 X 25 X 1	9 3/4 X 24 3/4 X 3/4	650	850	4.0
19622	12 X 12 X 1	11 3/4 X 11 3/4 X 3/4	375	500	2.3
19623	12 X 16 X 1	11 3/4 X 15 3/4 X 3/4	500	650	3.1
19624	12 X 20 X 1	11 3/4 X 19 3/4 X 3/4	625	825	3.9
19625	12 X 24 X 1	11 3/8 X 23 3/8 X 3/4	750	1000	4.7
19626	12 X 25 X 1	11 3/4 X 24 3/4 X 3/4	775	1025	4.8
19627	14 X 20 X 1	13 1/2 X 19 1/2 X 3/4	725	975	4.6
19628	14 X 24 X 1	13 3/4 X 23 3/8 X 3/4	875	1150	5.4
19629	14 X 25 X 1	13 1/2 X 24 1/2 X 3/4	900	1200	5.8
19630	15 X 20 X 1	14 1/2 X 19 1/2 X 3/4	775	1050	4.9
19631	15 X 25 X 1	14 3/4 X 24 3/4 X 3/4	975	1300	6.1
19632	16 X 16 X 1	15 3/4 X 15 3/4 X 3/4	650	875	4.1
19633	16 X 20 X 1	15 1/2 X 19 1/2 X 3/4	825	1100	5.1
19634	16 X 24 X 1	15 3/4 X 23 3/8 X 3/4	1000	1325	6.2
19635	16 X 25 X 1	15 1/2 X 24 1/2 X 3/4	1050	1400	6.4
19636	18 X 18 X 1	17 3/4 X 17 3/4 X 3/4	850	1125	5.2
19637	18 X 20 X 1	17 3/4 X 19 3/4 X 3/4	925	1250	5.8
19638	18 X 22 X 1	17 3/4 X 21 3/4 X 3/4	1025	1375	6.4
19639	18 X 24 X 1	17 3/4 X 23 3/8 X 3/4	1125	1500	7.0
19640	18 X 25 X 1	17 3/8 X 24 1/2 X 3/4	1175	1550	7.3
19641	20 X 20 X 1	19 1/2 X 19 1/2 X 3/4	1050	1400	6.6
19642	20 X 24 X 1	19 3/8 X 23 3/8 X 3/4	1250	1650	7.7
19643	20 X 25 X 1	19 1/2 X 24 1/2 X 3/4	1300	1750	8.2
19644	22 X 22 X 1	21 3/4 X 21 3/4 X 3/4	1250	1675	7.8
19645	24 X 24 X 1	23 3/8 X 23 3/8 X 3/4	1500	2000	9.3
19646	25 X 25 X 1	24 3/4 X 24 3/4 X 3/4	1625	2150	10.1
19647	10 X 10 X 2	9 3/4 X 9 3/4 X 1 3/4	250	350	2.2
19648	10 X 20 X 2	9 1/2 X 19 1/2 X 1 3/4	525	700	4.2
19649	12 X 20 X 2	11 3/4 X 19 3/4 X 1 3/4	625	825	5.3
19650	12 X 24 X 2	11 3/8 X 23 3/8 X 1 3/4	750	1000	9.0
19651	14 X 20 X 2	13 1/2 X 19 1/2 X 1 3/4	725	975	6.3
19652	14 X 25 X 2	13 1/2 X 24 1/2 X 1 3/4	900	1200	7.9
19653	15 X 20 X 2	14 1/2 X 19 1/2 X 1 3/4	775	1025	6.9
19654	16 X 16 X 2	15 3/4 X 15 3/4 X 1 3/4	650	875	5.6
19655	16 X 20 X 2	15 1/2 X 19 1/2 X 1 3/4	825	1100	10.1
19656	16 X 24 X 2	15 3/8 X 23 3/8 X 1 3/4	1000	1325	8.2
19657	16 X 25 X 2	15 1/2 X 24 1/2 X 1 3/4	1050	1400	12.6
19658	18 X 22 X 2	17 3/4 X 21 3/4 X 1 3/4	1025	1375	8.8
19659	18 X 24 X 2	17 3/8 X 23 3/8 X 1 3/4	1125	1500	13.6
19660	18 X 25 X 2	17 3/8 X 24 1/2 X 1 3/4	1175	1550	9.9
19661	20 X 20 X 2	19 1/2 X 19 1/2 X 1 3/4	1050	1400	12.6
19662	20 X 24 X 2	19 3/8 X 23 3/8 X 1 3/4	1250	1650	15.1
19663	20 X 25 X 2	19 1/2 X 24 1/2 X 1 3/4	1300	1750	15.7
19664	24 X 24 X 2	23 3/8 X 23 3/8 X 1 3/4	1500	2000	18.1
19665	25 X 25 X 2	24 3/4 X 24 3/4 X 1 3/4	1625	2150	14.0
19666	12 X 24 X 4	11 3/8 X 23 3/8 X 3 5/8	1000	1250	14.5
19667	16 X 20 X 4	15 3/8 X 19 3/8 X 3 5/8	1100	1400	16.1
19668	16 X 25 X 4	15 3/8 X 24 3/8 X 3 5/8	1400	1750	20.1
19669	18 X 24 X 4	17 3/8 X 23 3/8 X 3 5/8	1500	1875	21.8
19670	20 X 20 X 4	19 3/8 X 19 3/8 X 3 5/8	1400	1750	20.1
19671	20 X 24 X 4	19 3/8 X 23 3/8 X 3 5/8	1657	2100	24.2
19672	20 X 25 X 4	19 3/8 X 24 3/8 X 3 5/8	1750	2200	25.2
19673	24 X 24 X 4	23 3/8 X 23 3/8 X 3 5/8	2000	2500	29.0
19674	25 X 29 X 4	24 3/8 X 28 3/8 X 3 5/8	2525	3150	36.5
19675	28 X 30 X 4	27 3/8 X 29 3/8 X 3 5/8	2900	3650	42.3

