



Hardy Filtration

Integrated filtration solutions: air, water & oil



Pleated air filters

MAXI AIR

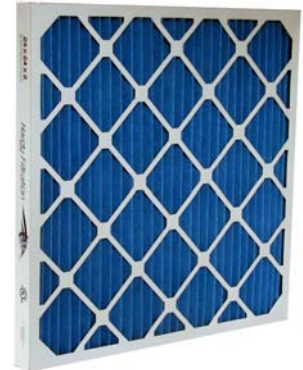
Description

The *MAXI AIR* pleated air filter uses a fully synthetic media with an ASHRAE 52.2 average atmospheric efficiency of 30-35% and a MERV 8 rating.

The synthetic polypropylene media is bonded to a metal backing giving its aerodynamic form. The media pack is enclosed and bonded at all points into a heavy duty, moisture resistant, beverage board frame.

The *MAXI AIR* filter is a very popular choice for roof top and stand alone units and is an ideal upgrade from panel filters that tend to face load.

These filters are ideal as prefilters to increase the life of a higher efficient final filter. The pleated configuration allows filtration of particles from 3 to 10 microns such as medium airborne pollutants.



MAXI AIR
Merv 8



MAHT

High temperature pleated filter employs a fiber glass media element to withstand temperatures up to 400°F.

Construction

- » Heavy duty beverage board frame.
- » 100% Synthetic filter element.
- » Media is bonded to a metal backing.
- » Media pack is glued to all parts of the frame.
- » ULC Class 2.

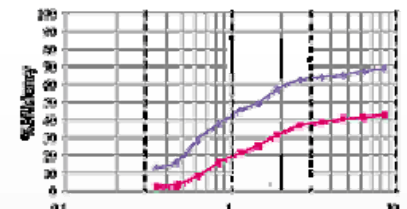
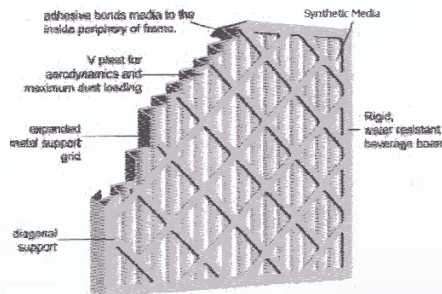


Figure 4: ASHRAE 52.2 Composite Minimum Efficiency Curve, 20" x 20" x 2" Pleated Filters

Synthetic ————
Poly/Cotton ————

High efficiency synthetic media

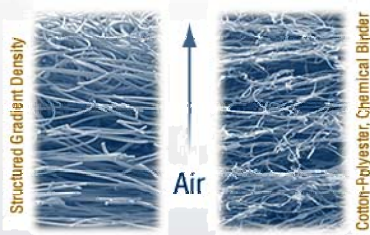


Figure 1: INTREPID® Filtration Media (Charged-Mechanical)

Figure 2: Cotton-Polyester Media (Uncharged-Mechanical)

- » Very resistant to various contaminants in the air.
- » Lower pressure drop.
- » Excellent bi-directional strength.
- » Higher dust holding capacity leads to longer life.
- » No fiber shedding.
- » No bonding resins / thermally bonded.
- » Withstands high levels of humidity.
- » Does not support microbial growth and fungus.

