

# KA Series PLEATED AIR FILTERS

SC—Standard Capacity Merv 10 efficiency  
HC—High-Capacity Merv 10 efficiency

## KA Series SC & HC Specifications

### Mechanical Media

The quality of the media is the key to any air filter. Our media is the result of years of experience and innovative product development. The mechanical media used in the manufacturing of KA series pleats is 100% synthetic fibers. These fibers do not absorb moisture and will not be an agent to support mold growth. Media achieves Merv 10 rating per ASHRAE 52.2 test standard and has low initial resistance and excellent dust holding. This filter will help in energy savings and longer service life for the consumer.

### Pleat Insert

A galvanized expanded metal reinforcement is laminated to the air-exiting side of the media by a thermosetting adhesive, both to support the media and to maintain uniformity of the pleats. The galvanized expanded metal has maximum rust resistance. The laminated media is pleated to maximize the filtration surface area.

### Filter Construction

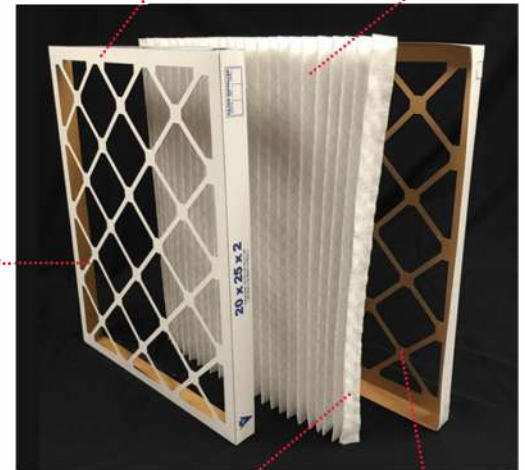
The pleated filter insert is enclosed in a heavy-duty, moisture resistant die-cut beverage board frame. The two-piece double-wall-edged heavy-duty beverage board frame will stand up to rough handling, extreme service conditions and will help to provide a long service life for the filter. The pleated filter insert is bonded to the interior of the beverage board outer frame with a water-based polymer emulsion adhesive that covers 100% of the interior of the beverage board die-cut to ensure filter integrity.

### Filter Quality

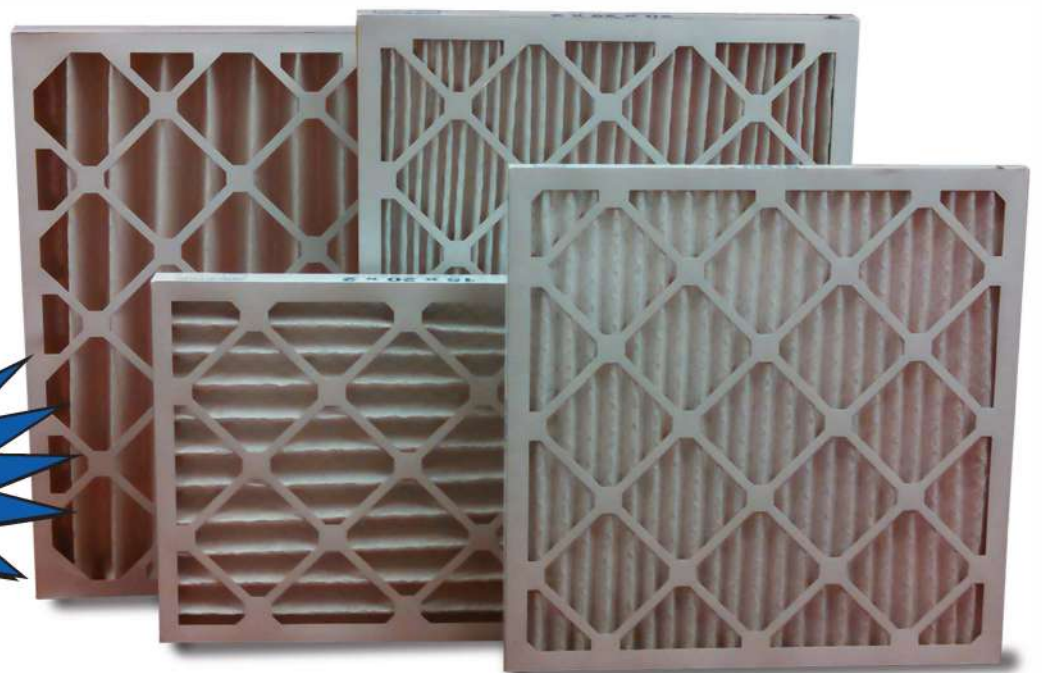
KA Series pleats are laboratory tested for quality assurance and classified per Underwriters Laboratories per Standard 900 for flammability. Quality management steps ensure consistent pleat count, pleat height, pleat shape and pleat spacing.

