

MicroMAXPL6™

High Efficiency Minipleat Filter

The **MicroMAXPL6™** is an extended surface, mini-pleat air filter engineered to provide maximum performance and prolonged filter lifecycles in all types of commercial and industrial HVAC applications.

All-Plastic Compact Design

The **MicroMAXPL6** is manufactured in a 6" 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.

Dual-Density Filter Media

The media used in **MicroMAXPL6** mini-pleat filters is composed of micro-fiberglass paper, treated with a specially-formulated, water-repellent binder. Millions of fibers are constructed into a graded density mat, with coarse fibers upstream and finer fibers on the air-exiting side. This dual-density media combined with a mini-pleat design ensures full media utilization, which results in higher dust holding capacity and extended filter life in a compact configuration.

The **MicroMAXPL6** is also available with antimicrobial-treated media.

Great Performance in a Compact Design

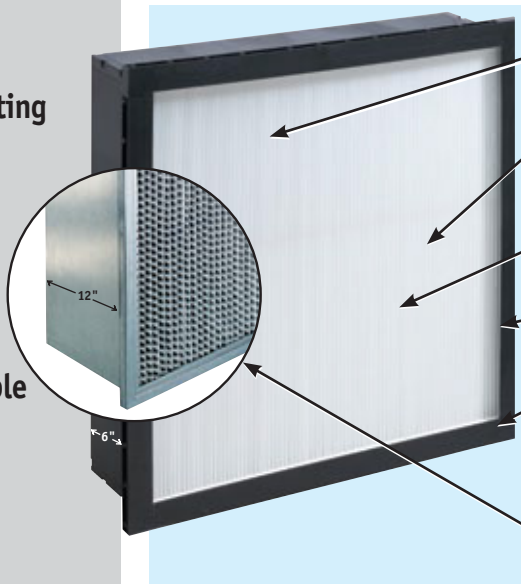
The **MicroMAXPL6** offers the same media square footage and comparable performance of normal 12" final filters, but in a compact design. The **MicroMAXPL6** mini-pleat media pack utilizes thermoplastic glue-bead separators to ensure consistent media spacing and aerodynamic airflow.



MicroMAX PL6 earns the Koch Green Icon for one or more following categories: Earns LEED Points, Reduces Energy Costs, Extends Filter Lifecycles, Conserves Resources, and Improves Indoor Environmental Quality.

Features:

- **MERV 11-15 performance rating**
- **Compact design saves space**
- **Durable plastic frame**
- **Reduces freight and handling**
- **Incinerable**
- **Antimicrobial media available**



Minipleat design provides low pressure drop and reduced energy costs.

High efficiency microfiberglass filter media provides high efficiency and superior dust holding capacity for prolonged service life.

Thermoplastic glue-bead separators ensure low pressure drop and aerodynamic airflow.

Specialized media sealant secures media to frame and eliminates air bypass.

Durable plastic frame components make the **MicroMAX PL6** lightweight, yet extremely rigid and easy to install. The all-plastic frame makes the **MicroMAX PL6** completely incinerable after use.

Same media area and half the depth of a standard 12" deep Multi-Cell filter.

Koch Filter Corporation...Durable Reliable. Versatile.

MicroMAX PL6 Product Information

Nominal Size (HxWxD)	Actual Size (HxWxD)	Rated Airflow Capacity (CFM)	Rated Initial Pressure Drop @ 500FPM (in. w. g.)			Recommended Final Pressure Drop (in. w. g.)	Media Area (Sq. Ft.)
			MERV 14	MERV 13	MERV 11		
24 x 24 x 6	23 ³ / ₈ x 23 ³ / ₈ x 5 ¹ / ₈	2000	0.58	0.56	0.44	1.5	125
24 x 20 x 6	23 ³ / ₈ x 19 ³ / ₈ x 5 ¹ / ₈	1660	0.58	0.56	0.44	1.5	103
24 x 12 x 6	23 ³ / ₈ x 11 ³ / ₈ x 5 ¹ / ₈	1000	0.58	0.56	0.44	1.5	57
20 x 16 x 6	19 ³ / ₈ x 15 ³ / ₈ x 5 ¹ / ₈	1100	0.58	0.56	0.44	1.5	65
20 x 20 x 6	19 ³ / ₈ x 19 ³ / ₈ x 5 ¹ / ₈	1400	0.58	0.56	0.44	1.5	84
25 x 16 x 6	24 ³ / ₈ x 15 ³ / ₈ x 5 ¹ / ₈	1400	0.58	0.56	0.44	1.5	84
25 x 20 x 6	24 ³ / ₈ x 19 ³ / ₈ x 5 ¹ / ₈	1750	0.58	0.56	0.44	1.5	108

Additional Technical Information

- Width and height dimensions are interchangeable. MicroMAX PL filters can be installed with the pleats in either direction.
- Performance data is based on ASHRAE Test Standards 52.2-2007.
- UL Rating – Classified per Underwriters Laboratories Standard 900.
- Maximum operating temperature – 175 degrees F. (82 degrees C.)
- Gasket options available.
- MicroMAX PL6 filters can be operated up to 125% of rated filter face velocity.
- Other media options are available. Please contact factory

Engineering Specifications

1.0 General

- Filter shall be MicroMax PL6 filter as manufactured by Koch Filter Corporation.
- Filter shall be available in a nominal depth of 6".
- Filter shall be classified per UL Standard 900.
- Special sizes are not available.

2.0 Filter Construction and Materials

- Media shall be wet-laid, gradient density, micro-fiberglass with hot melt adhesive beads to maintain pleat uniformity and spacing.
- Frame shall be made of 100% high impact polystyrene.
- Frame shall have a built in header on all four sides of the air entering side of the filter.
- Filter media pack shall be sealed to the frame using solid polyurethane.
- Gasket options are available.

3.0 Filter Performance

- Filter shall be available as a MERV 11, 13 or 14 when tested in accordance with ASHRAE 52.2-2007.
- Filter shall have an initial pressure drop of .58" w.g. MERV 14, .56" w.g. MERV 13, or .44" w.g. MERV 11 @ a flow of 500 fpm (+/- 10% per A. R. I. Standard).
- Filter shall be rated to withstand a continuous operating temperature up to 175 degrees F. or 82 degrees C.
- Filter shall have a recommended final pressure drop of 1.5" w. g.
- Filter shall have a maximum burst pressure of 10.0" w. g.
- Filter may be installed with the pleats in either a vertical or horizontal position.



Distributed by

Filter Services of Indiana
1550 Indiana Ave.
Indianapolis, Indiana 46202
317-264-2123



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.**