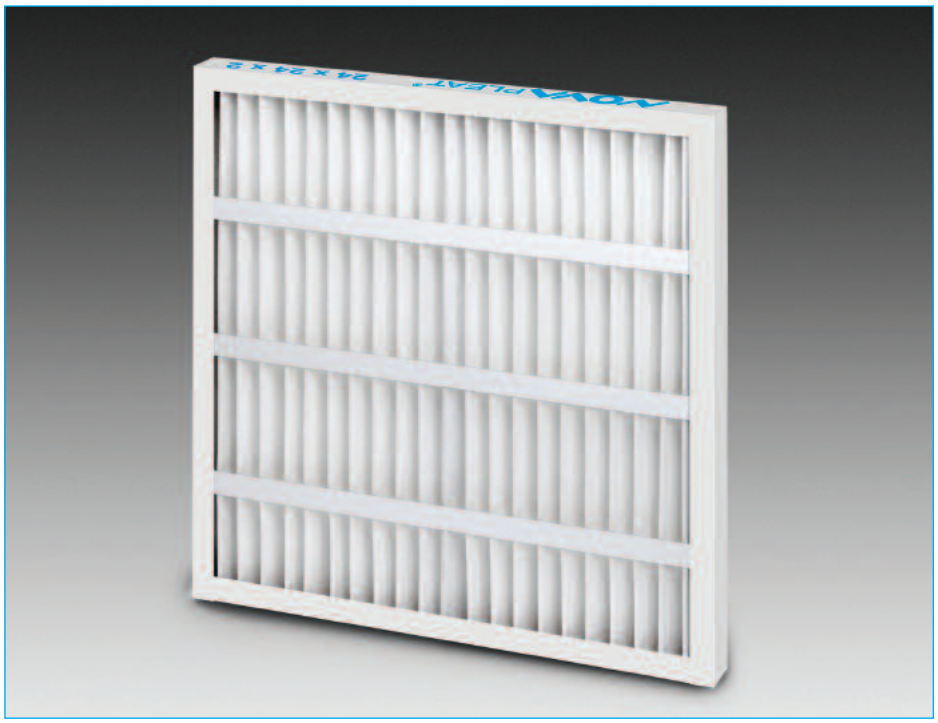
DAFCO FILTRATION GROUP®

NOVAPLEAT® AND NOVAPLEAT® HC

AEROSTAR®

- Precision machine fabrication for consistent quality
- 100% metal free design
- Extremely durable heavy weight media
- Center support strut eliminates breaching
- New design dramatically reduces shipping damage
- Square pleat tip provides added rigidity
- High Capacity (HC) model available
- Achieves MERV 7 (per ASHRAE Standard 52.2)
- 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 new square pleat tip design* provides increased surface contact and added rigidity. The new 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 thermally bonded 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 increased efficiency and considerably more surface area for applications requiring higher levels of efficiency and service life.

