

# Multi-Flo™

Medium & High Efficiency Rigid Extended Surface Air Filters.



#### **Features**

- Low pressure drop
- Reduces energy cost
- Durable plastic internal supports
- MERV 10 15 performance rating
- High efficiency synthetic or microfiberglass media
- Rigid construction for variable-air-volume systems

## **Medium and High Efficiency**

The Koch Multi-Flo is a rigid, extended surface air filter engineered to provide medium and high efficiency air filtration, and long filter lifecycles. The Multi-Flo, because of its rugged metal and plastic frame construction, is capable of operating in a wide variety of air handling systems, and is an excellent product for variable-air-volume (VAV) applications where changes in airflow might render a nonrigid filter ineffective. Multi-Flo filters are widely used in hospitals, manufacturing plants, automotive plants, office buildings, universities, pharmaceutical laboratories, and in many other commercial and industrial applications. The Multi-Flo is interchangeable with all makes and models of competitive rigid filters. They are available in a single-header or non-header configuration, making it easy to install in any side access or front access housing. Each filter is completely disposable and is furnished ready for installation.

#### Series G Microfiberglass Media

Multi-Flo Series G filters are constructed with a microfiberglass media. The ultrafine glass fibers used in Series G media are formed into a progressively dense high loft blanket which provides high dust holding and low resistance to airflow. The microfiberglass media used in Multi-Flo Series G is designed specifically for use in high efficiency air filtration and has a long record of proven reliability, even under extreme atmospheric conditions. Multi-Flo Series G is available in four ASHRAE efficiency ranges (MERV 10-14) to meet the unique demands of every application.

## **Series S Synthetic Media**

The media used in **Multi-Flo** Series S is composed of 100% synthetic fibers. These synthetic fibers are formed into a dual stage graded-density mat which ensures full depth loading, high dust holding capacity, and total media utilization. Also, these synthetic microfibers exhibit extraordinary strength and will not shed, even in high moisture applications or other adverse conditions. The media is supported downstream by a layer of spun-bonded synthetic. **Multi-Flo** Series S is available in four ASHRAE efficiency ranges (MERV 11-15) to meet the unique demands of every application.

### **Header Configurations**

Standard non-header models are furnished with clip accomodations holes for front load filter banks. FM single-header models are equipped with a single 0.88" header upstream for side access housings. Also available with 1.125" header ( Style FM-C) if required.

