

AIREPLEAT M13

High Capacity MERV 13 Pleated Panel Filter

General

Airepure® Australia has selected Kimberly-Clark INTREPID® 513H Pleat Filtration Media of which is designed to provide sustained efficiency with a low pressure drop. All INTREPID Filtration Media is 100% synthetic, so it will not absorb moisture or support microbial growth. It has a lower initial pressure drop than cotton-polyester and self supporting pleat media which leads to energy savings during use.

AirePleat M13 high capacity filters can easily upgrade existing flat panel, V-Form, MERV 8 or 11 filters currently being used with little or in some circumstances less in static pressure. AirePleat M13 high capacity filters are available in nominal 25mm, 50mm and 100mm depths. All AirePleat M13 high capacity 25mm and 50mm deep filters are rated to MERV 13 per ASHRAE 52.2-99.

AirePleat M13 high capacity filters are suitable for variable air volume systems. Operating face velocity ranges are from 0 to 2.54 m/sec face velocity and can be used in most heating, air conditioning, or ventilating systems.

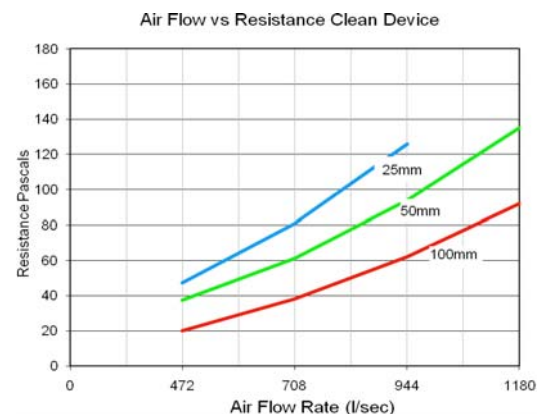
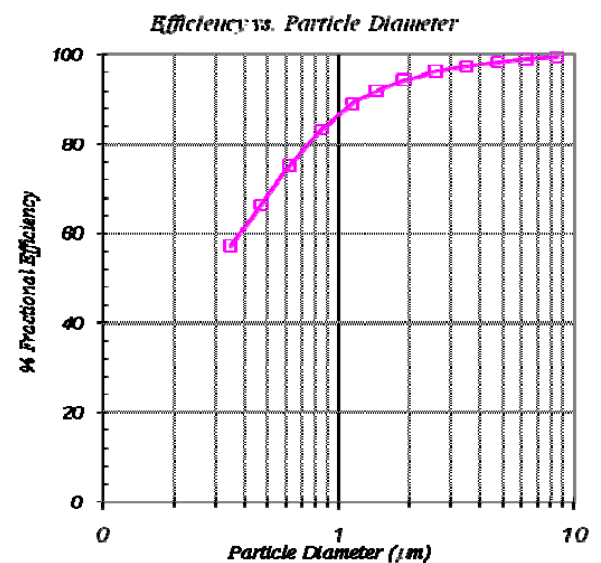
Installation

AirePleat M13 high capacity disposable pleated filters are suitable as a primary filter to meet AS 1668.2 and can be installed in universal holding frames, side access applications and similar existing hardware. They may be used as pre-filters to extend the life of AirePak, PurePak, PureCell and AireFlow-V filters in these framing systems.

AirePleat M13 high capacity "elements" and "rolls" are also offered. These are pleated sections of AirePleat M13 media in selected widths with the metal backing for use in a re-useable metal frame (service pleat).

Important Features

- 100% Continuous hydrophobic polyolefin fibres coupled with proprietary electrostatic treating technology
- Continuous fibres to prevent fibre shredding
- Media maximising V-Pleat design
- Expanded metal grid prevents media flutter while in operation
- Diagonal and horizontal support members provide frame strength
- Moisture resistant beverage board
- MERV 13 Rating as per ASHRAE 52.2
- AirePleat M13 is available in all the standard sizes and are available in non standard cut-down versions