Heavy-duty two-piece beverage board frame with double edges  
Expanded metal pleat backing

Diagonal grid supports for maximum strength



100% synthetic media  
100% adhesive coverage in interior die-cut

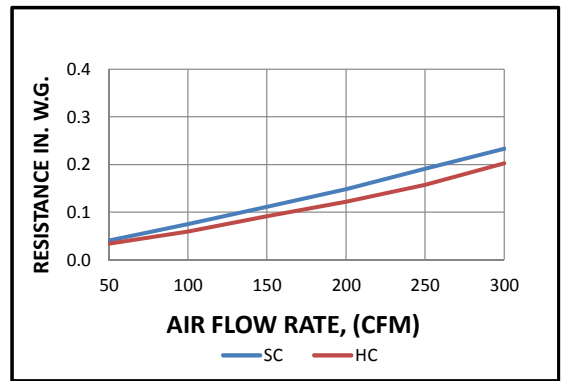


50+ Standard Sizes  
Any special size available  
Large Inventory  
Short Lead Time

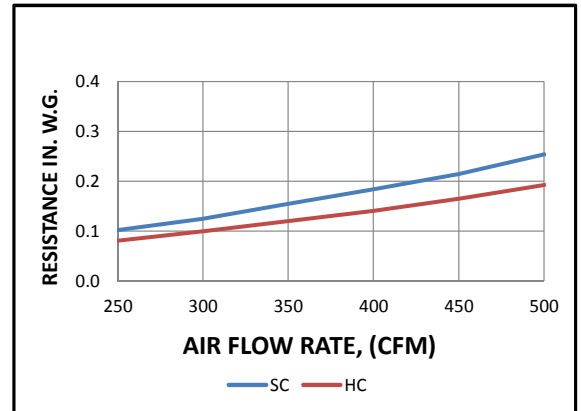
KA Series Pleats Technical Data

Nominal Size W x H x D	Actual Size W x H x D	Air Flow Rate	Initial Resistance		Media Area Square Feet	
			SC	HC	SC	HC
10x20x1	9-1/2x19-1/2x3/4	300	0.23	0.20	2.64	3.12
10x24x1	9-1/2x23-1/2x3/4	300	0.23	0.20	3.18	3.75
10x30x1	9-1/2x29-1/2x3/4	300	0.23	0.20	4.13	4.74
12x12x1	11-3/8x11-3/8x3/4	300	0.23	0.20	2.04	2.19
12x20x1	11-1/2x19-1/2x3/4	300	0.23	0.20	3.36	3.60
12x24x1	11-1/2x23-1/2x3/4	300	0.23	0.20	4.04	4.33
12x25x1	11-3/4x24-3/4x3/4	300	0.23	0.20	4.21	4.51
12x30x1	11-7/8x29-7/8x3/4	300	0.23	0.20	4.96	5.69
14x20x1	13-1/2x19-1/2x3/4	300	0.23	0.20	3.84	4.32
14x24x1	13-1/2x23-1/2x3/4	300	0.23	0.20	4.62	5.20
14x25x1	13-1/2x24-1/2x3/4	300	0.23	0.20	4.81	5.41
14x30x1	13-3/4x29-3/4x3/4	300	0.23	0.20	5.79	6.64
15x20x1	14-1/2x19-1/2x3/4	300	0.23	0.20	4.08	4.56
16x16x1	15-3/4x15-3/4x3/4	300	0.23	0.20	3.50	4.08
16x20x1	15-1/2x19-1/2x3/4	300	0.23	0.20	4.32	5.04
16x24x1	15-1/2x23-1/2x3/4	300	0.23	0.20	5.20	6.06
16x25x1	15-1/2x24-1/2x3/4	300	0.23	0.20	5.41	6.32
16x30x1	15-3/4x29-11/16x3/4	300	0.23	0.20	6.61	7.58
18x18x1	17-3/4x17-3/4x3/4	300	0.23	0.20	4.38	5.03
18x20x1	17-1/2x19-1/2x3/4	300	0.23	0.20	4.80	5.52
18x24x1	17-1/2x23-1/2x3/4	300	0.23	0.20	5.77	6.64
18x25x1	17-1/2x24-1/2x3/4	300	0.23	0.20	6.02	6.92
18x30x1	17-3/4x29-3/4x3/4	300	0.23	0.20	7.44	8.53
20x20x1	19-1/2x19-1/2x3/4	300	0.23	0.20	5.52	6.24
20x22x1	19-1/2x21-7/16x3/4	300	0.23	0.20	6.00	6.96
20x24x1	19-3/8x23-7/16x3/4	300	0.23	0.20	6.64	7.50
20x25x1	19-1/2x24-1/2x3/4	300	0.23	0.20	6.92	7.82
20x30x1	19-5/8x29-5/8x3/4	300	0.23	0.20	8.16	9.36
22x22x1	21-1/2x21-1/2x3/4	300	0.23	0.20	6.61	7.67
24x24x1	23-3/8x23-3/8x3/4	300	0.23	0.20	7.79	8.95
24x30x1	23-7/16x29-7/16x3/4	300	0.23	0.20	9.81	11.26
