



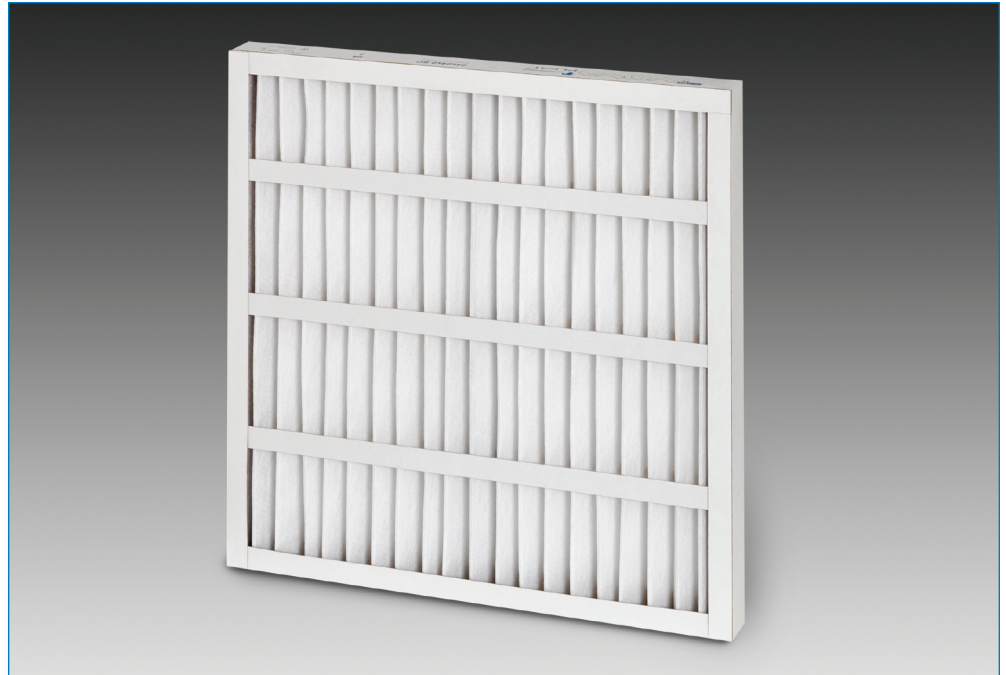
DAFCO FILTRATION GROUP®

NOVAPLEAT AND NOVAPLEAT HC



NOVAPLEAT®

- Precision machine fabrication for consistent quality
- 100% metal free design
- Extremely durable heavy weight media
- Center support strut eliminates breaching
- Design dramatically reduces shipping damage
- Square pleat tip provides added rigidity
- High Capacity (HC) model available
- Achieves MERV 8
- Protected by U.S. patent numbers 7,156,891 and D544,949



DESCRIPTION

The NOVAPleat is the next generation of extended surface pleated filters. The construction process is automated ensuring consistent quality and uniform appearance and performance. The NOVAPleat eliminates the inconsistencies in pleat spacing, material variations, and poor quality construction issues, common to hand assembled pleated filters.

The NOVAPleat is engineered with only premium materials, eliminating the need for the sharp metal support grid found on other pleated filters. The advanced design of the NOVAPleat also makes it extremely durable, virtually eliminating shipping and handling damage.

BENEFITS

The square pleat tip design provides increased surface contact and added rigidity. The frame design, coupled with the resilient media, allows the NOVAPleat to take considerable abuse from shipping and handling without damage to the filter. The center support strut adds tremendous

strength to the frame, producing a tough, rigid filter suitable for long life applications.

The NOVAPleat is constructed with a 100% synthetic material that is twice the weight of conventional pleated filters. The durable, synthetic media stands up to rough field handling conditions. The synthetic media is not negatively affected by high humidity applications, as is typically the case with cotton blend and resin bonded pleat media.

APPLICATIONS

The NOVAPleat is a standard capacity air filter designed for use in nearly all commercial, industrial, and health care facilities. It can be used as the primary filter, or as a prefilter to higher efficiency final filters. The NOVAPleat is suitable for environments ranging from dry and harsh to high humidity.

The NOVAPleat HC (High Capacity) offers considerably more surface area for applications requiring high levels of efficiency and service life.