		Air Flow	Initial Resistance				
Nominal	Actual	Capacity (CFM)	(in. W.G.)				Media Area
Size	Size	@500 FPM	MERV 15	MERV 14	MERV 12	MERV 11	(Sq. ft.)
Multi-Flo NHM - Series S (No Header)							
24 x 24 x 12	23.38 x 23.38 x 11.50	2000	.58	.45	.33	.32	61
12 x 24 x 12	11.38 x 23.38 x 11.50	1000	.58	.45	.33	.32	30
24 x 24 x 6	23.38 x 23.38 x 5.88	1000	.58	.45	.33	.32	33
12 x 24 x 6	11.38 x 23.38 x 5.88	500	.58	.45	.33	.32	16
20 x 20 x 12	19.38 x 19.38 x 11.50	1400	.58	.45	.33	.32	42
20 x 24 x 12	19.38 x 23.38 x 11.50	1667	.58	.45	.33	.32	50
20 x 24 x 6	19.38 x 23.38 x 5.88	834	.58	.45	.33	.32	27
20 x 20 x 6	19.38 x 19.38 x 5.88	700	.58	.45	.33	.32	23
		Multi-Flo FM	- Series S (Singl	e Header)			
24 x 24 x 12	23.38 x 23.38 x 11.50	2000	.59	.46	.34	.33	55
12 x 24 x 12	11.38 x 23.38 x 11.50	1000	.59	.46	.34	.33	24
24 x 24 x 6	23.38 x 23.38 x 5.88	1000	.59	.46	.34	.33	29
12 x 24 x 6	11.38 x 23.38 x 5.88	500	.59	.46	.34	.33	13
20 x 20 x 12	19.38 x 19.38 x 11.50	1400	.59	.46	.34	.33	37
20 x 24 x 12	19.38 x 23.38 x 11.50	1667	.59	.46	.34	.33	44
20 x 24 x 6	19.38 x 23.38 x 5.88	834	.59	.46	.34	.33	24
20 x 20 x 6	19.38 x 19.38 x 5.88	700	.59	.46	.34	.33	20
			Initial Resistance				
		Air Flow		Initial Re	sistance		
Nominal	Actual	Air Flow Capacity (CFM)		Initial Re (in. V			Media Area
Nominal Size	Actual Size		MERV 14			MERV 10	Media Area (Sq. ft.)
		Capacity (CFM) @500 FPM	MERV 14 M - Series G (No	(in. V MERV 13	v.G.)	MERV 10	
		Capacity (CFM) @500 FPM		(in. V MERV 13	v.G.)	MERV 10	
Size	Size	Capacity (CFM) @500 FPM Multi-Flo NH	M - Series G (N	(in. V MERV 13 o Header)	V.G.) MERV 11		(Sq. ft.)
Size 24 x 24 x 12	Size 23.38 x 23.38 x 11.50	Capacity (CFM) @500 FPM Multi-Flo NH 2000	M - Series G (No	(in. V MERV 13 o Header) .47	MERV 11	.34	(Sq. ft.)
Size  24 x 24 x 12  12 x 24 x 12	Size  23.38 x 23.38 x 11.50  11.38 x 23.38 x 11.50	Capacity (CFM) @500 FPM Multi-Flo NH 2000 1000	<b>M - Series G (N</b> .60	(in. V MERV 13 o Header) .47	MERV 11 .35	.34 .34	(sq. ft.) 61 30
24 x 24 x 12 12 x 24 x 12 24 x 24 x 6	Size  23.38 x 23.38 x 11.50  11.38 x 23.38 x 11.50  23.38 x 23.38 x 5.88	Capacity (CFM) @500 FPM Multi-Flo NH 2000 1000	M - Series G (No .60 .60	(in. V MERV 13 o Header) .47 .47	.35 .35 .35	.34 .34 .34	(Sq. ft.) 61 30 33
24 x 24 x 12 12 x 24 x 12 24 x 24 x 6 12 x 24 x 6	Size  23.38 x 23.38 x 11.50  11.38 x 23.38 x 11.50  23.38 x 23.38 x 5.88  11.38 x 23.38 x 5.88	Capacity (CFM) @500 FPM  Multi-Flo NH 2000 1000 1000 500	M - Series G (No .60 .60 .60	(in. V MERV 13 o Header) .47 .47 .47	.35 .35 .35 .35	.34 .34 .34	(sq. ft.) 61 30 33 16
24 x 24 x 12 12 x 24 x 12 24 x 24 x 6 12 x 24 x 6 20 x 20 x 12	23.38 x 23.38 x 11.50 11.38 x 23.38 x 11.50 23.38 x 23.38 x 5.88 11.38 x 23.38 x 5.88 19.38 x 19.38 x 11.50	Capacity (CFM) @500 FPM  Multi-Flo NH 2000 1000 500 1400	M - Series G (No60 .60 .60 .60 .60 .60	(in. V MERV 13 o Header) .47 .47 .47 .47	.35 .35 .35 .35 .35	.34 .34 .34 .34	(Sq. ft.)  61  30  33  16  42
