

## PRODUCT OVERVIEW

- MERV 8
- Available in 1" or 2" depth, Standard or High Capacity
- Ideal for use in
  - Prefilter for high efficiency filters
  - Office and Retail
  - Manufacturing and Distribution
  - Government and Educational facilities
  - Doctor offices, assisted living facilities and Hospitals
  - Hotels and Airports
  - Single and Multi-Family Housing



## **AEROSTAR** NOVApLeat<sup>®</sup>

### WHY A NOVApLeat?

- 100% synthetic self supporting pleated media reduces weight and does not sacrifice efficiency
- Does not rely on electrostatic charge
- Low resistance to air flow means minimal energy costs
- Moisture resistant and will not promote microbial growth
- Excellent pre-filter for higher efficiency air filters
- Effectively removes airborne irritants
- Protects cooling coils & ductwork of HVAC system
- Stronger and more durable than ever
  - Increased moisture resistance due to clay coated paper board (1") or high wet strength beverage board (2")
  - Patented\*, rugged structural design

### WHY A SELF-SUPPORTED PLEAT?

- Virtually eliminates shipping damage
- Better for the environment
  - No RoHS risk (heavy metals)
  - Reduces landfill waste
  - Fully incinerable
  - No metal corroding
  - MERV 8 filter may be used for LEED certification points

Can withstand considerable abuse resulting from shipping damage and mishandling.

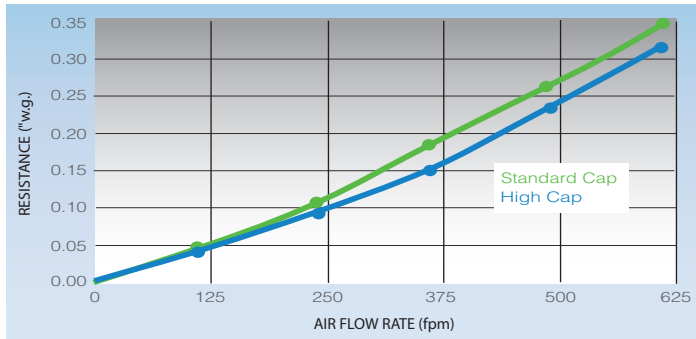


\* U.S. patent numbers 7,156,891 and D544,949

## PERFORMANCE DATA (24 x 24)

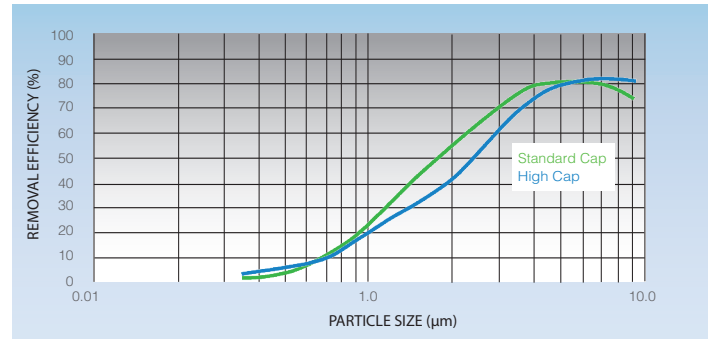
CAPACITY	FILTER DEPTH	INITIAL RESISTANCE ("w.g.)			FINAL RESISTANCE ("w.g.)
		300 fpm	375 fpm	500 fpm	
Standard	1"	0.24	0.33	–	1.0
	2"	–	0.18	0.26	1.0

## INITIAL RESISTANCE (24 x 24 x 2)



CAPACITY	FILTER DEPTH	INITIAL RESISTANCE ("w.g.)			FINAL RESISTANCE ("w.g.)
		300 fpm	375 fpm	500 fpm	
High	1"	0.19	0.26	–	1.0
	2"	–	0.15	0.23	1.0

