

SERIES 400 PLEAT



SPECIFICATIONS

- Available in Standard Capacity (MERV 8) and High Capacity (MERV 10)
- Available in 1", 2" and 4" depths
100% synthetic media, wire-backing
- High dust-holding capacity (DHC)
- Frame constructed of high wet strength beverage board, will not warp, crack or distort under normal operating conditions

ADVANTAGES

- Extremely effective in removing airborne irritants, such as pollen, molds, dander and dust
- High levels of efficiency with lowest air flow resistance, reducing energy costs
- Advanced media does not rely on electrostatic charge for efficiency
- Media is moisture resistant and will not promote biological growth
- Durable construction optimizes performance
- Excellent pre-filter for higher efficiency filtration needs
- Protects cooling coils and ductwork of HVAC systems

PRODUCTS DATA

PART NUMBER		NOMINAL SIZE* (H" x W" x D")	ACTUAL SIZE (H" x W" x D")	CFM CAPABILITIES		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	STD CAP	HIGH CAP			375 fpm	500 fpm
10403	10476	8 x 16 x 1	7 ¾ x 15 ¾ x ¾	250	325	10418	10491	10 x 10 x 2	9 ¾ x 9 ¾ x 1 ¾	250	350
10404	10477	10 x 10 x 1	9 ½ x 9 ½ x ¾	200	250	10379	10451	10 x 20 x 2	9 ½ x 19 ½ x 1 ¾	525	700
10364	10436	10 x 20 x 1	9 ½ x 19 ½ x ¾	400	525	10419	10492	12 x 20 x 2	11 ½ x 19 ½ x 1 ¾	625	825
10405	10478	10 x 24 x 1	9 3/8 x 23 3/8 x ¾	500	625	10380	10452	12 x 24 x 2	11 3/8 x 23 3/8 x 1 ¾	750	1000
10406	10479	10 x 25 x 1	9 ¾ x 24 ¾ x ¾	525	650	10381	10453	14 x 20 x 2	13 ½ x 19 ½ x 1 ¾	725	975
10365	10437	12 x 12 x 1	11 ¾ x 11 ¾ x ¾	300	375	10382	10454	14 x 25 x 2	13 ½ x 24 ½ x 1 ¾	900	1200
10407	10480	12 x 16 x 1	11 ½ x 15 ½ x ¾	400	500	10383	10455	15 x 20 x 2	14 ½ x 19 ½ x 1 ¾	775	1025
10366	10438	12 x 20 x 1	11 ½ x 19 ½ x ¾	500	625	10420	10493	16 x 16 x 2	15 ½ x 15 ½ x 1 ¾	650	875
10367	10439	12 x 24 x 1	11 ½ x 23 ½ x ¾	600	750	10384	10456	16 x 20 x 2	15 ½ x 19 ½ x 1 ¾	825	1100
10368	10440	12 x 25 x 1	11 ½ x 24 ½ x ¾	625	775	10385	10457	16 x 24 x 2	15 3/8 x 23 3/8 x 1 ¾	1000	1325
10369	10441	14 x 20 x 1	13 ½ x 19 ½ x ¾	575	725	10386	10458	16 x 25 x 2	15 ½ x 24 ½ x 1 ¾	1050	1400
10408	10481	14 x 24 x 1	13 ½ x 23 ½ x ¾	700	875	10421	10494	18 x 22 x 2	17 ½ x 21 ½ x 1 ¾	1025	1375
10370	10442	14 x 25 x 1	13 ½ x 24 ½ x ¾	725	900	10387	10459	18 x 24 x 2	17 3/8 x 23 3/8 x 1 ¾	1125	1500
10371	10443	15 x 20 x 1	14 ½ x 19 ½ x ¾	625	775	10422	10495	18 x 25 x 2	17 ½ x 24 ½ x 1 ¾	1175	1550
10409	10482	15 x 25 x 1	14 ½ x 24 ½ x ¾	800	975	10388	10460	20 x 20 x 2	19 ½ x 19 ½ x 1 ¾	1050	1400
10410	10483	16 x 16 x 1	15 ¾ x 15 ¾ x ¾	525	650	10389	10461	20 x 24 x 2	19 3/8 x 23 3/8 x 1 ¾	1250	1650
10372	10444	16 x 20 x 1	15 ½ x 19 ½ x ¾	650	825	10390	10462	20 x 25 x 2	19 ½ x 24 ½ x 1 ¾	1300	1750
10411	10484	16 x 24 x 1	15 ½ x 23 ½ x ¾	800	1000	10391	10463	24 x 24 x 2	23 3/8 x 23 3/8 x 1 ¾	1500	2000
10373	10445	16 x 25 x 1	15 ½ x 24 ½ x ¾	825	1050	10392	10464	25 x 25 x 2	24 ½ x 24 ½ x 1 ¾	1625	2150
10412	10485	18 x 18 x 1	17 ¾ x 17 ¾ x ¾	675	850					500 fpm	625 fpm
10413	10486	18 x 20 x 1	17 ½ x 19 ½ x ¾	750	925	10393	10465	12 x 24 x 4	11 3/8 x 23 3/8 x 3 ¾	1000	1250
10414	10487	18 x 22 x 1	17 ½ x 21 ½ x ¾	825	1025	10394	10466	16 x 20 x 4	15 ½ x 19 ½ x 3 ¾	1100	1400
10415	10488	18 x 24 x 1	17 ½ x 23 ½ x ¾	900	1125	10395	10467	16 x 25 x 4	15 ½ x 24 ½ x 3 ¾	1400	1750
10374	10446	18 x 25 x 1	17 ½ x 24 ½ x ¾	925	1175	10396	10468	18 x 24 x 4	17 3/8 x 23 3/8 x 3 ¾	1500	1875
10375	10447	20 x 20 x 1	19 ½ x 19 ½ x ¾	825	1050	10397	10469	20 x 20 x 4	19 ½ x 19 ½ x 3 ¾	1400	1750
10416	10489	20 x 24 x 1	19 ½ x 23 ½ x ¾	1000	1250	10398	10470	20 x 24 x 4	19 3/8 x 23 3/8 x 3 ¾	1650	2100
10376	10448	20 x 25 x 1	19 ½ x 24 ½ x ¾	1050	1300	10399	10471	20 x 25 x 4	19 ½ x 24 ½ x 3 ¾	1750	2200
10417	10490	22 x 22 x 1	21 ¾ x 21 ¾ x ¾	1000	1250	10400	10472	24 x 24 x 4	23 3/8 x 23 3/8 x 3 ¾	2000	2500
10377	10449	24 x 24 x 1	23 ½ x 23 ½ x ¾	1200	1500	10401	10473	25 x 29 x 4	24 3/8 x 28 3/8 x 3 ¾	2525	3150
10378	10450	25 x 25 x 1	24 ½ x 24 ½ x ¾	1300	1625	10404	10474	28 x 30 x 4	27 3/8 x 29 3/8 x 3 ¾	2900	3650

