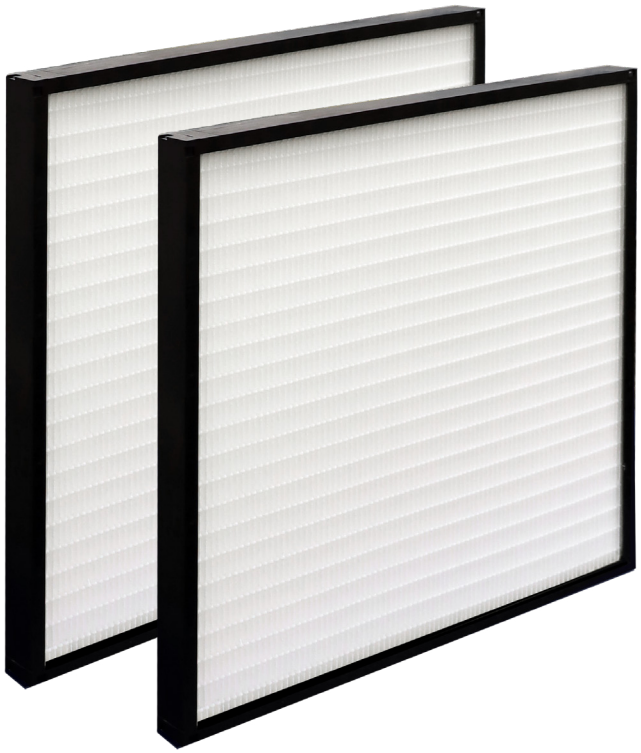
MicroMAX™ PL2S

High Efficiency Synthetic Minipleat Filter



FEATURES

Minipleat Design
100% Synthetic Media
Plastic Frame
Low Resistance To Airflow
Available in MERV 14, MERV 13 and MERV 11

MicroMax™ PL2S

The Koch MicroMax™ PL2S is a high efficiency extended surface pleated panel filter, engineered to provide higher initial efficiencies with lower initial resistance than similar microfiberglass filters. The new media design allows for compact pleat spacing that produces a low initial pressure drop while maximizing the media area in the filter.

The Koch MicroMax™ PL2S is available in MERV 14, MERV 13 and MERV 11 efficiency when tested in accordance to ASHRAE Test Standard 52.2-2017.

MicroMax™ PL2S Construction

The MicroMax™ PL2S was developed with a 100% synthetic media that is bonded to the entire perimeter of the frame. The synthetic media combined with the plastic frame creates a filter that is water repellent, yields a low system resistance and extended service life. The combination of the 100% synthetic media and the high impact polystyrene frame will not support the growth of Microbials.

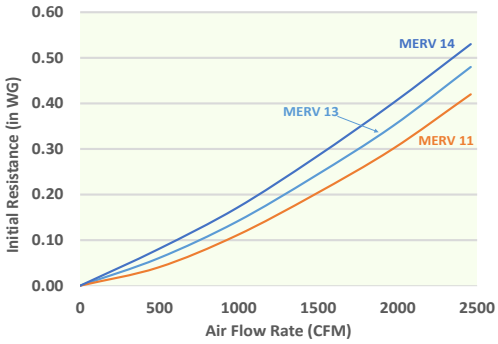
The MicroMax™ PL2S is available in a variety of common sizes and performance ranges to fit your application. Additionally, the MicroMax™ PL2S offers unique advantages over the traditional 12" rigid filter, the filters are incinerable, resulting in less impact on landfills. The 2" depth requires less area to store the filters and allows for them to be shipped more economically than their 12" deep counterparts.

