



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



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

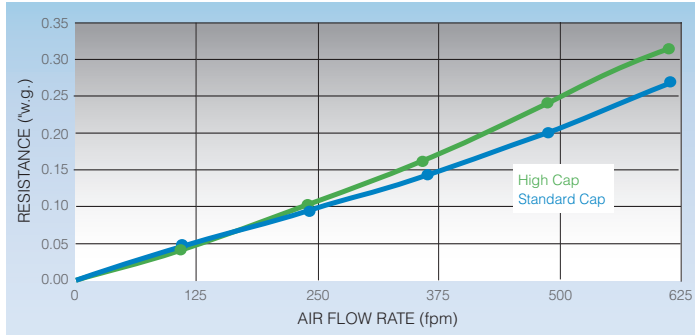


SERIES 400 PLEAT

PERFORMANCE DATA (24 x 24)

CAPACITY	FILTER DEPTH	INITIAL RESISTANCE (*w.g.)				FINAL RESISTANCE (*w.g.)
		300 fpm	375 fpm	500 fpm	625 fpm	
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

INITIAL RESISTANCE (24 x 24 x 2)



PRODUCT DATA

PART NUMBER		NOMINAL SIZE* (H" x W" x D")	ACTUAL SIZE (H" x W" x D")	CFM CAPABILITIES	
STD CAP	HIGH CAP			300 fpm	375 fpm
10403	10476	8 x 16 x 1	7 3/4 x 15 3/4 x 3/4	250	325
10404	10477	10 x 10 x 1	9 1/2 x 9 1/2 x 3/4	200	250
10364	10436	10 x 20 x 1	9 1/2 x 19 1/2 x 3/4	400	525
10405	10478	10 x 24 x 1	9 3/8 x 23 3/8 x 3/4	500	625
10406	10479	10 x 25 x 1	9 3/4 x 24 3/4 x 3/4	525	650
10365	10437	12 x 12 x 1	11 3/4 x 11 3/4 x 3/4	300	375
10407	10480	12 x 16 x 1	11 1/2 x 15 1/2 x 3/4	400	500
10366	10438	12 x 20 x 1	11 1/2 x 19 1/2 x 3/4	500	625
10367	10439	12 x 24 x 1	11 1/2 x 23 1/2 x 3/4	600	750
10368	10440	12 x 25 x 1	11 1/2 x 24 1/2 x 3/4	625	775
10369	10441	14 x 20 x 1	13 1/2 x 19 1/2 x 3/4	575	725
10408	10481	14 x 24 x 1	13 1/2 x 23 1/2 x 3/4	700	875
10370	10442	14 x 25 x 1	13 1/2 x 24 1/2 x 3/4	725	900
10371	10443	15 x 20 x 1	14 1/2 x 19 1/2 x 3/4	625	775
10409	10482	15 x 25 x 1	14 1/2 x 24 1/2 x 3/4	800	975
10410	10483	16 x 16 x 1	15 3/4 x 15 3/4 x 3/4	525	650
10372	10444	16 x 20 x 1	15 1/2 x 19 1/2 x 3/4	650	825
10411	10484	16 x 24 x 1	15 1/2 x 23 1/2 x 3/4	800	1000
10373	10445	16 x 25 x 1	15 1/2 x 24 1/2 x 3/4	825	1050
10412	10485	18 x 18 x 1	17 3/4 x 17 3/4 x 3/4	675	850
10413	10486	18 x 20 x 1	17 1/2 x 19 1/2 x 3/4	750	925
10414	10487	18 x 22 x 1	17 1/2 x 21 1/2 x 3/4	825	1025
10415	10488	18 x 24 x 1	17 1/2 x 23 1/2 x 3/4	900	1125
10374	10446	18 x 25 x 1	17 1/2 x 24 1/2 x 3/4	925	1175
10375	10447	20 x 20 x 1	19 1/2 x 19 1/2 x 3/4	825	1050
10416	10489	20 x 24 x 1	19 1/2 x 23 1/2 x 3/4	1000	1250
10376	10448	20 x 25 x 1	19 1/2 x 24 1/2 x 3/4	1050	1300
10417	10490	22 x 22 x 1	21 3/4 x 21 3/4 x 3/4	1000	1250
10377	10449	24 x 24 x 1	23 1/2 x 23 1/2 x 3/4	1200	1500
10378	10450	25 x 25 x 1	24 1/2 x 24 1/2 x 3/4	1300	1625

* Contact Customer Care for additional sizes and information.