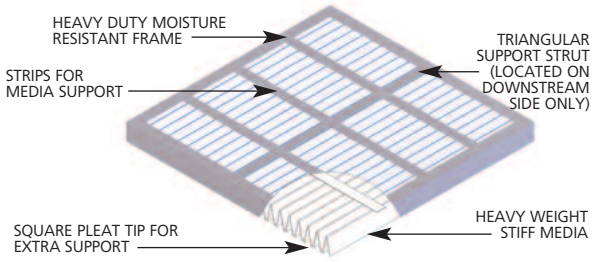
DAFCO FILTRATION GROUP®
NOVAPLEAT® AND NOVAPLEAT® HC

DIMENSIONS AND PERFORMANCE DATA

PART NUMBER NOVApleat	PART NUMBER NOVApleat HC	SIZE	ACTUAL FILTER DIMENSIONS (H X W X D)	CFM CAPABILITIES NOVApleat & NOVApleat HC MEDIUM	HIGH	MEDIA AREA SQUARE FEET NOVApleat	NOVApleat HC
21130	21255	12 X 20 X 2	11 1/2 X 19 1/2 X 1 3/4	495	825	5.2	7.8
21131	21256	12 X 24 X 2	11 3/8 X 23 3/8 X 1 3/4	600	1000	6.2	9.3
21132	21257	14 X 20 X 2	13 1/2 X 19 1/2 X 1 3/4	585	975	6.2	8.8
21133	21258	14 X 25 X 2	13 1/2 X 24 1/2 X 1 3/4	720	1200	7.58	11
21134	21259	15 X 20 X 2	14 1/2 X 19 1/2 X 1 3/4	615	1025	6.7	9.8
21135	21360	16 X 16 X 2	15 1/2 X 15 1/2 X 1 3/4	525	875	5.5	8.4
21136	21361	16 X 20 X 2	15 1/2 X 19 1/2 X 1 3/4	665	1110	6.7	10.4
21137	21362	16 X 24 X 2	15 3/8 X 23 3/8 X 1 3/4	800	1335	8.1	12.4
21138	21363	16 X 25 X 2	15 1/2 X 24 1/2 X 1 3/4	835	1390	8.4	12.9
21139	21264	18 X 20 X 2	17 1/2 X 19 1/2 X 1 3/4	750	1250	7.7	11.9
21141	21366	18 X 24 X 2	17 3/8 X 23 3/8 X 1 3/4	900	1500	9.3	14.3
21142	21367	18 X 25 X 2	17 1/2 X 24 1/2 X 1 3/4	940	1565	9.7	14.9
21143	21368	20 X 20 X 2	19 1/2 X 19 1/2 X 1 3/4	835	1390	10.6	15.5
21144	21369	20 X 24 X 2	19 3/8 X 23 3/8 X 1 3/4	1000	1665	12.4	18.6
21145	21270	20 X 25 X 2	19 1/2 X 24 1/2 X 1 3/4	1040	1735	11	16.2
21146	21271	24 X 24 X 2	23 3/8 X 23 3/8 X 1 3/4	1200	2000	12.4	18.6
21147	21272	25 X 25 X 2	24 1/2 X 24 1/2 X 1 3/4	1300	2170	13.6	20.1

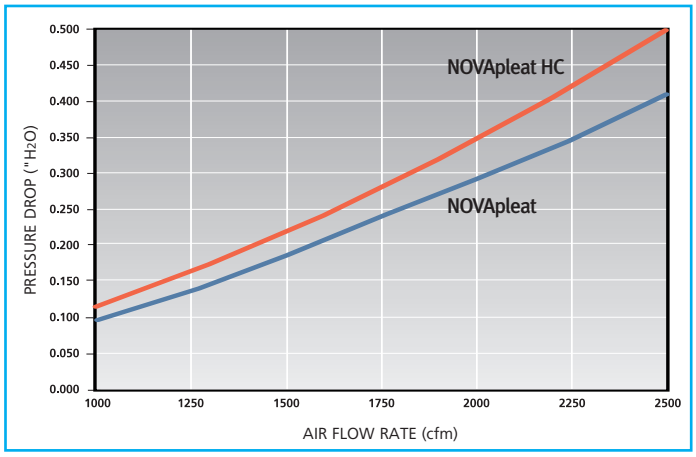
The NOVApleat and NOVApleat HC are engineered to be extremely durable and can withstand considerable abuse resulting from shipping damage and mishandling.

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



24 x 24 x 2	INITIAL RESISTANCE		
PRODUCT	300 FPM	500 FPM	MERV
NOVApleat	0.14	0.28	6
NOVApleat HC	0.16	0.34	7

PRESSURE DROP VS. AIR FLOW RATE



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

APPLICATION PARAMETERS

Recommended Temperature:
150° F continuous operating temperature
Recommended Final Resistance:
1.0" w.g. NOVApleat and NOVApleat HC

© DFG 01/08

DAFCO FILTRATION GROUP®

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

National Air Filtration Association