25x25x1	24-1/2x24-1/2x3/4	500	0.23	0.20	8.72	9.93
12x24x2	11-3/8x23-3/8x3/4	500	0.25	0.19	6.02	8.43
14x20x2	13-1/2x19-1/2x1-3/4	500	0.25	0.19	5.51	8.51
14x25x2	13-1/2x24-1/2x1-3/4	500	0.25	0.19	6.90	10.67
15x20x2	14-1/2x19-1/2x1-3/4	500	0.25	0.19	6.01	9.01
16x16x2	15-3/4x15-3/4x1-3/4	500	0.25	0.19	5.27	7.01
16x20x2	15-1/2x19-1/2x1-3/4	500	0.25	0.19	6.51	9.51
16x24x2	15-1/2x23-1/2x1-3/4	500	0.25	0.19	7.83	11.44
16x25x2	15-1/2x24-1/2x1-3/4	500	0.25	0.19	8.16	11.92
18x18x2	17-3/4x17-3/4x1-3/4	500	0.25	0.19	6.39	10.04
18x20x2	17-1/2x19-1/2x1-3/4	500	0.25	0.19	7.01	11.01
18x24x2	17-3/8x23-3/8x1-3/4	500	0.25	0.19	8.43	13.24
18x25x2	17-1/2x24-1/2x1-3/4	500	0.25	0.19	8.78	13.8
20x20x2	19-1/2x19-1/2x1-3/4	500	0.25	0.19	8.01	12.02
20x24x2	19-3/8x23-3/8x1-3/4	500	0.25	0.19	9.63	14.45
20x25x2	19-1/2x24-1/2x1-3/4	500	0.25	0.19	10.04	15.06
20x30x2	19-3/4x29-3/4x1-3/4	500	0.25	0.19	12.52	18.52
24x24x2	23-1/2x23-1/2x1-3/4	500	0.25	0.19	11.44	17.49
25x25x2	24-1/2x24-1/2x1-3/4	500	0.25	0.19	12.55	19.45
12x24x4	11-1/2x23-3/8x3-5/8	500	0.19	0.23	9.98	13.72
16x20x4	15-1/2x19-1/2x3-5/8	500	0.19	0.23	11.41	14.52
16x25x4	15-1/2x24-1/2x3-5/8	500	0.19	0.23	14.29	18.19
18x24x4	17-1/2x23-1/2x3-5/8	500	0.19	0.23	14.96	19.95
20x20x4	19-1/2x19-1/2x3-5/8	500	0.19	0.23	13.78	18.66
20x24x4	19-3/8x23-3/8x3-5/8	500	0.19	0.23	16.21	22.44
20x25x4	19-1/2x24-1/2x3-5/8	500	0.19	0.23	16.89	23.39
24x24x4	23-3/8x23-3/8x3-5/8	500	0.19	0.23	19.95	27.43

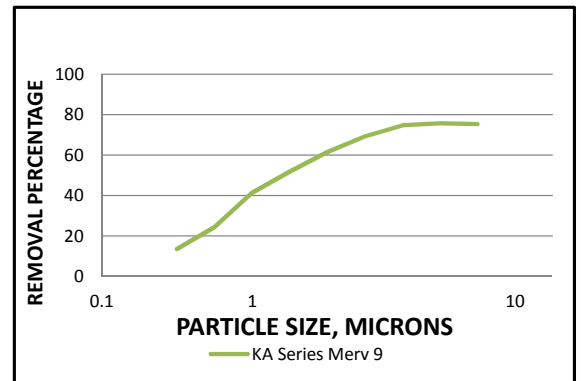
Standard Pressure Drop  
Test Filter Size 24"x24"x1"



Standard Pressure Drop  
Test Filter Size 24"x24"x2"



Efficiency by Particle Size



Pleat Counts	1"	2"	4"
High Capacity	16	15	11
Standard	14	10	8.2

KA Series SC and HC filters

Achieve Merv 10 rating per ASHRAE 52.2 Test Standard  
 May be installed with the pleats either vertical (preferred) or horizontal  
 Test data based on 295 FPM for 24x24x1 and 492 FPM for 24x24x2  
 Maximum operating temperature is 225 F (107 C)  
 All special sizes will be undercut by 1/2" unless specified

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