Size  24 x 24 x 12  12 x 24 x 12  24 x 24 x 6  12 x 24 x 6  20 x 20 x 12  20 x 24 x 12	Size  23.38 x 23.38 x 11.50  11.38 x 23.38 x 11.50  23.38 x 23.38 x 5.88  11.38 x 23.38 x 5.88  19.38 x 19.38 x 11.50  19.38 x 23.38 x 11.50	Capacity (CFM) @500 FPM  Multi-Flo NH 2000 1000 500 1400 1667	.60 .60 .60 .60 .60 .60	(in. V MERV 13 D Header) .47 .47 .47 .47 .47	.35 .35 .35 .35 .35 .35	.34 .34 .34 .34 .34	(sq. ft.) 61 30 33 16 42 50
Size  24 x 24 x 12  12 x 24 x 12  24 x 24 x 6  12 x 24 x 6  20 x 20 x 12  20 x 24 x 12  20 x 24 x 6	23.38 x 23.38 x 11.50 11.38 x 23.38 x 11.50 23.38 x 23.38 x 5.88 11.38 x 23.38 x 5.88 19.38 x 19.38 x 11.50 19.38 x 23.38 x 11.50 19.38 x 23.38 x 5.88	Capacity (CFM) @500 FPM  Multi-Flo NH 2000 1000 1000 500 1400 1667 834 700	M - Series G (No60 .60 .60 .60 .60 .60 .60 .60 .60	(in. V MERV 13 D Header) .47 .47 .47 .47 .47 .47	.35 .35 .35 .35 .35 .35 .35	.34 .34 .34 .34 .34 .34	(Sq. ft.)  61  30  33  16  42  50  27
Size  24 x 24 x 12  12 x 24 x 12  24 x 24 x 6  12 x 24 x 6  20 x 20 x 12  20 x 24 x 12  20 x 24 x 6	23.38 x 23.38 x 11.50 11.38 x 23.38 x 11.50 23.38 x 23.38 x 5.88 11.38 x 23.38 x 5.88 19.38 x 19.38 x 11.50 19.38 x 23.38 x 11.50 19.38 x 23.38 x 5.88	Capacity (CFM) @500 FPM  Multi-Flo NH 2000 1000 1000 500 1400 1667 834 700	M - Series G (No60 .60 .60 .60 .60 .60 .60 .60 .60 .6	(in. V MERV 13 D Header) .47 .47 .47 .47 .47 .47	.35 .35 .35 .35 .35 .35 .35	.34 .34 .34 .34 .34 .34	(Sq. ft.)  61  30  33  16  42  50  27
Size  24 x 24 x 12  12 x 24 x 12  24 x 24 x 6  12 x 24 x 6  20 x 20 x 12  20 x 24 x 12  20 x 24 x 6  20 x 20 x 6	\$\frac{1}{23.38 \times 23.38 \times 11.50}\$  11.38 \times 23.38 \times 11.50\$  23.38 \times 23.38 \times 5.88  11.38 \times 23.38 \times 5.88  19.38 \times 19.38 \times 11.50  19.38 \times 23.38 \times 11.50  19.38 \times 23.38 \times 5.88  19.38 \times 19.38 \times 5.88	Capacity (CFM) @500 FPM  Multi-Flo NH 2000 1000 1000 500 1400 1667 834 700  Multi-Flo FM	M - Series G (No60 .60 .60 .60 .60 .60 .60 .60 .60 .6	(in. V MERV 13 o Header) .47 .47 .47 .47 .47 .47 .47	.35 .35 .35 .35 .35 .35 .35 .35	.34 .34 .34 .34 .34 .34 .34	(Sq. ft.)  61  30  33  16  42  50  27  23
Size  24 x 24 x 12  12 x 24 x 12  24 x 24 x 6  12 x 24 x 6  20 x 20 x 12  20 x 24 x 12  20 x 24 x 6  20 x 20 x 6	Size  23.38 x 23.38 x 11.50  11.38 x 23.38 x 11.50  23.38 x 23.38 x 5.88  11.38 x 23.38 x 5.88  19.38 x 19.38 x 11.50  19.38 x 23.38 x 11.50  19.38 x 23.38 x 5.88  19.38 x 19.38 x 5.88  23.38 x 19.38 x 5.88	Capacity (CFM) @500 FPM  Multi-Flo NH 2000 1000 1000 500 1400 1667 834 700  Multi-Flo FM 2000	M - Series G (No60 .60 .60 .60 .60 .60 .60 .60 .60 .6	(in. V MERV 13 D Header) .47 .47 .47 .47 .47 .47 .47 .47 .47	.35 .35 .35 .35 .35 .35 .35 .35 .35 .35	.34 .34 .34 .34 .34 .34 .34	(sq. ft.)  61  30  33  16  42  50  27  23
