Koch Filter Corporation
Filtration Products Crafted with Pride

Multi-Pleat Green 13™

MERV 13 Extended Surface Panel Filters

The Koch Multi-Pleat GREEN 13 is a high efficiency extended surface pleated panel filter, engineered to provide higher initial efficiencies than standard pleated filters.

The Green 13 is a sustainable component of green building development. By virtue of its MERV 13 performance rating, the Green 13 can earn points toward LEED certification in the US Green Building Council's Green Building Rating System. (LEED is Leadership in Energy and Environmental Design, an integral part of the rating system).

The MERV 13 performance ratings provided by the Multi-Pleat GREEN 13 make the filter an excellent upgrade from disposable filters and ordinary pleated filters in applications such as hospitals, laboratories and pharmaceutical plants, commercial office buildings, and in any system in which a higher degree of clean air is required.

Multi-Pleat Green 13 Construction

The media in the **Multi-Pleat Green 13** is produced with a specialized blend of electrostatically-charged synthetic fibers, researched by Koch Filter Corporation specifically for use in extended surface air filtration. This layer of polypropylene fibers, known as the **E-Layer**, is composed of rectangular shaped fibers arranged in an intersecting cross-pattern design. This unique fiber configuration insures greater stability of the electrostatic charge, reduced pressure drop, and prolonged efficiencies compared to other filter medias.

Features

- MERV 13 performance rating in accordance with ASHRAE Test Standard 52.2-2007
- Earns LEED points
- Reduces energy cost
- Extended filter lifecycle
- Conserves resources
- Improves indoor environmental quality
- Available in 1", 2" and 4"

Koch Filter Corporation...Durable. Reliable. Versatile.

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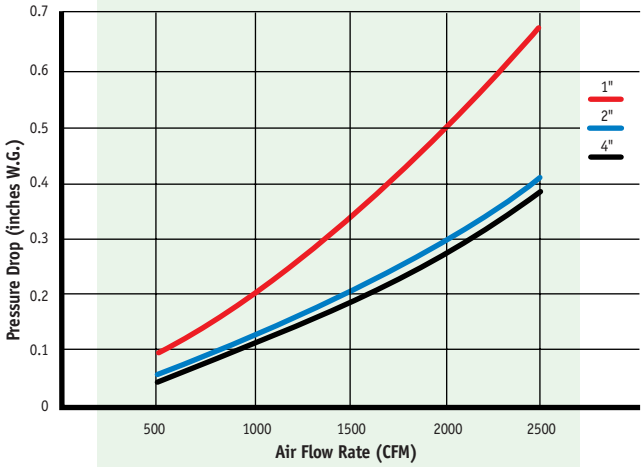
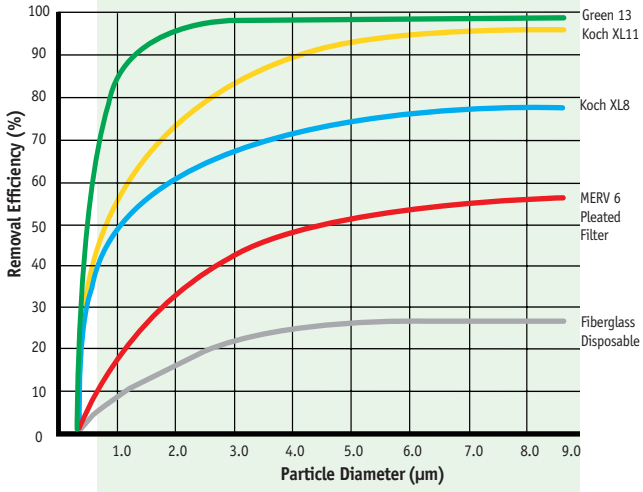
Multi-Pleat Green 13 Technical Data

