KOCH FILTER®
PURE PERFORMANCE

MicroMAX EDGE™
High Efficiency Synthetic Minipleat Filter

The **MicroMAX EDGE**™ is an all synthetic, durable minipleat panel filter that offers an incredible amount of media area compared to other filters of the same size. The increased media area and high dust holding capacity translate into fewer filter changes. Additionally, the **MicroMAX EDGE**™ design allows for lower energy costs as pressure drops remain low for longer periods. The high mechanical efficiency translates into a better level of indoor air quality.

All-Plastic Compact Design

The MicroMAX EDGE™ is manufactured in a 4" deep, durable plastic frame designed to replace almost any 12" competitive high efficiency filter. The lightweight all-plastic frame installs easily into side-access housings or front-load holding frames and is an ideal choice to replace bag filters and other heavier box-style rigid filters. The lightweight, compact design also helps lower shipping costs and the need for excess inventory space. It is also a preferred choice in applications where incineration is the desired means of disposal.
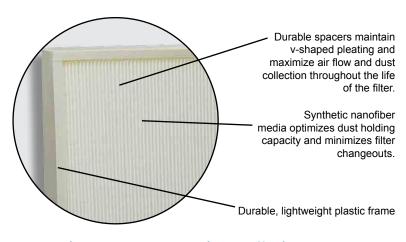
Nano Fiber Media

The **MicroMAX EDGE**™ features synthetic microfiber filter media with a 3 dimensional, progressive design for optimum dust holding capacities and product strength. The **MicroMAX EDGE**™ contains nanofibers integrated into the fiber media, providing the ability to capture the smallest particles. These synthetic fibers are produced in a solvent free, melt-based and environmentally friendly process and do not contain any chemical binder. These fibers also offer the added benefit of being non-shedding.

Features

- **MERV 11 - 15 performance rating**
- **Low resistance to airflow**
- **Compact design**
- **Superior pleat stability**
- **Durable plastic frame**
- **Incinerable**
- **Helps meet LEED requirements**

Reduced Shipping Costs

Compared with most competitive filters, which are packaged only one-per-carton, MicroMAX EDGE filters are packaged 3 to a carton.

MicroMAX EDGE Construction

Durable spacers maintain v-shaped pleating and maximize air flow and dust collection throughout the life of the filter.

Synthetic nanofiber media optimizes dust holding capacity and minimizes filter changeouts.

Durable, lightweight plastic frame

MicroMAX EDGE™ Product Information

Size (inches) Nominal W x H x D	Size (inches) Actual W x H x D	Capacity (CFM)	Resistance (inches W.G.)		Media Area (Sq. Ft.)
			MERV 15	MERV 11	
24 x 24 x 4	23-3/8 x 23-3/8 x 3-3/4	2000	0.38	0.21	110
20 x 25 x 4	19-1/2 x 24-1/2 x 3-3/4	1750	0.38	0.21	95
20 x 24 x 4	19-1/2 x 23-1/2 x 3-3/4	1650	0.38	0.21	91
20 x 20 x 4	19-1/2 x 19-1/2 x 3-3/4	1400	0.38	0.21	76
16 x 25 x 4	15-1/2 x 24-1/2 x 3-3/4	1400	0.38	0.21	76
16 x 20 x 4	15-1/2 x 19-1/2 x 3-3/4	1100	0.38	0.21	61
12 x 24 x 4	11-3/8 x 23-3/8 x 3-3/4	1000	0.38	0.21	55

Size (inches) Nominal W x H x D	Size (inches) Actual W x H x D	Capacity (CFM)	Resistance (inches W.G.)		Media Area (Sq. Ft.)
			MERV 14	MERV 12	
25 x 25 x 2	24-1/2 x 24-1/2 x 1-7/8	2170	0.41	0.26	46
24 x 24 x 2	23-1/2 x 23-1/2 x 1-7/8	2000	0.41	0.26	43
20 x 30 x 2	19-1/2 x 29-1/2 x 1-7/8	2085	0.41	0.26	44
20 x 25 x 2	19-1/2 x 24-1/2 x 1-7/8	1750	0.41	0.26	37
20 x 24 x 2	19-1/2 x 23-1/2 x 1-7/8	1650	0.41	0.26	35
20 x 20 x 2	19-1/2 x 19-1/2 x 1-7/8	1400	0.41	0.26	29
18 x 25 x 2	17-1/2 x 24-1/2 x 1-7/8	1570	0.41	0.26	33
18 x 24 x 2	17-1/2 x 23-1/2 x 1-7/8	1500	0.41	0.26	32
18 x 20 x 2	17-1/2 x 19-1/2 x 1-7/8	1250	0.41	0.26	26
16 x 25 x 2	15-1/2 x 24-1/2 x 1-7/8	1400	0.41	0.26	29
16 x 24 x 2	15-1/2 x 23-1/2 x 1-7/8	1340	0.41	0.26	28
16 x 20 x 2	15-1/2 x 19-1/2 x 1-7/8	1120	0.41	0.26	23
16 x 16 x 2	15-1/2 x 15-1/2 x 1-7/8	890	0.41	0.26	18
15 x 20 x 2	14-1/2 x 19-1/2 x 1-7/8	1050	0.41	0.26	22
14 x 25 x 2	13-1/2 x 24-1/2 x 1-7/8	1220	0.41	0.26	25
14 x 20 x 2	13-1/2 x 19-1/2 x 1-7/8	980	0.41	0.26	20
12 x 24 x 2	11-1/2 x 23-1/2 x 1-7/8	1000	0.41	0.26	21
12 x 20 x 2	11-1/2 x 19-1/2 x 1-7/8	840	0.41	0.26	17
10 x 20 x 2	9-1/2 x 19-1/2 x 1-7/8	700	0.41	0.26	14
10 x 10 x 2	9-1/2 x 9-1/2 x 1-7/8	350	0.41	0.26	7

Standard Construction:
1. 100% Gradient density synthetic media
2. Pleat spacing provided by durable thermally bonded material
3. Moisture proof construction
4. Durable hard plastic frame
5. Filter components are anti-microbial
6. Max operating temperature: 180ºF and 82ºC
7. Rated velocity 500 FPM
8. Single header version increases resistance by .05

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*Denotes manufacturing site.