Performance

Standard dimensions

DIMENSIONS L X H X P	MODEL NO	ACTUAL DIMENSIONS			CAPACITY CFM			SURFACE AREA / SQ.FT.			
		Width	Height	Depth	300 FPM	500 FPM	625 FPM	MA15	MA10	MA8	MAHT
10 X 20 X 1	MA()-11020	9.375	19.375	0.75	400	700	-	3	2	1.6	2
12 X 24 X 1	MA()-11224	11.375	23.375	0.75	600	1000	-	4.3	3	2.4	3
14 X 20 X 1	MA()-11420	13.375	19.375	0.75	580	975	-	4.2	2.9	2.32	2.9
14 X 25 X 1	MA()-11425	13.375	24.375	0.75	730	1200	-	5.3	3.6	2.88	3.6
15 X 20 X 1	MA()-11520	14.375	19.375	0.75	625	1050	-	4.5	3.1	2.48	3.1
16 X 20 X 1	MA()-11620	15.375	19.375	0.75	670	1100	-	4.9	3.3	2.64	3.3
16 X 24 X 1	MA()-11624	15.375	23.375	0.75	800	1350	-	5.8	4	3.3	-
16 X 25 X 1	MA()-11625	15.375	24.375	0.75	830	1400	-	6.1	4.2	3.36	4.2
18 X 24 X 1	MA()-11824	17.375	23.375	0.75	900	1500	-	6.6	4.5	3.6	4.5
18 X 25 X 1	MA()-11825	17.375	24.375	0.75	940	1580	-	6.9	4.8	3.8	-
20 X 20 X 1	MA()-12020	19.375	19.375	0.75	830	1400	-	6.1	4.2	3.36	4.2
20 X 24 X 1	MA()-12024	19.375	23.375	0.75	1000	1650	-	7.4	5	4	5
20 X 25 X 1	MA()-12025	19.375	24.375	0.75	1040	1750	-	7.7	5.2	4.16	5.2
24 X 24 X 1	MA()-12424	23.375	23.375	0.75	1200	2000	-	8.9	6.1	4.88	6.1
10 X 20 X 2	MA()-21020	9.375	19.375	1.75	400	700	-	5.8	4	3.1	4
12 X 24 X 2	MA()-21224	11.375	23.375	1.75	600	1000	-	8.5	5.8	4.6	5.8
14 X 20 X 2	MA()-21420	13.375	19.375	1.75	580	975	-	8.3	5.7	4.5	5.7
14 X 25 X 2	MA()-21425	13.375	24.375	1.75	730	1200	-	10.5	7.1	5.6	7.1
15 X 20 X 2	MA()-21520	14.375	19.375	1.75	625	1050	-	9	6.1	4.8	6.1
16 X 16 X 2	MA()-21616	15.375	15.375	1.75	535	890	-	7.8	5.3	4	5.3
16 X 20 X 2	MA()-21620	15.375	19.375	1.75	670	1100	-	9.6	6.5	5.1	6.5
16 X 24 X 2	MA()-21624	15.375	23.375	1.75	800	1350	-	11.6	7.9	6.2	7.9
16 X 25 X 2	MA()-21625	15.375	24.375	1.75	830	1400	-	12	8.2	6.5	8.2
18 X 20 X 2	MA()-21820	17.375	19.375	1.75	750	1250	-	11	7.5	5.6	7.5
18 X 24 X 2	MA()-21824	17.375	23.375	1.75	900	1500	-	13.1	8.9	7	8.9
18 X 25 X 2	MA()-21825	17.375	24.375	1.75	940	1560	-	12	9.3	7.1	9.3
20 X 20 X 2	MA()-22020	19.375	19.375	1.75	830	1400	-	12.1	8.2	6.5	8.2
20 X 24 X 2	MA()-22024	19.375	23.375	1.75	1000	1650	-	14.6	9.9	7.8	9.9
20 X 25 X 2	MA()-22025	19.375	24.375	1.75	1040	1750	-	15.2	10.3	8.1	10.3
24 X 24 X 2	MA()-22424	23.375	23.375	1.75	1200	2000	-	17.6	12	9.3	12
25 X 25 X 2	MA()-22525	24.375	24.375	1.75	1300	2170	-	19	13	9.8	-
12 X 24 X 4	MA()-41224	11.375	23.375	3.625	600	1000	1250	13.4	10.7	-	10.7
16 X 20 X 4	MA()-41620	15.375	19.375	3.625	670	1100	1400	15.1	12	-	12
16 X 25 X 4	MA()-41625	15.375	24.375	3.625	830	1400	1750	18.9	15.1	-	15.1
18 X 24 X 4	MA()-41824	17.375	23.375	3.625	900	1500	1875	20.5	16.4	-	16.4
20 X 20 X 4	MA()-42020	19.375	19.375	3.625	830	1400	1750	19	15.1	-	15.1
20 X 24 X 4	MA()-42024	19.375	23.375	3.625	1000	1650	2100	22.9	18.2	-	18.2
20 X 25 X 4	MA()-42025	19.375	24.375	3.625	1040	1750	2200	23.9	19	-	19
24 X 24 X 4	MA()-42424	23.375	23.375	3.625	1200	2000	2500	27.6	22	-	22
25 X 29 X 4	MA()-42529	24.5	28.5	3.625	1500	2500	3000	35.3	-	-	-

() Add #8, 10, 15 or HT

Special sizes are available upon request.

Technical information

Models	Depth	Pleats per foot	Initial Resistance (300 FPM)	Initial Resistance (500 FPM)	Initial Resistance (625FPM)	Final Resistance	Efficiency (%) ASHRAE STD 52.1	MERV ASHRAE 52.2 2007	Temperature (°F) MAX
MA-15	1"	16	.18"	N.R.	N.R.	1.0"	30-35%	8	200
	2"	15	.14"	.26"	.22"	1.0"	30-35%	8	200
	4"	11	.10"	.22"	.34"	1.0"	30-35%	8	200
MA-10	1"	14	.21"	N.R.	N.R.	1.0"	25-30%	7	200
	2"	10	.18"	.28"	.34"	1.0"	25-30%	7	200
	4"	8	.13"	.34"	.32"	1.0"	25-30%	7	200
MA-8	1"	12	.24"	N.R.	N.R.	1.0"	20-25%	6	200
	2"	8	.25"	.34"	N.R.	1.0"	20-25%	6	200
MAHT	2"	10	.30"	.40"	N.R.	1.0"	25-30%	7	400
	4"	8	.15"	.21"	N.R.	1.0"	25-30%	7	400

N.R. - Not recommended

Applications

- » Prefilter for a higher efficient final filter.
- » Primary filter where medium efficiency is required.
- » Easily replaces fiber glass or polyester filters.
- » Higher level of filtration for track systems of 1", 2" & 4".

Hardy Filtration Inc. reserves the right to make changes without notice.