

Revolution Pocket Filter MERV 16/16A

Extended Surface High Efficiency Air Filter

Medical, industrial, and commercial grade super high efficiency MERV 16/16A synthetic pocket filters provide maximum protection against airborne microbes and bacteria in HVAC systems. Unique proprietary synthetic depth-loading media utilizing pre-formed pocket waves in the manufacturing process to increase the effective media area 2.5x in the same space.



BENEFITS



Maximum MERV 16/16A efficiency at low resistance to air flow



Mitigates 99% of dangerous airborne PM1 & PM2.5 particulate

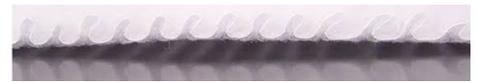


Media is not charged - efficiency does not diminish during use

APPLICATIONS

- Hospitals
- Surgical Centers
- Commercial Buildings
- Food Processing Facilities
- Schools & Universities
- Museums
- Data Centers
- Human occupied indoor spaces

NanoWave® Media



ULTIMATE MERV16/16A EFFICIENCY AND MAXIMUM ENERGY SAVINGS

Revolution MERV 16 provides the highest level of efficiency on PM1_{52.2}, PM2.5_{52.2} and PM10_{52.2} microscopic matter deemed harmful to humans. The NanoWave® media design provides exceptional life and the lowest total cost of ownership (TCO).

US AQI Efficiency		PM1 _{52.2}	PM2.5 _{52.2}	PM10 _{52.2}
MERV 16		98	98	98
Particles	PM1	MERV 15 90	91	93
	PM2.5	MERV 14 80	85	88
	PM10	MERV 13 63	75	81
Gases	NO2	MERV 12 43	63	72
	O3	MERV 11 28	50	63
	SO2	MERV 10 15	36	52
	CO	MERV 9 8	25	43
		MERV 8 5	16	35



Revolution synthetic media is manufactured in the USA at an ISO-certified facility



BENEFITS

- Patented dust pocket waves throughout media
- 100% Mechanical filtration - not statically charged to boost efficiency
- Filter efficiency does not diminish over time
- Exceptionally high Dust Holding Capacity - 790 gms
- Highest MERV 16A level efficiency for maximum protection
- Effective mitigation of submicron airborne particles harmful to humans
- Temperatures up to 140°F (60°C)
- Excellent protection for HVAC systems, equipment, and ductwork
- Media manufactured in the USA in an ISO Certified facility
- Lowest resistance available for MERV 16/16A



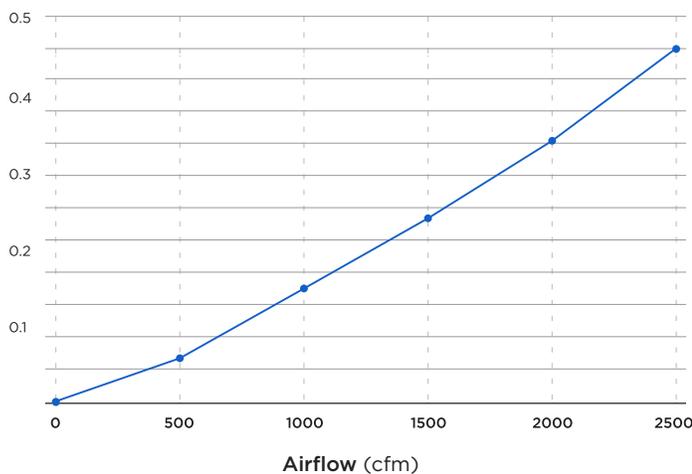
MERV Value	Part Number	Nominal	Actual	Airflow cfm	Initial Resistance inches W.C.	Filter Media Area ft ²
16/16A	RV1624242208	24 x 24 x 22	23.3" x 23.3" x 22"	2000	0.34"	58
16/16A	RV1612242204	12 x 24 x 22	11.3" x 23.3" x 22"	1000	0.34"	29

- Standard depth: 15", 22", 26"
- Standard Pockets: 10, 8

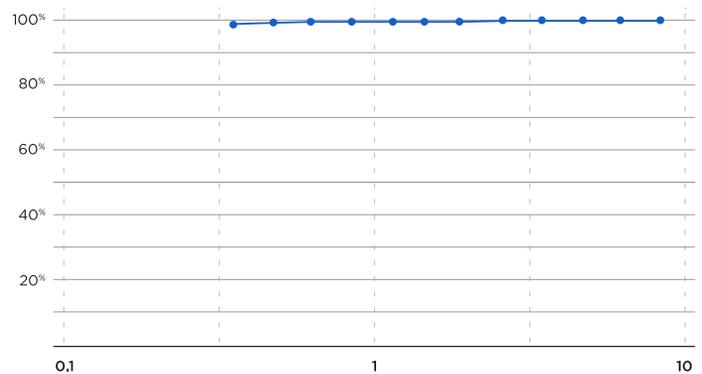
Performance Data Notes for Revolution Pocket Filters:

1. Pressure drop represents inches of water (0.34" w.c.) for 22" depth filter independent lab tested at 2,000 cfm
2. Efficiency is based upon ASHRAE 52.2-2012 Appendix J

RESISTANCE in W.C.



REMOVAL EFFICIENCY Particle size in micrometers



For questions and orders contact
 Rensa Filtration at info@rensafiltration.com
 or visit Rensafiltration.com

PERFORMANCE EFFICIENCY

**from actual test results*

	PM1 _{52.2}	PM2.5 _{52.2}	PM10 _{52.2}
MERV 16/16A	99%	100%	100%