## MINIMUM REMOVAL EFFICIENCY (24 x 24 x 2)



## PRODUCT DATA

PART NUMBER		NOMINAL SIZE* (H" x W" x D")	ACTUAL SIZE (H" x W" x D")	CFM CAPABILITIES	
STD CAP	HIGH CAP			300 fpm	375 fpm
21712201	21912201	12 x 20 x 1	11 1/2 x 19 1/2 x 3/4	500	625
21712241	21912241	12 x 24 x 1	11 3/8 x 23 3/8 x 3/4	600	750
21714201	21914201	14 x 20 x 1	13 1/2 x 19 1/2 x 3/4	575	725
21714251	21914251	14 x 25 x 1	13 1/2 x 24 1/2 x 3/4	725	900
21715201	21915201	15 x 20 x 1	14 1/2 x 19 1/2 x 3/4	625	775
21716161	21916161	16 x 16 x 1	15 1/2 x 15 1/2 x 3/4	525	650
21716201	21916201	16 x 20 x 1	15 1/2 x 19 1/2 x 3/4	650	825
21716241	21916241	16 x 24 x 1	15 3/8 x 23 3/8 x 3/4	800	1000
21716251	21916251	16 x 25 x 1	15 1/2 x 24 1/2 x 3/4	825	1050
21718181	21918181	18 x 18 x 1	17 1/2 x 17 1/2 x 3/4	675	850
21718201	21918201	18 x 20 x 1	17 1/2 x 19 1/2 x 3/4	750	925
21718221	21918221	18 x 22 x 1	17 1/2 x 21 1/2 x 3/4	825	1025
21718241	21918241	18 x 24 x 1	17 3/8 x 23 3/8 x 3/4	900	1125
21718251	21918251	18 x 25 x 1	17 1/2 x 24 1/2 x 3/4	925	1175
21720201	21920201	20 x 20 x 1	19 1/2 x 19 1/2 x 3/4	825	1050
21720241	21920241	20 x 24 x 1	19 3/8 x 23 3/8 x 3/4	1000	1250
21720251	21920251	20 x 25 x 1	19 1/2 x 24 1/2 x 3/4	1050	1300
21724241	21924241	24 x 24 x 1	23 3/8 x 23 3/8 x 3/4	1200	1500
21725251	21925251	25 x 25 x 1	24 1/2 x 24 1/2 x 3/4	1300	1625

\* Contact Customer Care for additional sizes and information.

PART NUMBER		NOMINAL SIZE* (H" x W" x D")	ACTUAL SIZE (H" x W" x D")	CFM CAPABILITIES	
STD CAP	HIGH CAP			375 fpm	500 fpm
211130	21255	12 x 20 x 2	11 1/2 x 19 1/2 x 1 3/4	625	825
211131	21256	12 x 24 x 2	11 3/8 x 23 3/8 x 1 3/4	750	1000
211132	21257	14 x 20 x 2	13 1/2 x 19 1/2 x 1 3/4	725	975
211133	21258	14 x 25 x 2	13 1/2 x 24 1/2 x 1 3/4	900	1200
211134	21259	15 x 20 x 2	14 1/2 x 19 1/2 x 1 3/4	775	1025
211135	21260	16 x 16 x 2	15 1/2 x 15 1/2 x 1 3/4	650	875
211136	21261	16 x 20 x 2	15 1/2 x 19 1/2 x 1 3/4	825	1100
211137	21262	16 x 24 x 2	15 3/8 x 23 3/8 x 1 3/4	1000	1325
211138	21263	16 x 25 x 2	15 1/2 x 24 1/2 x 1 3/4	1050	1400
21501	21500	18 x 18 x 2	17 1/2 x 17 1/2 x 1 3/4	850	1125
211139	21264	18 x 20 x 2	17 1/2 x 19 1/2 x 1 3/4	950	1250
211140	21265	18 x 22 x 2	17 1/2 x 21 1/2 x 1 3/4	1025	1375
211141	21266	18 x 24 x 2	17 3/8 x 23 3/8 x 1 3/4	1125	1500
211142	21267	18 x 25 x 2	17 1/2 x 24 1/2 x 1 3/4	1175	1550
211143	21268	20 x 20 x 2	19 1/2 x 19 1/2 x 1 3/4	1050	1400
211144	21269	20 x 24 x 2	19 3/8 x 23 3/8 x 1 3/4	1250	1650
211145	21270	20 x 25 x 2	19 1/2 x 24 1/2 x 1 3/4	1300	1750
211146	21271	24 x 24 x 2	23 3/8 x 23 3/8 x 1 3/4	1500	2000
211147	21272	25 x 25 x 2	24 1/2 x 24 1/2 x 1 3/4	1625	2150

## ENGINEERING SPECIFICATIONS

### 1.0 General

- Filters shall be Aerostar® NOVApleat extended surface pleated air filters as manufactured by Filtration Group.
- Filters shall be available in standard and high capacity configurations with a depth of 1" and 2".
- Underwriters Laboratories classified to UL 900.
- Filters are manufactured by an ISO 9001 registered company.

### 2.0 Filter Materials of Construction

- Media shall be 100% synthetic media that does not support microbial growth
- Square pleat tip increases surface contact and increases filter rigidity.
- Frame shall have a clay coated paper board (1") or high wet strength beverage board (2") with horizontal strips and a vertical support strut in larger sizes on the downstream side that increases filter rigidity and prevents breaching. Frame shall be recyclable.

- Filters shall be of a metal-free construction that can be completely incinerated and does not contain galvanized steel to reduce its impact when land-filled.

### 3.0 Filter Performance

- Filters shall be available in a MERV 8 standard capacity and high capacity configuration when tested in accordance with ASHRAE 52.2 Test Standard.
- For initial resistance of filters, see Performance Data chart above.
- Filters shall be rated to withstand a continuous operating temperature of up to 150°F.
- Filters shall have a recommended final resistance of 1.0" w.g.