

# SERIES 400 PLEATED FILTER



1", 2" & 4"  
MERV 8 & 10

STANDARD  
AND  
HIGH CAPACITY

*Ideal for use in*

- Commercial/Industrial
- Schools/Universities
- Hotels/Airports



## WHY THE SERIES 400?

- 100% synthetic pleated media achieves exceptionally high levels of efficiency
  - Does not rely on electrostatic charge
  - Lowest resistance to air flow available
  - Minimizes 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
  - Filter pack enclosed in heavy-duty, moisture resistant die-cut frame
  - Will not warp, crack or distort under normal operating conditions



## Filtration Group

HVAC



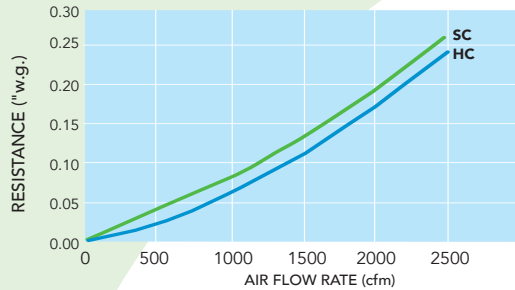
# SERIES 400 PLEATED FILTER



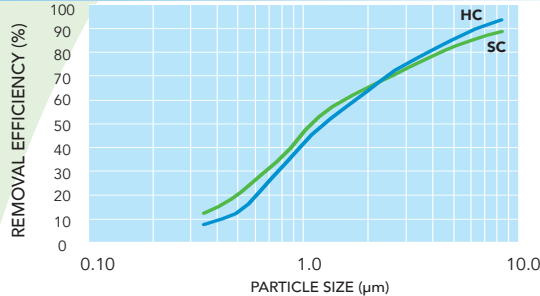
## SERIES 400 PERFORMANCE DATA (fpm)

FILTER DEPTH	MEDIUM VELOCITY	INITIAL RESISTANCE MEDIUM (*w.g.)		HIGH VELOCITY	INITIAL RESISTANCE HIGH (*w.g.)		FINAL RESISTANCE (All Filters)
		STD CAP	HIGH CAP		STD CAP	HIGH CAP	
1"	300	0.18	0.12	375	0.25	0.17	1.0
2"	375	0.13	0.11	500	0.19	0.17	1.0
4"	500	0.15	0.11	625	0.21	0.17	1.0

## INITIAL RESISTANCE (24 X 24 X 2)



## EFFICIENCY PER ASHRAE 52.2 (24 X 24 X 2)



## SERIES 400 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.
- 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.
- 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.
- 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 in a high capacity configuration and MERV 8 in a standard capacity configuration when tested in accordance with ASHRAE 52.2-2012 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.

## SERIES 400 DIMENSIONS

PART NUMBER	NOMINAL SIZE*	CFM CAPACITIES	
		MEDIUM (300)	HIGH (375)
10403	10476	8 x 16 x 1	250 325
10404	10477	10 x 10 x 1	200 250
10364	10436	10 x 20 x 1	400 525
10405	10478	10 x 24 x 1	500 625
10406	10479	10 x 25 x 1	525 650
10365	10437	12 x 12 x 1	300 375
10407	10480	12 x 16 x 1	400 500
10366	10438	12 x 20 x 1	500 625
10367	10439	12 x 24 x 1	600 750
10368	10440	12 x 25 x 1	625 775
10369	10441	14 x 20 x 1	575 725
10408	10481	14 x 24 x 1	700 875
10370	10442	14 x 25 x 1	725 900
10371	10443	15 x 20 x 1	625 775
10409	10482	15 x 25 x 1	800 975
10410	10483	16 x 16 x 1	525 650
10372	10444	16 x 20 x 1	650 825
10411	10484	16 x 24 x 1	800 1000
10373	10445	16 x 25 x 1	825 1050
10412	10485	18 x 18 x 1	675 850
10413	10486	18 x 20 x 1	750 925
10414	10487	18 x 22 x 1	825 1025
10415	10488	18 x 24 x 1	900 1125
10374	10446	18 x 25 x 1	925 1175
10375	10447	20 x 20 x 1	825 1050
10416	10489	20 x 24 x 1	1000 1250
10376	10448	20 x 25 x 1	1050 1300
10417	10490	22 x 22 x 1	1000 1250
10377	10449	24 x 24 x 1	1200 1500
10378	10450	25 x 25 x 1	1300 1625
			<b>MEDIUM (375) HIGH (500)</b>
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
			<b>MEDIUM (500) HIGH (625)</b>
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	1650 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.

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