NOVAPLEAT AND NOVAPLEAT HC



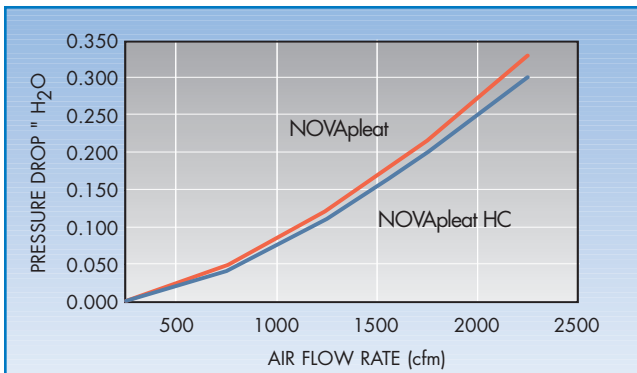
DIMENSIONS AND PERFORMANCE DATA

PART NUMBER NOVAPleat	PART NUMBER NOVAPleat HC	SIZE	CFM CAPABILITIES	
			NOVAPleat & NOVAPleat HC MEDIUM	HIGH
21130	21255	12 x 20 x 2	495	825
21131	21256	12 x 24 x 2	600	1000
21132	21257	14 x 20 x 2	585	975
21133	21258	14 x 25 x 2	720	1200
21134	21259	15 x 20 x 2	615	1025
21135	21260	16 x 16 x 2	525	875
21136	21261	16 x 20 x 2	665	1110
21137	21262	16 x 24 x 2	800	1335
21138	21263	16 x 25 x 2	835	1390
21501	21500	18 x 18 x 2	675	1125
21139	21264	18 x 20 x 2	750	1250
21140	21265	18 x 22 x 2	825	1375
21141	21266	18 x 24 x 2	900	1500
21142	21267	18 x 25 x 2	940	1565
21143	21268	20 x 20 x 2	835	1390
21144	21269	20 x 24 x 2	1000	1665
21145	21270	20 x 25 x 2	1040	1735
21146	21271	24 x 24 x 2	1200	2000
21147	21272	25 x 25 x 2	1300	2170

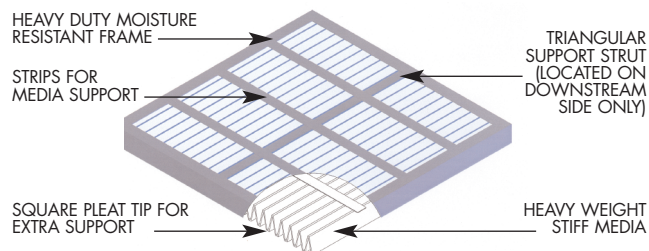
24 x 24 x 2 INITIAL RESISTANCE

PRODUCT	300 FPM	500 FPM	MERV
NOVAPleat	0.16	0.33	8
NOVAPleat HC	0.15	0.30	8

AIR FLOW VS. PRESSURE DROP



Test data results based on a 24" x 24" x 2" filter sample



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 2".
- 1.3 Underwriters Laboratories classified to UL 900.
- 1.4 Filters are manufactured by an ISO 9001 registered company.

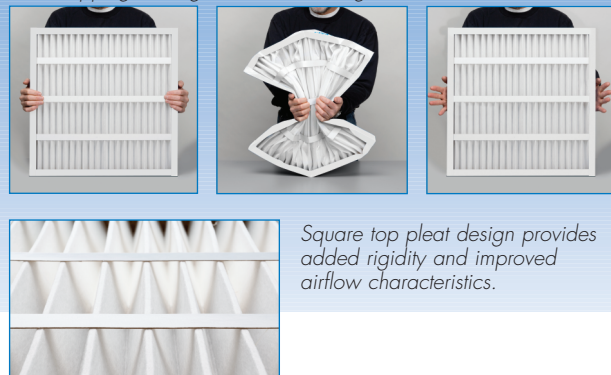
2.0 Filter Materials of Construction

- 2.1 Media shall be 100% synthetic media that does not support microbial growth 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 and a vertical support strut on the downstream side that increases filter rigidity and prevents breaching. Frame shall be made with 100% recycled paperboard with an average of 35% postconsumer 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 0.30" w.g. in high capacity at 500 fpm air flow; and 0.33" w.g. in standard capacity at 500 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.

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



Distributed by:



DAFCO FILTRATION GROUP®

Phone: 1-888-628-3458
www.dafcofiltrationgroup.com ■ e-mail: info@dafcofiltrationgroup.com

© DFG 12/11

WHEN CLEAN AIR MATTERS