Filtration Group®
HVAC

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

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

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

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.

Phone: +1 877.344.8326 • **Fax:** +1 800.518.1162 • www.filtrationgroup.com • aerostar@filtrationgroup.com

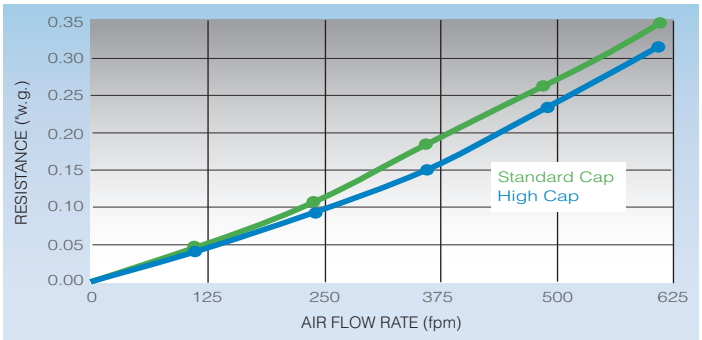
AEROSTAR® NOVApleat

PERFORMANCE DATA (24 x 24)

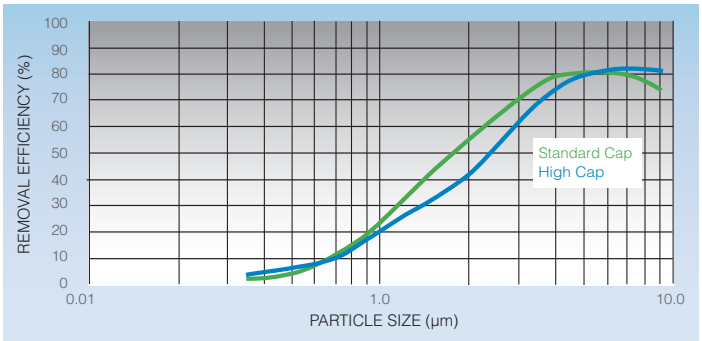
CAPACITY	FILTER DEPTH	INITIAL RESISTANCE ("w.g.)			FINAL RESISTANCE ("w.g.)
		300 fpm	375 fpm	500 fpm	
Standard	1"	0.24	0.33	–	1.0
	2"	–	0.18	0.26	1.0

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

INITIAL RESISTANCE (24 x 24 x 2)



MINIMUM REMOVAL EFFICIENCY (24 x 24 x 2)



PRODUCT DATA

PART NUMBER		NOMINAL SIZE*	ACTUAL SIZE	CFM CAPABILITIES	
STD CAP	HIGH CAP	(H" x W" x D")	(H" x W" x D")	300 fpm	375 fpm
21712201	21912201	12 x 20 x 1	11 ½ x 19 ½ x ¾	500	625
21712241	21912241	12 x 24 x 1	11 ⅜ x 23 ⅜ x ¾	600	750
21714201	21914201	14 x 20 x 1	13 ½ x 19 ½ x ¾	575	725
21714251	21914251	14 x 25 x 1	13 ½ x 24 ½ x ¾	725	900
21715201	21915201	15 x 20 x 1	14 ½ x 19 ½ x ¾	625	775
21716161	21916161	16 x 16 x 1	15 ½ x 15 ½ x ¾	525	650
21716201	21916201	16 x 20 x 1	15 ½ x 19 ½ x ¾	650	825
21716241	21916241	16 x 24 x 1	15 ⅜ x 23 ⅜ x ¾	800	1000
21716251	21916251	16 x 25 x 1	15 ½ x 24 ½ x ¾	825	1050
21718181	21918181	18 x 18 x 1	17 ½ x 17 ½ x ¾	675	850
21718201	21918201	18 x 20 x 1	17 ½ x 19 ½ x ¾	750	925
21718221	21918221	18 x 22 x 1	17 ½ x 21 ½ x ¾	825	1025
21718241	21918241	18 x 24 x 1	17 ⅜ x 23 ⅜ x ¾	900	1125
21718251	21918251	18 x 25 x 1	17 ½ x 24 ½ x ¾	925	1175
21720201	21920201	20 x 20 x 1	19 ½ x 19 ½ x ¾	825	1050
21720241	21920241	20 x 24 x 1	19 ⅜ x 23 ⅜ x ¾	1000	1250
21720251	21920251	20 x 25 x 1	19 ½ x 24 ½ x ¾	1050	1300
21724241	21924241	24 x 24 x 1	23 ⅜ x 23 ⅜ x ¾	1200	1500
21725251	21925251	25 x 25 x 1	24 ½ x 24 ½ x ¾	1300	1625

PART NUMBER		NOMINAL SIZE*	ACTUAL SIZE	CFM CAPABILITIES	
STD CAP	HIGH CAP	(H" x W" x D")	(H" x W" x D")	375 fpm	500 fpm
21130	21255	12 x 20 x 2	11 ½ x 19 ½ x 1 ¾	625	825
21131	21256	12 x 24 x 2	11 ⅜ x 23 ⅜ x 1 ¾	750	1000
21132	21257	14 x 20 x 2	13 ½ x 19 ½ x 1 ¾	725	975
21133	21258	14 x 25 x 2	13 ½ x 24 ½ x 1 ¾	900	1200
21134	21259	15 x 20 x 2	14 ½ x 19 ½ x 1 ¾	775	1025
21135	21260	16 x 16 x 2	15 ½ x 15 ½ x 1 ¾	650	875
21136	21261	16 x 20 x 2	15 ½ x 19 ½ x 1 ¾	825	1100
21137	21262	16 x 24 x 2	15 ⅜ x 23 ⅜ x 1 ¾	1000	1325
21138	21263	16 x 25 x 2	15 ½ x 24 ½ x 1 ¾	1050	1400
21501	21500	18 x 18 x 2	17 ½ x 17 ½ x 1 ¾	850	1125
21139	21264	18 x 20 x 2	17 ½ x 19 ½ x 1 ¾	950	1250
21140	21265	18 x 22 x 2	17 ½ x 21 ½ x 1 ¾	1025	1375
21141	21266	18 x 24 x 2	17 ⅜ x 23 ⅜ x 1 ¾	1125	1500
21142	21267	18 x 25 x 2	17 ½ x 24 ½ x 1 ¾	1175	1550
21143	21268	20 x 20 x 2	19 ½ x 19 ½ x 1 ¾	1050	1400
21144	21269	20 x 24 x 2	19 ⅜ x 23 ⅜ x 1 ¾	1250	1650
21145	21270	20 x 25 x 2	19 ½ x 24 ½ x 1 ¾	1300	1750
21146	21271	24 x 24 x 2	23 ⅜ x 23 ⅜ x 1 ¾	1500	2000
21147	21272	25 x 25 x 2	24 ½ x 24 ½ x 1 ¾	1625	2150

* Contact Customer Care for additional sizes and information.

ENGINEERING SPECIFICATIONS

1.0 General

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

2.0 Filter Materials of Construction

2.1 Media shall be 100% synthetic media that does not support microbial growth
2.2 Square pleat tip increases surface contact and increases filter rigidity.
2.3 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.
2.4 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

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

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