KOCH FILTER
PURE PERFORMANCE

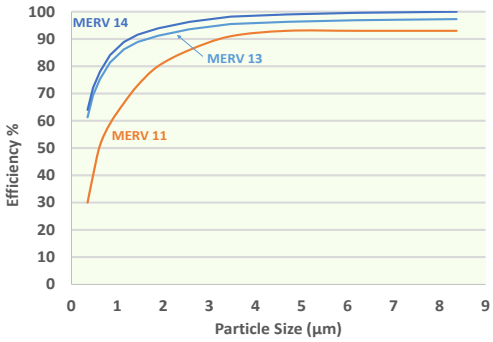
MicroMAX™ PL2S Performance Data

Filter Efficiency	Intial Reistance (inches w.g.)	Final Resistance (inches w.g.)
MERV 14	0.40	1.5
MERV 13	0.38	1.5
MERV 11	0.35	1.5

Initial Resistance vs. Air Flow Rate



Efficiency by Particle Size



MicroMAX™ PL2S Specifications

Efficiency	MERV 14, MERV 13, and MERV 11
Media	100% Synthetic
Media Support	Thermoplastic Pleat Separators
Frame Type	Plastic
Max Operating Temperature	180°F (82°C)
Filter Certification	UL 900
Manufacturing Certification	ISO 9001:2015

Part Number	Nominal Size* WxHxD	Efficiency	Capacity (CFM) 500 FPM
120-622-2424	24x24x2	MERV 14	2000
120-622-2520	25x20x2	MERV 14	1750
120-622-2024	20x24x2	MERV 14	1700
120-622-2020	20x20x2	MERV 14	1400
120-622-1824	18x24x2	MERV 14	1500
120-622-1820	18x20x2	MERV 14	1500
120-622-2515	25x16x2	MERV 14	1400
120-622-1620	16x20x2	MERV 14	1100
120-622-1224	12x24x2	MERV 14	1000
Part Number	**WxHxD**	**Efficiency**	**500 FPM**
120-632-2424	24x24x2	MERV 13	2000
120-632-2520	25x20x2	MERV 13	1750
120-632-2024	20x24x2	MERV 13	1700
120-632-2020	20x20x2	MERV 13	1400
120-632-1824	18x24x2	MERV 13	1500
120-632-1820	18x20x2	MERV 13	1500
120-632-2516	25x16x2	MERV 13	1400
120-632-1620	16x20x2	MERV 13	1100
120-632-1224	12x24x2	MERV 13	1000
Part Number	**WxHxD**	**Efficiency**	**500 FPM**
120-652-2424	24x24x2	MERV 11	2000
120-652-2520	25x20x2	MERV 11	1750
120-652-2024	20x24x2	MERV 11	1700
120-652-2020	20x20x2	MERV 11	1400
120-652-1824	18x24x2	MERV 11	1500
120-652-1820	18x20x2	MERV 11	1500
120-652-2516	25x16x2	MERV 11	1400
120-652-1620	16x20x2	MERV 11	1100
120-652-1224	12x24x2	MERV 11	1000

Engineering Specifications

1.0 General Specifications

1.1 Filters shall be MicroMAX™ PL2S extended surface pleated air filters as manufactured by Koch Filter.
1.2 Filters shall be available in nominal depths of 2".
1.3 Filters are classified by Underwriters Laboratories to UL 900.
1.4 Filters are manufactured by an ISO 9001 registered company.

2.0 Filter Material and Construction

2.1 Media shall be 100% synthetic media.
2.2 Filter media shall be composed of one continuous sheet of synthetic filter media.
2.3 Uniform pleat spacing created by Thermoplastic pleat separators which will promote uniform airflow throughout the media.
2.4 The frame shall be composed of plastic construction.
2.5 The media pack will be bonded to the entire periphery of the plastic frame to prevent air bypass.

3.0 Filter Performance

3.1 Filters shall be MERV 14, MERV 13 or MERV 11 when tested in accordance with ASHRAE 52.2-2017 Standard.
3.2 For initial resistance of filters, see Performance Data chart above.
3.3 Filters shall have a recommended final resistance of 1.5" w.g.

8401 Air Commerce Drive, Louisville KY 40219 | toll free: 800.757.5624 | phone: 502.634.4796 | Fax: 502.969.2364
info@kochfilter.com | www.kochfilter.com

© 2021 Johnson Controls. All rights reserved. Product offerings and specifications are subject to change without notice.
Actual products may vary from photos. Not all products include all features. Availability varies by region; please contact your sales representative.