FG™
Indoor Air Quality

PRODUCT OVERVIEW

- Standard Capacity (MERV 8) & High Capacity (MERV 10)
- Available in 1", 2" & 4"depths
- Ideal for use in
  - Prefilter for high efficiency filters
  - Office and Retail
  - Manufacturing and Distribution
  - Government and Education facilities
  - Doctor offices, assisted living facilities and Hospitals
  - Hotels and Airports
  - Single and Multi-Family Housing

AEROSTAR® SERIES 400 PLEAT

WHY THE SERIES 400?

- 100% synthetic pleated media achieves exceptionally high levels of 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
- Durable construction optimizes performance
  - Media laminated to metal grid
  - Minimized media fluttering
  - Design helps maintain pleat uniformity
  - Frame constructed of high wet strength beverage board
  - Will not warp, crack or distort under normal operating conditions

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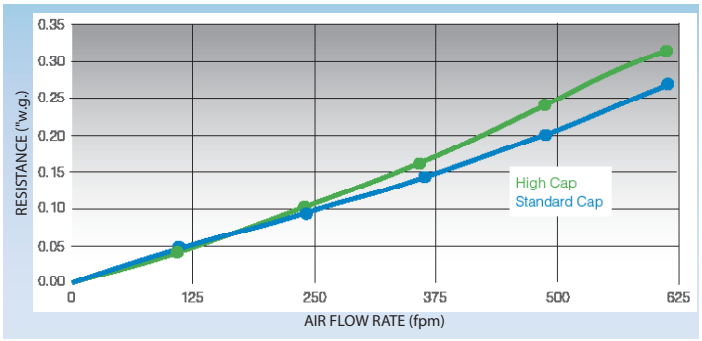
AEROSTAR® SERIES 400 PLEAT

PERFORMANCE DATA (24 x 24)

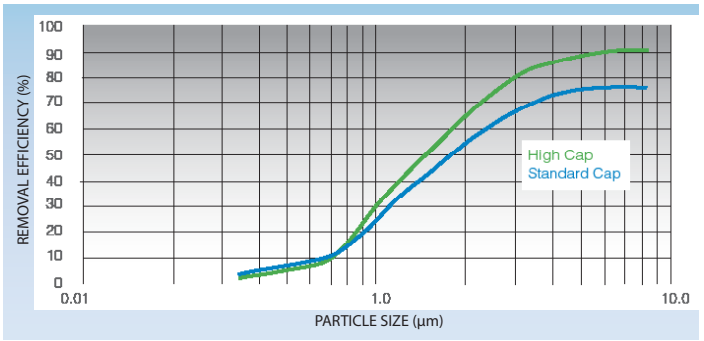
CAPACITY	FILTER DEPTH	INITIAL RESISTANCE ("w.g.) 300 fpm	375 fpm	500 fpm	625 fpm	FINAL RESISTANCE ("w.g.)
Standard MERV 8	1"	0.14	0.21	–	–	1.0
	2"	–	0.14	0.20	0.27	1.0
	4"	–	0.09	0.14	0.21	1.0

CAPACITY	FILTER DEPTH	INITIAL RESISTANCE ("w.g.) 300 fpm	375 fpm	500 fpm	625 fpm	FINAL RESISTANCE ("w.g.)
High MERV 10	1"	0.20	0.28	–	–	1.0
	2"	–	0.16	0.24	0.32	1.0
	4"	–	0.08	0.17	0.26	1.0

INITIAL RESISTANCE (24 x 24 x 2)



MINIMUM REMOVAL EFFICIENCY (24 x 24 x 2)



PRODUCT DATA

PART NUMBER STD CAP	PART NUMBER HIGH CAP	NOMINAL SIZE* (H" x W" x D")	ACTUAL SIZE (H" x W" x D")	CFM CAPABILTIES 300 fpm	375 fpm
10403	10476	8 x 16 x 1	7 ¾ x 15 ¾ x ¾	250	325
10404	10477	10 x 10 x 1	9 ½ x 9 ½ x ¾	200	250
10364	10436	10 x 20 x 1	9 ½ x 19 ½ x ¾	400	525
10405	10478	10 x 24 x 1	9 ⅜ x 23 ⅜ x ¾	500	625
10406	10479	10 x 25 x 1	9 ¾ x 24 ¾ x ¾	525	650
10365	10437	12 x 12 x 1	11 ¾ x 11 ¾ x ¾	300	375
10407	10480	12 x 16 x 1	11 ½ x 15 ½ x ¾	400	500
10366	10438	12 x 20 x 1	11 ½ x 19 ½ x ¾	500	625
10367	10439	12 x 24 x 1	11 ½ x 23 ½ x ¾	600	750
10368	10440	12 x 25 x 1	11 ½ x 24 ½ x ¾	625	775
10369	10441	14 x 20 x 1	13 ½ x 19 ½ x ¾	575	725
10408	10481	14 x 24 x 1	13 ½ x 23 ½ x ¾	700	875
10370	10442	14 x 25 x 1	13 ½ x 24 ½ x ¾	725	900
10371	10443	15 x 20 x 1	14 ½ x 19 ½ x ¾	625	775
10409	10482	15 x 25 x 1	14 ½ x 24 ½ x ¾	800	975
10410	10483	16 x 16 x 1	15 ¾ x 15 ¾ x ¾	525	650
10372	10444	16 x 20 x 1	15 ½ x 19 ½ x ¾	650	825
10411	10484	16 x 24 x 1	15 ½ x 23 ½ x ¾	800	1000
10373	10445	16 x 25 x 1	15 ½ x 24 ½ x ¾	825	1050
10412	10485	18 x 18 x 1	17 ¾ x 17 ¾ x ¾	675	850
10413	10486	18 x 20 x 1	17 ½ x 19 ½ x ¾	750	925
10414	10487	18 x 22 x 1	17 ½ x 21 ½ x ¾	825	1025
10415	10488	18 x 24 x 1	17 ½ x 23 ½ x ¾	900	1125
10374	10446	18 x 25 x 1	17 ½ x 24 ½ x ¾	925	1175
10375	10447	20 x 20 x 1	19 ½ x 19 ½ x ¾	825	1050
10416	10489	20 x 24 x 1	19 ½ x 23 ½ x ¾	1000	1250
10376	10448	20 x 25 x 1	19 ½ x 24 ½ x ¾	1050	1300
10417	10490	22 x 22 x 1	21 ¾ x 21 ¾ x ¾	1000	1250
10377	10449	24 x 24 x 1	23 ½ x 23 ½ x ¾	1200	1500
10378	10450	25 x 25 x 1	24 ½ x 24 ½ x ¾	1300	1625