\*\*Special sizes available upon request

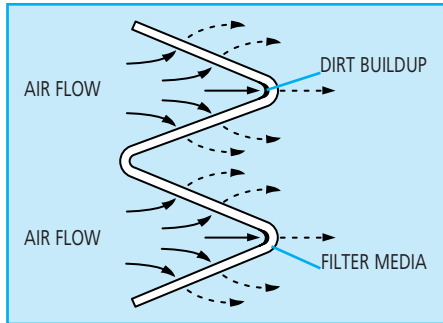
### FILTER MEDIA AREA

FILTER DEPTH	PLEATS PER LINEAR FT.	SQ. FT. OF MEDIA PER SQ. FT. OF FACE AREA
1"	16	2.333
2"	15	4.688
4"	12	7.75

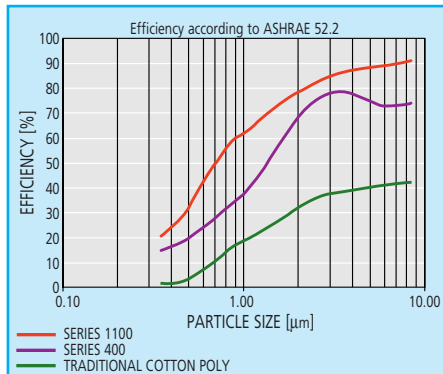
### DESIGN AND CONSTRUCTION



### PRINCIPLE OF FILTRATION



### SERIES 1100 PLEATED FILTER



### MERV (Minimum Efficiency Reporting Value)

A numerical system for comparing filters based on minimum particle size efficiency. A MERV of 1 is least efficient; a 16 is the most efficient. (See ASHRAE 52.2)

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# FILTRATION GROUP

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