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PERFORMANCE DATA HIGH CAPACITY						
Product code	Nominal Size H x W x D (mm)	Actual Size H x W x D (mm)	Airflow Capacity @ 2.54 m/sec (l/sec)	Initial Resistance @ 2.54 m/sec	No. of Pleats per 300mm	Media Area sq. mtr
25mm AIREPLEAT M13						
13011010	254 x 254 x 25	241 x 241 x 22	164	126	18.5 Pleats per 300mm	0.18
13011020	254 x 508 x 25	241 x 495 x 22	328	126		0.34
13011220	305 x 508 x 25	292 x 495 x 22	394	126		0.40
13011224	305 x 610 x 25	292 x 594 x 22	472	126		0.49
13011420	356 x 508 x 25	343 x 495 x 22	458	126		0.48
13011425	356 x 635 x 25	343 x 622 x 22	572	126		0.60
13011520	381 x 508 x 25	368 x 495 x 22	492	126		0.50
13011620	406 x 508 x 25	394 x 495 x 22	525	126		0.57
13011624	406 x 610 x 25	394 x 594 x 22	628	126		0.58
13011625	406 x 635 x 25	394 x 622 x 22	655	126		0.70
13011824	457 x 610 x 25	445 x 594 x 22	708	126		0.78
13011825	457 x 635 x 25	445 x 622 x 22	736	126		0.74
13012020	508 x 508 x 25	495 x 495 x 22	655	126		0.76
13012024	508 x 610 x 25	495 x 594 x 22	786	126		0.62
13012025	508 x 635 x 25	495 x 622 x 22	819	126		0.84
13012030	508 x 762 x 25	495 x 749 x 22	983	126		0.91
13012424	610 x 610 x 25	594 x 594 x 22	944	126		0.87
13012525	635 x 635 x 25	622 x 622 x 22	1025	126		1.23
50mm AIREPLEAT M13						
13021010	254 x 254 x 50	241 x 241 x 44	164	94	18.5 Pleats per 300mm	0.36
13021020	254 x 508 x 50	241 x 495 x 44	328	94		0.73
13021212	305 x 305 x 50	292 x 292 x 44	236	94		0.50
13021220	305 x 508 x 50	292 x 495 x 44	394	94		0.89
13021224	305 x 610 x 50	292 x 594 x 44	472	94		1.00
13021420	356 x 508 x 50	343 x 495 x 44	458	94		1.02
13021424	356 x 610 x 50	343 x 594 x 44	550	94		1.18
13021425	356 x 635 x 50	343 x 622 x 44	572	94		1.28
13021520	381 x 508 x 50	368 x 495 x 44	492	94		1.10
13021616	406 x 406 x 50	394 x 394 x 44	419	94		0.89
13021620	406 x 508 x 50	394 x 495 x 44	525	94		1.15
13021624	406 x 610 x 50	394 x 594 x 44	628	94		1.34
13021625	406 x 635 x 50	394 x 622 x 44	655	94		1.42
13021820	457 x 508 x 50	445 x 495 x 44	590	94		1.27
13021824	457 x 610 x 50	445 x 594 x 44	708	94		1.58
13021825	457 x 635 x 50	445 x 622 x 44	736	94		1.65
13022020	508 x 508 x 50	495 x 495 x 44	655	94		1.42
13022024	508 x 610 x 50	495 x 594 x 44	786	94		1.75
13022025	508 x 635 x 50	495 x 622 x 44	819	94	1.77	
13022030	508 x 762 x 50	495 x 749 x 44	983	94	2.17	
13022424	610 x 610 x 50	594 x 594 x 44	944	94	2.02	
13022525	635 x 635 x 50	622 x 622 x 44	1025	94	2.19	
100mm AIREPLEAT M13						
13041021	254 x 530 x 100	241 x 515 x 95	342	62	16.5 Pleats per 300mm	1.26
13041212	305 x 305 x 100	292 x 292 x 95	236	62		0.86
13041224	305 x 610 x 100	292 x 594 x 95	472	62		1.80
13041620	406 x 508 x 100	394 x 495 x 95	525	62		2.12
13041624	406 x 610 x 100	394 x 594 x 95	629	62		2.37
13041625	406 x 635 x 100	394 x 622 x 95	655	62		2.66
13041820	457 x 508 x 100	445 x 495 x 95	589	62		2.23
13041824	457 x 610 x 100	445 x 594 x 95	708	62		2.86
13042020	508 x 508 x 100	495 x 495 x 95	655	62		2.63
13042024	508 x 610 x 100	495 x 594 x 95	786	62		2.83
13042025	508 x 635 x 100	495 x 622 x 95	819	62		3.26
13042030	508 x 762 x 100	495 x 749 x 95	983	62		3.76
13042424	610 x 610 x 100	594 x 594 x 95	944	62		3.78
13042529	635 x 736 x 100	622 x 724 x 95	1186	62		4.53
13042830	711 x 762 x 100	698 x 749 x 95	1375	62		5.02

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