ENGINEERING SPECIFICATIONS

1.0 General

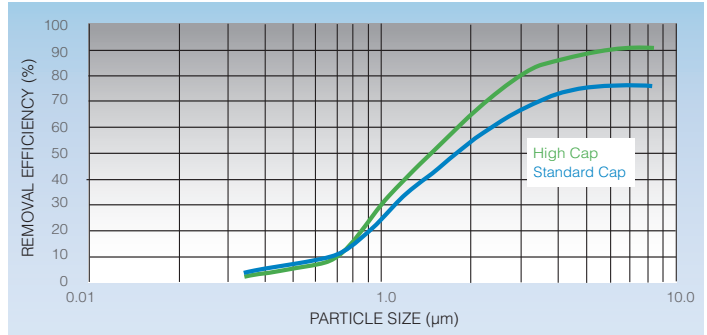
- Filters shall be Aerostar® Series 400 extended surface pleated air filters as manufactured by Filtration Group.
- Filters shall be available in standard and high capacity configurations and available in nominal depths of 1", 2", and 4".
- Underwriters Laboratories classified to UL 900 and ULC-S111-07.
- Filters are manufactured by an ISO 9001 registered company.

2.0 Filter Materials of Construction

- Media shall be 100% synthetic, mechanical media that does not support microbial growth.
- 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.

CAPACITY	FILTER DEPTH	INITIAL RESISTANCE (*w.g.)				FINAL RESISTANCE (*w.g.)
		300 fpm	375 fpm	500 fpm	625 fpm	
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

MINIMUM REMOVAL EFFICIENCY (24 x 24 x 2)



PART NUMBER		NOMINAL SIZE* (H" x W" x D")	ACTUAL SIZE (H" x W" x D")	CFM CAPABILITIES	
STD CAP	HIGH CAP			375 fpm	500 fpm
10418	10491	10 x 10 x 2	9 3/4 x 9 3/4 x 1 3/4	250	350
10379	10451	10 x 20 x 2	9 1/2 x 19 1/2 x 1 3/4	525	700
10419	10492	12 x 20 x 2	11 1/2 x 19 1/2 x 1 3/4	625	825
10380	10452	12 x 24 x 2	11 3/8 x 23 3/8 x 1 3/4	750	1000
10381	10453	14 x 20 x 2	13 1/2 x 19 1/2 x 1 3/4	725	975
10382	10454	14 x 25 x 2	13 1/2 x 24 1/2 x 1 3/4	900	1200
10383	10455	15 x 20 x 2	14 1/2 x 19 1/2 x 1 3/4	775	1025
10420	10493	16 x 16 x 2	15 1/2 x 15 1/2 x 1 3/4	650	875
10384	10456	16 x 20 x 2	15 1/2 x 19 1/2 x 1 3/4	825	1100
10385	10457	16 x 24 x 2	15 3/8 x 23 3/8 x 1 3/4	1000	1325
10386	10458	16 x 25 x 2	15 1/2 x 24 1/2 x 1 3/4	1050	1400
10421	10494	18 x 22 x 2	17 1/2 x 21 1/2 x 1 3/4	1025	1375
10387	10459	18 x 24 x 2	17 3/8 x 23 3/8 x 1 3/4	1125	1500
10422	10495	18 x 25 x 2	17 1/2 x 24 1/2 x 1 3/4	1175	1550
10388	10460	20 x 20 x 2	19 1/2 x 19 1/2 x 1 3/4	1050	1400
10389	10461	20 x 24 x 2	19 3/8 x 23 3/8 x 1 3/4	1250	1650
10390	10462	20 x 25 x 2	19 1/2 x 24 1/2 x 1 3/4	1300	1750
10391	10463	24 x 24 x 2	23 3/8 x 23 3/8 x 1 3/4	1500	2000
10392	10464	25 x 25 x 2	24 1/2 x 24 1/2 x 1 3/4	1625	2150
10393	10465	12 x 24 x 4	11 3/8 x 23 3/8 x 3 3/4	500 fpm 1000	625 fpm 1250
10394	10466	16 x 20 x 4	15 1/2 x 19 1/2 x 3 3/4	1100	1400
10395	10467	16 x 25 x 4	15 1/2 x 24 1/2 x 3 3/4	1400	1750
10396	10468	18 x 24 x 4	17 3/8 x 23 3/8 x 3 3/4	1500	1875
10397	10469	20 x 20 x 4	19 1/2 x 19 1/2 x 3 3/4	1400	1750
10398	10470	20 x 24 x 4	19 3/8 x 23 3/8 x 3 3/4	1650	2100
10399	10471	20 x 25 x 4	19 1/2 x 24 1/2 x 3 3/4	1750	2200
10400	10472	24 x 24 x 4	23 3/8 x 23 3/8 x 3 3/4	2000	2500
10401	10473	25 x 29 x 4	24 3/8 x 28 3/8 x 3 3/4	2525	3150
10404	10474	28 x 30 x 4	27 3/8 x 29 3/8 x 3 3/4	2900	3650

- 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

- 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.
- For initial resistance of filters, see Performance Data chart above.
- Filters shall be rated to withstand a continuous operating temperature up to 200°F.
- Filters shall have a recommended final resistance of 1.0" w.g.