Size (Nominal)	Size (Actual in inches)	Capacity (CFM) Low/Med/High @300 500 625 (FPM)	Resistance (in W.G.) Low/Med/High/Final @300 500 625 (FPM)	Media Area (Sq. Ft).
10x20x1	9-7/8x19-7/8x7/8	425/ 700/ NR	.26/.50/NR/1.0	3.2
12x24x1	11-3/8x23-3/8x7/8	600 / 1000 / NR	.26/.50/NR/1.0	4.6
14x20x1	13-7/8x19-7/8x7/8	590 / 980 / NR	.26/.50/NR/1.0	4.5
14x25x1	13-7/8x24-7/8x7/8	730 / 1215 / NR	.26/.50/NR/1.0	5.6
15x20x1	14-7/8x19-7/8x7/8	625 / 1050 / NR	.26/.50/NR/1.0	4.8
16x20x1	15-1/2x19-1/2x7/8	670 / 1115 / NR	.26/.50/NR/1.0	5.1
16x25x1	15-1/2x24-1/2x7/8	840 / 1400 / NR	.26/.50/NR/1.0	6.4
20x20x1	19-1/2x19-1/2x7/8	840 / 1400 / NR	.26/.50/NR/1.0	6.4
20x25x1	19-1/2x24-1/2x7/8	1050 / 1740 / NR	.26/.50/NR/1.0	8.0
24x24x1	23-3/8x23-3/8x7/8	1200 / 2000 / NR	.26/.50/NR/1.0	9.2
12x24x2	11-3/8x23-3/8x1-3/4	600 / 1000 / 1200	.12/.29/.41/1.0	9.2
14x20x2	13-3/4x19-3/4x1-3/4	590 / 980 / 1215	.12/.29/.41/1.0	8.9
14x25x2	13-3/4x24-3/4x1-3/4	730 / 1215 / 1520	.12/.29/.41/1.0	12.0
15x20x2	14-3/4x19-3/4x1-3/4	625 / 1050 / 1310	.12/.29/.41/1.0	9.6
16x20x2	15-1/2x19-1/2x1-3/4	670 / 1115 / 1400	.12/.29/.41/1.0	10.2
16x25x2	15-1/2x24-1/2x1-3/4	840 / 1400 / 1740	.12/.29/.41/1.0	12.8
18x24x2	17-1/2x23-1/2x1-3/4	900 / 1500 / 1875	.12/.29/.41/1.0	13.8
20x20x2	19-1/2x19-1/2x1-3/4	840 / 1400 / 1740	.12/.29/.41/1.0	12.8
20x24x2	19-1/2x23-1/2x1-3/4	1000 / 1675 / 2100	.12/.29/.41/1.0	15.3
20x25x2	19-1/2x24-1/2x1-3/4	1050 / 1740 / 2170	.12/.29/.41/1.0	16.0
24x24x2	23-3/8x23-3/8x1-3/4	1200 / 2000 / 2500	.12/.29/.41/1.0	18.4
25x25x2	24-3/8x24-3/8x1-3/4	1310 / 2170 / 2720	.12/.29/.41/1.0	20.0
12x24x4	11-3/8x23-3/8x3-3/4	600 / 1000 / 1250	.11/.27/.39/1.0	14.0
16x20x4	15-1/2x19-1/2x3-3/4	670 / 1115 / 1400	.11/.27/.39/1.0	15.6
18x24x4	17-1/2x23-3/8x3-3/4	900 / 1500 / 1875	.11/.27/.39/1.0	21.0
20x20x4	19-1/2x19-1/2x3-3/4	840 / 1400 / 1740	.11/.27/.39/1.0	19.4
20x24x4	19-1/2x23-3/8x3-3/4	1000 / 1675 / 2100	.11/.27/.39/1.0	24.0
20x25x4	19-1/2x24-1/2x3-3/4	1050 / 1740 / 2170	.11/.27/.39/1.0	24.3
24x24x4	23-3/8x23-3/8x3-3/4	1200 / 2000 / 2500	.11/.27/.39/1.0	28.0

Initial Resistance vs. Filter Face Velocity



Efficiency by Particle Size



Additional Multi-Pleat Green 13 Product Information

Recommended Final Pressure Drop is 1.0" w.g. • Performance data is based on ASHRAE Test Standards 52.1-1999 and 52.2-2007.

Recommended maximum continuous operational temperature is 200° F (93°C).

Multi-Pleat Green 13 filters are classified as Underwriter's Laboratories Class 2 according to U.L. Standard 900.

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.***

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