



DAFCO FILTRATION GROUP®

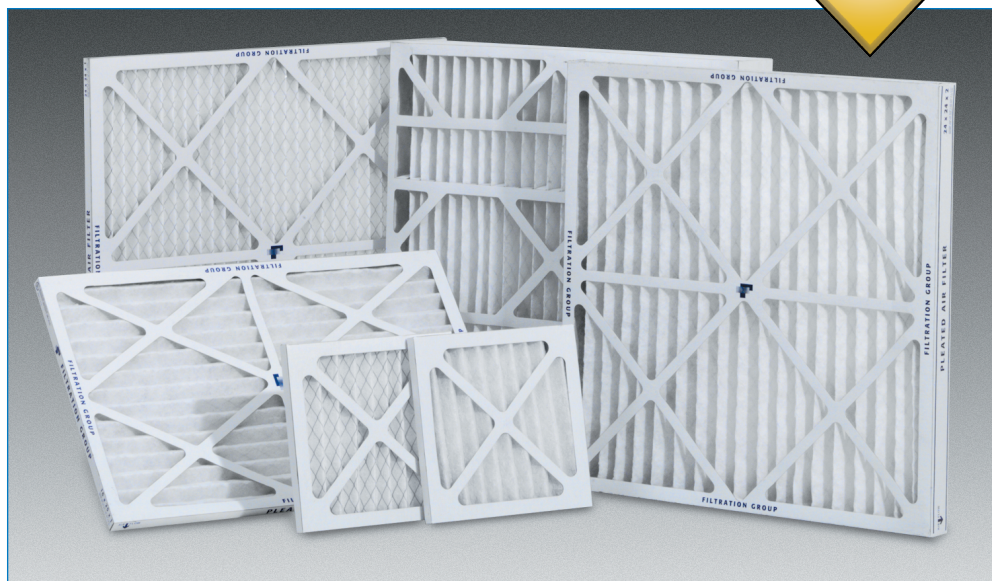


- High Capacity achieves MERV 10
- Standard Capacity achieves MERV 8
- Extremely low resistance to air-flow minimizes energy costs
- 100% synthetic media is moisture resistant and will not promote biological growth
- Advanced media does not rely on electrostatic charge for efficiency



SERIES 400 PLEATED AIR FILTER

**MERV
10**



DESCRIPTION

The Aerostar® Series 400 pleated air filter utilizes a state-of-the-art 100% synthetic media to achieve exceptionally high levels of efficiency with the lowest resistance to air flow available. The media is laminated to an expanded metal grid on the air exiting side to provide exceptional strength during installation. The media support grid prevents fluttering and maintains pleat uniformity for optimum performance. The filter pack is enclosed in a heavy-duty, moisture resistant die-cut frame that will not warp, crack, or distort under normal operating conditions.

The 1" and 2" depth filters handle air velocities up to 500 fpm; 4" depth filters up to 625 fpm. Aerostar Series 400 pleats are recommended for most commercial and industrial applications to protect people and equipment, or as pre-filters to even higher efficiency air filters.

BENEFITS

The improved Aerostar Series 400 pleated filter has independent test lab data confirming exceptionally high levels of airborne particle removal with the lowest resistance to air flow available.

- Series 400 HC model achieves MERV 10
- Series 400 SC model achieves MERV 8
- Series 400 HC model initial resistance of 0.17" w.g. @ 500 fpm
- Series 400 SC model initial resistance of 0.19" w.g. @ 500 fpm
- Higher levels of filtration make the Series 400 extremely effective removing many airborne irritants such as pollens, molds, dander, and dust.
- Low resistance improves air flow and can greatly reduce energy costs
- Series 400 pleat filters can be a valuable tool in achieving points for USGBC - LEED certification projects.

APPLICATIONS

Aerostar Series 400 pleated air filters are designed for use in commercial buildings, hotels, industrial filtration, airports, school and universities, or any application desiring higher levels of air filtration to protect occupants from airborne irritants and protect cooling coils, ductwork, and other components of the HVAC system from dust and dirt.

SERIES 400 PLEATED AIR FILTER



DIMENSIONS AND PERFORMANCE DATA

FILTER DEPTH	MEDIUM VELOCITY	INITIAL RESISTANCE (" w.g.)		HIGH VELOCITY	INITIAL RESISTANCE (" w.g.)		FINAL RESISTANCE (ALL FILTERS)
		MEDIUM	HIGH CAP		STD CAP	HIGH CAP	
1"	375	0.18	0.15	500	0.38	0.30	1.0
2"	375	0.13	0.11	500	0.19	0.17	1.0
4"	500	0.12	0.11	625	0.18	0.17	1.0

APPLICATION PARAMETERS

Recommended Temperature: 200° F

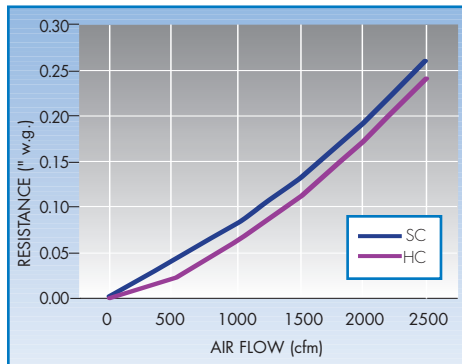
Recommended Final Resistance: 1.0" w.g.

