



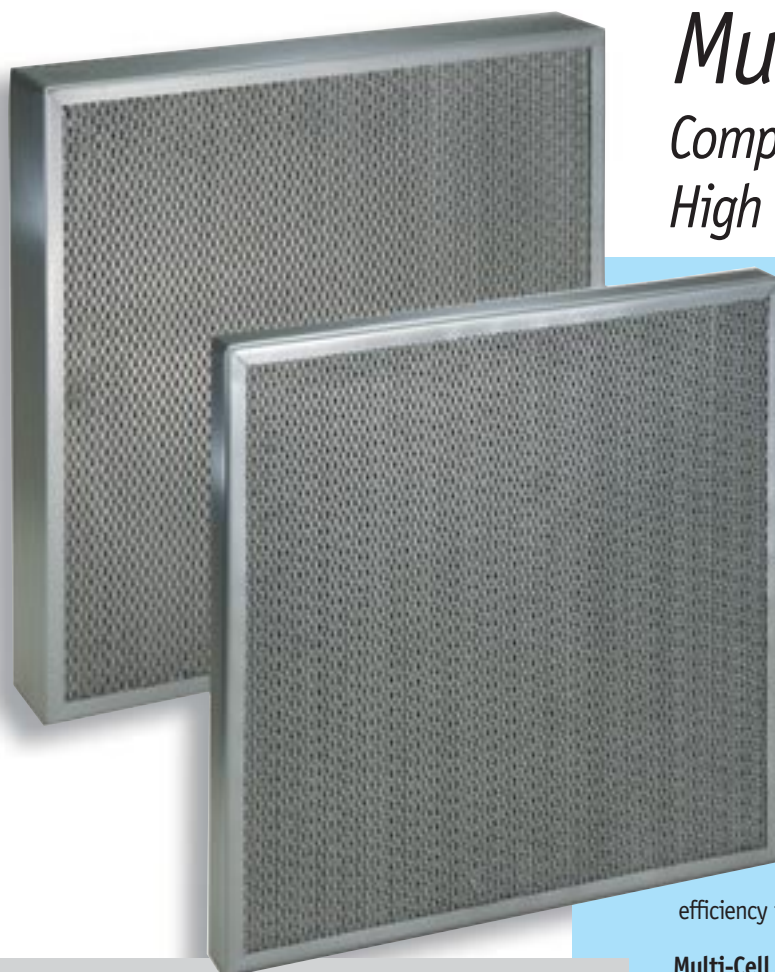
Koch Filter Corporation
Filtration Products Crafted with Pride

Bulletin No. K-304

Multi-Cell CS™

Compact Size

High Efficiency Extended Surface Filters



Multi-Cell CS Filters are rigid, extended surface panel filters designed to provide high efficiency filtration in a compact, space-saving 2" or 4" deep frame.

Multi-Cell CS Filters are constructed with a micro-fiberglass air filter media engineered specifically for high efficiency applications. The media is pleated around precision crafted, corrugated aluminum separators to insure proper airflow. The pleated media pack is then sealed in a rugged but lightweight aluminized steel frame.

Multi-Cell CS Filters can be used in any air filter application, and are especially useful for upgrading the efficiency of filtration systems which presently have limited room for expansion or modification. The compact 2" or 4" depth enables the user to upgrade from standard pleated filters or other 2" and 4" low efficiency filters with no modification of the frames or housings.

Multi-Cell CS Filters are UL Class 1 and can operate in high temperature applications up to 750 °F. This capability makes the Series CS an ideal choice for applications such as automotive paint booths and other industrial coatings operations where high temperature conditions are common.

Features

- **High Efficiency Microfiberglass Filter Media**
- **Precision Crafted Corrugated Aluminum Separators**
- **Compact Design 2" or 4" Depth**
- **Durable Aluminized Frame**

Corporate Offices

P.O. Box 3186 • 625 West Hill Street (40208) • Louisville, KY 40201 • 502.634.4796 • Fax: 502.637.2280 • E mail: info@kochfilter.com • www.kochfilter.com

