Filter
Services of Indiana, Inc

Multi-Cell™ HT

High Efficiency Extended Surface Filters
for High Temperature Applications

Multi-Cell HT filters are designed to provide high efficiency air filtration in high temperature applications. The Multi-Cell HT is offered in two temperature ratings (750°F and 900°F) and in single header and double header configurations.

The Multi-Cell HT is constructed of aluminized steel that will not flake or become brittle in high temperature applications. Aluminized faceguards and support straps are installed on the air entering and air exiting sides to provide additional support and durability. "Safe-edge" corrugated aluminum separators help maintain proper spacing of the filter media and help provide additional rigidity. The media is composed of durable ultra-fine glass microfibers and is designed to maximize filter life and efficiency. High temperature rope gasket (optional) can be applied to the filter to help prevent any leaks or bypass in the holding frames.

Multi-Cell HT filters contain **no** silicone. Silicone is a possible cause of contamination and painting defects in paint booth drying ovens.

Features

- **Two temperature ranges: 750°F and 900°F**
- **Two efficiency ranges: 65% (MERV 11) and 95% (MERV 14)**
- **UL Class 1 standard 900**
- **High efficiency microfiberglass filter media**
- **Durable aluminized steel cell sides**
- **Protective aluminized steel faceguards and support straps**
- **Single header and double header configurations**
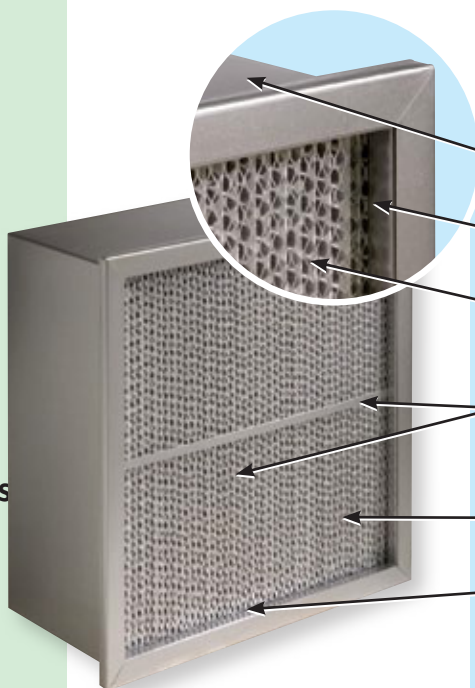- **Available with optional heavy-duty prefilter for applications with turbulent air flows**

Multi-Cell™ HT Construction

Heavy-duty aluminized steel cell sides will not flake in high temperature conditions.

The media pack is recessed to provide extra protection to the aluminum separators and filter media.

Safe-edge™ corrugated aluminum separators insure proper media spacing. The leading edge of of each separator is folded to prevent damage to the filter media.

Aluminized steel faceguards and support straps upstream and downstream protect the filter media and provide extra strength to the filter.

High efficiency, progressive density microfiberglass filter media.

The media pack is secured tightly in the frame with a layer of microfiberglass sealant. The filter contains no silicone.

Koch Filter Corporation…Durable. Reliable. Versatile.

Multi-Cell HT™: Additional Information

A. Multi-Cell™HT filters should be installed with aluminum separators in the vertical position.
B. Multi-Cell™HT filters are listed and tested in accordance with UL Standard 900.
C. Performance testing data is based on ASHRAE standard 52.1-1999 and ASHRAE standard 52.2-2007 test methods.
D. Koch Filter Corporation maintains a program of continuous improvement and product development. Product design and specification are subject to change without notice.
E. **Please note** As illustrated below *high temperature applications with air flow in excess of 2000 CFM per filter and/or cross-directional air flow may cause damage to air filters.*

Koch offers an optional heavy-duty prefilter for applications of this type. Your Koch Filter Corporation representative can help you determine the correct prefilter/final filter combination for your system.

Cross-directional airflows

Airflows in excess of 2000 CFM per filter

Multi-Cell HT™ Resistance to Airflow
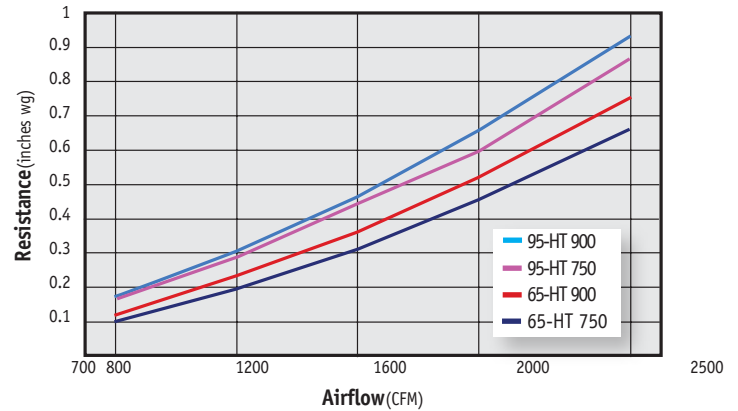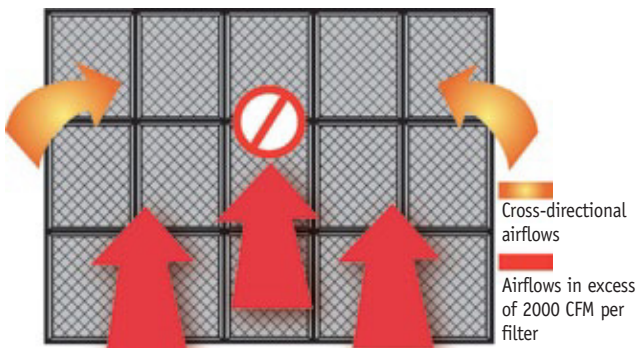
Multi-Cell HT™ Operational Data

Temperature Rating	Nominal Size	Rated Air Flow (CFM) @ 500 FPM	Initial Resistance (in. W.G.) 60-65% MERV 11	90-95% MERV 14	Final Resistance (in. W.G.)	Media Area (sq.ft.)
750˚F	24x24x12	2000	.43	.60	1.20	143
750˚F	20x24x12	1650	.43	.60	1.20	115
750˚F	12x24x12	1000	.43	.60	1.20	62
900˚F	24x24x12	2000	.52	.65	1.20	180
900˚F	20x24x12	1650	.52	.65	1.20	145
900˚F	12x24x12	1000	.52	.65	1.20	79

Performance data is based on ASHRAE Test Standards 52.1-1999 and 52.2-2007.

More sizes are available. Please consult price list or contact factory.

Look for the Koch Green icon! *Whenever you see the Koch Green icon, we are identifying a product that meets or exceeds our criteria in one or more of the following categories:* **Earns LEED Points, Reduces Energy Costs, Extends Filter Lifecycles, Conserves Resources, and Improves Indoor Environmental Quality.**

Distributed by

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