

NEW AND IMPROVED



NOVA PLEAT®

1"

MERV 8

STANDARD
AND
HIGH CAPACITY



Ideal for use in

- Residential
- Commercial
- Industrial

WHAT'S NEW?

- Through the use of CFD (computational fluid dynamics), we have developed our best NOVA^{PLEAT} yet!
 - 21% lower pressure drop
 - 21% lower energy cost
- Stronger and more durable than ever
 - Increased moisture resistance
 - 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

Filtration Group

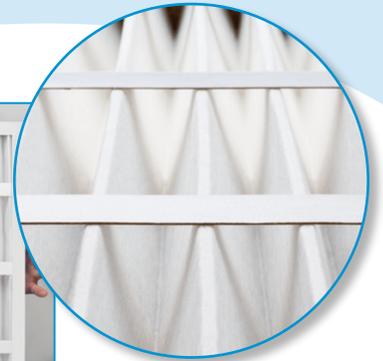
HVAC



1" NOVAPLEAT AND NOVAPLEAT HC



The NOVAPLEAT and NOVAPLEAT HC are engineered to be extremely durable and can withstand considerable abuse resulting from shipping damage and mishandling.



Square top pleat design provides added rigidity and improved airflow characteristics.

NOVAPLEAT 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".
- 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 with a square top pleat tip that increases surface contact and increases filter rigidity.
- 2.2 Frame shall be a heavy-duty, high strength, moisture resistant paperboard with horizontal strips that prevent breaching. Frame shall be made with 100% recycled paperboard with an average of 35% post-consumer content.
- 2.3 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 fully tested in accordance with ASHRAE 52.2-2007 Test Standard.
- 3.2 Filter shall have a low initial pressure drop that shall not exceed 0.19" w.g. in high capacity at 300 fpm air flow; and 0.24" w.g. in standard capacity at 300 fpm air flow.
- 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.

1" NOVAPLEAT AND NOVAPLEAT HC

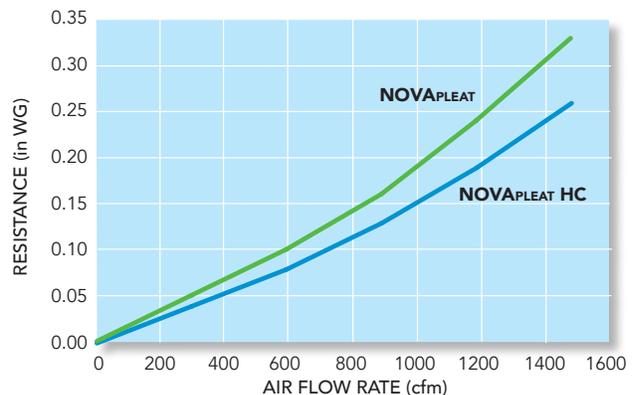
PART NUMBER		SIZE	CFM CAPABILITIES
NOVAPLEAT	NOVAPLEAT HC		HIGH
21712201	21912201	12 x 20 x 1	495
21712241	21912241	12 x 24 x 1	600
21714201	21914201	14 x 20 x 1	585
21714251	21914251	14 x 25 x 1	720
21715201	21915201	15 x 20 x 1	615
21716161	21916161	16 x 16 x 1	525
21716201	21916201	16 x 20 x 1	665
21716241	21916241	16 x 24 x 1	800
21716251	21916251	16 x 25 x 1	835
21718181	21918181	18 x 18 x 1	675
21718201	21918201	18 x 20 x 1	750
21718221	21918221	18 x 22 x 1	825
21718241	21918241	18 x 24 x 1	900
21718251	21918251	18 x 25 x 1	940
21720201	21920201	20 x 20 x 1	835
21720241	21920241	20 x 24 x 1	1000
21720251	21920251	20 x 25 x 1	1040
21724241	21924241	24 x 24 x 1	1200
21725251	21925251	25 x 25 x 1	1300

Please contact Customer Service for other sizes and information.

24 x 24 x 1 INITIAL RESISTANCE

PRODUCT	300 FPM	MERV
NOVAPLEAT	0.24" w.g.	8
NOVAPLEAT HC	0.19" w.g.	8

AIR FLOW vs PRESSURE DROP



Test data results based on 24" x 24" x 1" filter sample.

Filtration Group



HVAC

Phone: 877-344-8326 • Fax: 800-518-1162
 www.filtrationgroup.com
 e-mail: aerostar@filtrationgroup.com
 ISO 9001 Registered Company