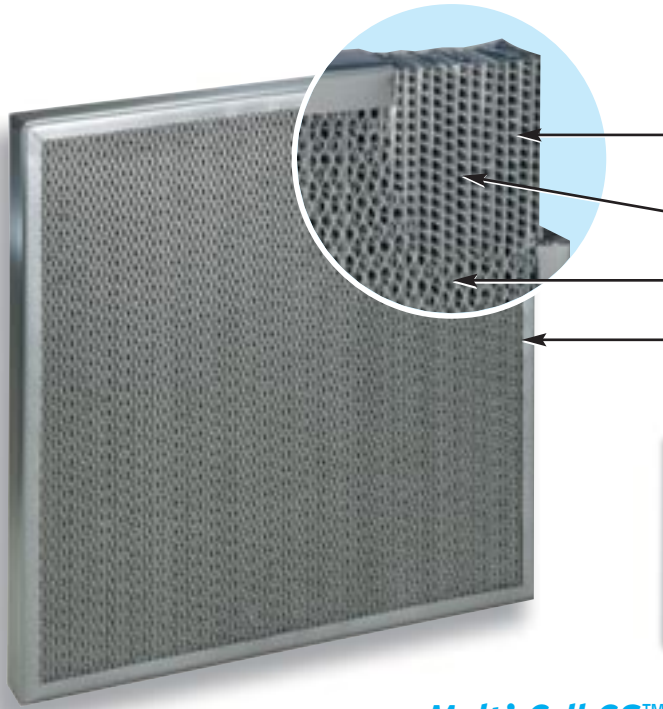
Local Sales Offices/ Distribution Centers

Louisville* • Atlanta • Cincinnati • Denver • Houston* • Indianapolis • Kansas City • Nashville • Ontario, Canada* • Rancho Cucamonga, CA*

* denotes manufacturing site

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Multi-Cell CS™ Construction

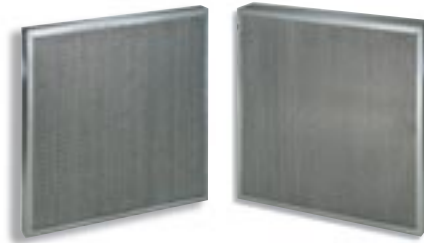


High efficiency microfiberglass filter media, available in three efficiencies (90-95% MERV 14, 80-85% MERV 13, and 60-65% MERV 11)

Precision crafted corrugated aluminum separators

Expanded metal faceguards on both sides

Durable, lightweight aluminized frame. (Optional high temperature gaskets available.)



Available in
2" and 4" frames.

Multi-Cell CS™ Performance Data

Nominal Size WxHxD	Air Flow Capacity (CFM)*	Initial Resistance @ Rated Air Flow (in w.g.)			Recommended Final Resistance (in w.g.)**	Media Area (sq. ft.)
		90-95% (MERV 14)	80-85% (MERV 13)	60-65% (MERV 11)		
24x24x2"	1000	0.46	0.43	0.28	1.50	42
20x25x2	875	0.46	0.43	0.28	1.50	37
20x24x2	825	0.46	0.43	0.28	1.50	35
20x20x2	700	0.46	0.43	0.28	1.50	29
18x24x2	750	0.46	0.43	0.28	1.50	32
16x25x2	700	0.46	0.43	0.28	1.50	29
16x20x2	550	0.46	0.43	0.28	1.50	24
12x24x2	500	0.46	0.43	0.28	1.50	21
24x24x4	2000	0.65	0.55	0.40	1.50	94
20x25x4	1750	0.65	0.55	0.40	1.50	84
20x24x4	1650	0.65	0.55	0.40	1.50	82
20x20x4	1400	0.65	0.55	0.40	1.50	65
18x24x4	1500	0.65	0.55	0.40	1.50	70
16x25x4	1400	0.65	0.55	0.40	1.50	65
16x20x4	1100	0.65	0.55	0.40	1.50	52
12x24x4	1000	0.65	0.55	0.40	1.50	46

* Air Flow Capacity (CFM): 2" deep filters 250 FPM; 4" deep filters 500 FPM

** For applications where the temperature exceeds 350°F, do not exceed filter rated velocity and final resistance of 1.2" W.G

Additional Multi-Cell CS Data

- Actual dimensions are 5/8" less than nominal (24"x 24" is 23-3/8" x 23-3/8"). Actual depth: 4" filters 3-3/4"; 2" filters 1-3/4".
- Multi-Cell CS filters should be installed with the pleats in vertical position.
- Performance data is based on the ASHRAE 52.1 and 52.2 Test Methods.
- Multi-Cell CS filters are classified as Class 1, U.L. Standard 900.
- Maximum operating temperature: 750°F.

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