* Contact Customer Care for additional sizes and information.

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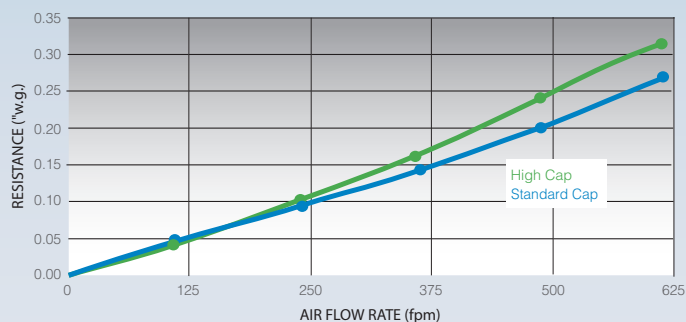
SERIES 400 PLEAT

PERFORMANCE DATA (24 x 24)

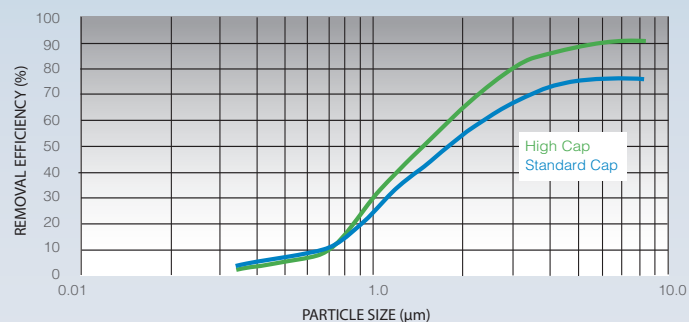
CAPACITY	FILTER	INITIAL RESISTANCE ("w.g.)				FINAL RESISTANCE ("w.g.)
		300 fpm	375 fpm	500 fpm	625 fpm	
Standard MERV 8	1"	0.14	0.21	–	–	1.0
	2"	–	0.14	0.20	0.27	1.0
	4"	–	0.09	0.14	0.21	–

CAPACITY	FILTER	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

INITIAL RESISTANCE (24 x 24 x 2)



MINIMUM REMOVAL EFFICIENCY (24 x 24 x 2)



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.

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.