PART NUMBER STD CAP	PART NUMBER HIGH CAP	NOMINAL SIZE* (H" x W" x D")	ACTUAL SIZE (H" x W" x D")	CFM CAPABILTIES 375 fpm	500 fpm
10418	10491	10 x 10 x 2	9 ¾ x 9 ¾ x 1 ¾	250	350
10379	10451	10 x 20 x 2	9 ½ x 19 ½ x 1 ¾	525	700
10419	10492	12 x 20 x 2	11 ½ x 19 ½ x 1 ¾	625	825
10380	10452	12 x 24 x 2	11 ⅜ x 23 ⅜ x 1 ¾	750	1000
10381	10453	14 x 20 x 2	13 ½ x 19 ½ x 1 ¾	725	975
10382	10454	14 x 25 x 2	13 ½ x 24 ½ x 1 ¾	900	1200
10383	10455	15 x 20 x 2	14 ½ x 19 ½ x 1 ¾	775	1025
10420	10493	16 x 16 x 2	15 ½ x 15 ½ x 1 ¾	650	875
10384	10456	16 x 20 x 2	15 ½ x 19 ½ x 1 ¾	825	1100
10385	10457	16 x 24 x 2	15 ⅜ x 23 ⅜ x 1 ¾	1000	1325
10386	10458	16 x 25 x 2	15 ½ x 24 ½ x 1 ¾	1050	1400
10421	10494	18 x 22 x 2	17 ½ x 21 ½ x 1 ¾	1025	1375
10387	10459	18 x 24 x 2	17 ⅜ x 23 ⅜ x 1 ¾	1125	1500
10422	10495	18 x 25 x 2	17 ½ x 24 ½ x 1 ¾	1175	1550
10388	10460	20 x 20 x 2	19 ½ x 19 ½ x 1 ¾	1050	1400
10389	10461	20 x 24 x 2	19 ⅜ x 23 ⅜ x 1 ¾	1250	1650
10390	10462	20 x 25 x 2	19 ½ x 24 ½ x 1 ¾	1300	1750
10391	10463	24 x 24 x 2	23 ⅜ x 23 ⅜ x 1 ¾	1500	2000
10392	10464	25 x 25 x 2	24 ½ x 24 ½ x 1 ¾	1625	2150
				500 fpm	625 fpm
10393	10465	12 x 24 x 4	11 ⅜ x 23 ⅜ x 3 ¾	1000	1250
10394	10466	16 x 20 x 4	15 ½ x 19 ½ x 3 ¾	1100	1400
10395	10467	16 x 25 x 4	15 ½ x 24 ½ x 3 ¾	1400	1750
10396	10468	18 x 24 x 4	17 ⅜ x 23 ⅜ x 3 ¾	1500	1875
10397	10469	20 x 20 x 4	19 ½ x 19 ½ x 3 ¾	1400	1750
10398	10470	20 x 24 x 4	19 ⅜ x 23 ⅜ x 3 ¾	1650	2100
10399	10471	20 x 25 x 4	19 ½ x 24 ½ x 3 ¾	1750	2200
10400	10472	24 x 24 x 4	23 ⅜ x 23 ⅜ x 3 ¾	2000	2500
10401	10473	25 x 29 x 4	24 ⅜ x 28 ⅜ x 3 ¾	2525	3150
10404	10474	28 x 30 x 4	27 ⅜ x 29 ⅜ x 3 ¾	2900	3650

* Contact Customer Care for additional sizes and information.

ENGINEERING SPECIFICATIONS

1.0 General

1.1 Filters shall be Aerostar® Series 400 extended surface pleated air filters as manufactured by 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 and ULC-S111-07.
1.4 Filters are manufactured by an ISO 9001 registered company.

2.0 Filter Materials of Construction

2.1 Media shall be 100% synthetic, mechanical media that does not support microbial growth.
2.2 Filters shall have a high wet strength beverage board with a cross member design that increases filter rigidity and prevents breaching. 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 10/10A in a high capacity configuration and MERV 8/8A in a standard 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 up to 200˚F.
3.4 Filters shall have a recommended final resistance of 1.0" w.g.

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