Frame: 100% Recycled Paperboard

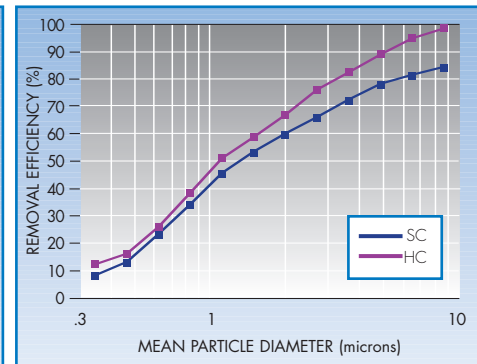
PART NUMBER	STD CAP	HIGH CAP	NOMINAL SIZE*	CFM CAPACITIES	
				MEDIUM	HIGH
10403	10476	8 x 16 x 1	325	450	
10404	10477	10 x 10 x 1	250	350	
10364	10436	10 x 20 x 1	525	700	
10405	10478	10 x 24 x 1	625	825	
10406	10479	10 x 25 x 1	650	850	
10365	10437	12 x 12 x 1	375	500	
10407	10480	12 x 16 x 1	500	650	
10366	10438	12 x 20 x 1	625	825	
10367	10439	12 x 24 x 1	750	1000	
10368	10440	12 x 25 x 1	775	1025	
10369	10441	14 x 20 x 1	725	975	
10408	10481	14 x 24 x 1	875	1150	
10370	10442	14 x 25 x 1	900	1200	
10371	10443	15 x 20 x 1	775	1050	
10409	10482	15 x 25 x 1	975	1300	
10410	10483	16 x 16 x 1	650	875	
10372	10444	16 x 20 x 1	825	1100	
10411	10484	16 x 24 x 1	1000	1325	
10373	10445	16 x 25 x 1	1050	1400	
10412	10485	18 x 18 x 1	850	1125	
10413	10486	18 x 20 x 1	925	1250	
10414	10487	18 x 22 x 1	1025	1375	
10415	10488	18 x 24 x 1	1125	1500	
10374	10446	18 x 25 x 1	1175	1550	
10375	10447	20 x 20 x 1	1050	1400	
10416	10489	20 x 24 x 1	1250	1650	
10376	10448	20 x 25 x 1	1300	1750	
10417	10490	22 x 22 x 1	1250	1675	
10377	10449	24 x 24 x 1	1500	2000	
10378	10450	25 x 25 x 1	1625	2150	
10418	10491	10 x 10 x 2	250	350	
10379	10451	10 x 20 x 2	525	700	
10419	10492	12 x 20 x 2	625	825	
10380	10452	12 x 24 x 2	750	1000	
10381	10453	14 x 20 x 2	725	975	
10382	10454	14 x 25 x 2	900	1200	
10383	10455	15 x 20 x 2	775	1025	
10420	10493	16 x 16 x 2	650	875	
10384	10456	16 x 20 x 2	825	1100	
10385	10457	16 x 24 x 2	1000	1325	
10386	10458	16 x 25 x 2	1050	1400	
10421	10494	18 x 22 x 2	1025	1375	
10387	10459	18 x 24 x 2	1125	1500	
10422	10495	18 x 25 x 2	1175	1550	
10388	10460	20 x 20 x 2	1050	1400	
10389	10461	20 x 24 x 2	1250	1650	
10390	10462	20 x 25 x 2	1300	1750	
10391	10463	24 x 24 x 2	1500	2000	
10392	10464	25 x 25 x 2	1625	2150	
10393	10465	12 x 24 x 4	1000	1250	
10394	10466	16 x 20 x 4	1100	1400	
10395	10467	16 x 25 x 4	1400	1750	
10396	10468	18 x 24 x 4	1500	1875	
10397	10469	20 x 20 x 4	1400	1750	
10398	10470	20 x 24 x 4	1657	2100	
10399	10471	20 x 25 x 4	1750	2200	
10400	10472	24 x 24 x 4	2000	2500	
10401	10473	25 x 29 x 4	2525	3150	
10402	10474	28 x 30 x 4	2900	3650	

*Contact Customer Service for special and actual sizes.

INITIAL RESISTANCE



FRACTIONAL EFFICIENCY



SERIES 400 ENGINEERING SPECIFICATIONS

1.0 General

- 1.1 Filters shall be Aerostar® Series 400 extended surface pleated air filters as manufactured by Dafco Filtration Group.
- 1.2 Filters shall be available in standard and high capacity configurations and available in nominal depths of 1", 2", and 4".
- 1.3 Underwriters Laboratories classified to UL 900.

2.0 Filter Materials of Construction

- 2.1 Media shall be 100% synthetic, mechanical media that does not support microbial growth.
- 2.2 Frame shall be a heavy duty, high strength, moisture resistant paperboard with a cross member design that increases filter rigidity and prevents breaching. Frame shall be made with 100% recycled paperboard with an average of 35% post-consumer content. Frame shall be recyclable.
- 2.3 Filters shall have an expanded metal support grid bonded to the air-exiting side of the filter to maintain pleat uniformity and prevent fluttering. Metal support grid shall be recyclable and contain a significant amount of post-consumer and pre-consumer content.

3.0 Filter Performance

- 3.1 Filters shall be MERV 10 in a high capacity configuration and MERV 8 in a standard capacity configuration in all filter depths when fully tested in accordance with the ASHRAE 52.2-2007 Test Standard.

- 3.2 Initial resistance of filters shall not exceed the following:

Filter Depth	Flow Rate (fpm)	Initial Resistance Standard Capacity Filter	Initial Resistance High Capacity Filter
1"	375	0.18" w.g.	0.15" w.g.
2"	500	0.19" w.g.	0.17" w.g.
4"	500	0.12" w.g.	0.11" w.g.

- 3.3 Filters shall be rated to withstand a continuous operating temperature up to 200°F.

- 3.4 Filters shall have a recommended final resistance of 1.0" w.g.

Distributed by:



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WHEN CLEAN AIR MATTERS