Size  24 x 24 x 12  12 x 24 x 12  24 x 24 x 6  12 x 24 x 6  20 x 20 x 12  20 x 24 x 12  20 x 24 x 6  20 x 20 x 6	\$\frac{11.38 \times 23.38 \times 11.50}{11.38 \times 23.38 \times 11.50}{23.38 \times 23.38 \times 5.88}\$\$\$11.38 \times 23.38 \times 5.88\$\$\$19.38 \times 19.38 \times 11.50\$\$\$19.38 \times 23.38 \times 5.88\$\$\$19.38 \times 23.38 \times 5.88\$\$\$19.38 \times 19.38 \times 5.88\$\$\$23.38 \times 11.50\$\$\$11.38 \times 23.38 \times 11.50\$\$\$11.38 \times 23.38 \times 11.50\$	Capacity (CFM) @500 FPM  Multi-Flo NH 2000 1000 1000 500 1400 1667 834 700  Multi-Flo FM 2000 1000	M - Series G (No60 .60 .60 .60 .60 .60 .60 .60 .60 .6	(in. V MERV 13 b Header) .47 .47 .47 .47 .47 .47 .47 .47 .49 le Header) .55	.35 .35 .35 .35 .35 .35 .35 .35 .35 .35	.34 .34 .34 .34 .34 .34 .34 .34	(Sq. ft.)  61  30  33  16  42  50  27  23
Size  24 x 24 x 12  12 x 24 x 12  24 x 24 x 6  12 x 24 x 6  20 x 20 x 12  20 x 24 x 12  20 x 24 x 6  20 x 20 x 6  24 x 24 x 12  12 x 24 x 12  24 x 24 x 16	Size  23.38 x 23.38 x 11.50  11.38 x 23.38 x 11.50  23.38 x 23.38 x 5.88  11.38 x 23.38 x 5.88  19.38 x 19.38 x 11.50  19.38 x 23.38 x 11.50  19.38 x 23.38 x 5.88  19.38 x 19.38 x 5.88  23.38 x 23.38 x 11.50  11.38 x 23.38 x 11.50  23.38 x 23.38 x 11.50  23.38 x 23.38 x 5.88	Capacity (CFM) @500 FPM  Multi-Flo NH 2000 1000 1000 500 1400 1667 834 700  Multi-Flo FM 2000 1000 1000	M - Series G (No60 .60 .60 .60 .60 .60 .60 .60 .60 .6	(in. V MERV 13 D Header) .47 .47 .47 .47 .47 .47 .47 .47	.35 .35 .35 .35 .35 .35 .35 .35 .35 .35	.34 .34 .34 .34 .34 .34 .34 .34 .42	(sq. ft.)  61  30  33  16  42  50  27  23  55  24  29
Size  24 x 24 x 12  12 x 24 x 12  24 x 24 x 6  12 x 24 x 6  20 x 20 x 12  20 x 24 x 12  20 x 24 x 6  20 x 20 x 6   24 x 24 x 12  12 x 24 x 12  12 x 24 x 16  12 x 24 x 6  12 x 24 x 6	\$\frac{\\$\size}\$  23.38 \times 23.38 \times 11.50  11.38 \times 23.38 \times 11.50  23.38 \times 23.38 \times 5.88  11.38 \times 23.38 \times 5.88  19.38 \times 19.38 \times 11.50  19.38 \times 23.38 \times 5.88  19.38 \times 23.38 \times 5.88  23.38 \times 23.38 \times 5.88  23.38 \times 23.38 \times 11.50  11.38 \times 23.38 \times 11.50  23.38 \times 23.38 \times 5.88  11.38 \times 23.38 \times 5.88	Capacity (CFM) @500 FPM  Multi-Flo NH 2000 1000 1000 500 1400 1667 834 700 Multi-Flo FM 2000 1000 1000 500	M - Series G (No60 .60 .60 .60 .60 .60 .60 .60 .60 .6	(in. V MERV 13 b Header) .47 .47 .47 .47 .47 .47 .47 .47	.35 .35 .35 .35 .35 .35 .35 .35 .35 .35	.34 .34 .34 .34 .34 .34 .34 .34 .42 .42	(Sq. ft.)  61  30  33  16  42  50  27  23  55  24  29  13
Size  24 x 24 x 12  12 x 24 x 12  24 x 24 x 6  12 x 24 x 6  20 x 20 x 12  20 x 24 x 12  20 x 24 x 6  20 x 20 x 6  24 x 24 x 12  12 x 24 x 12  24 x 24 x 6  12 x 24 x 6  20 x 20 x 12	\$\frac{\frac	Capacity (CFM) @500 FPM  Multi-Flo NH 2000 1000 1000 500 1400 1667 834 700  Multi-Flo FM 2000 1000 500 1400	M - Series G (No60 .60 .60 .60 .60 .60 .60 .60 .60 .6	(in. V MERV 13 D Header) .47 .47 .47 .47 .47 .47 .47 .47	.35 .35 .35 .35 .35 .35 .35 .35 .35 .35	.34 .34 .34 .34 .34 .34 .34 .34 .42 .42 .42	(Sq. ft.)  61  30  33  16  42  50  27  23  55  24  29  13  37
Size  24 x 24 x 12  12 x 24 x 12  24 x 24 x 6  12 x 24 x 6  20 x 20 x 12  20 x 24 x 12  20 x 24 x 6  20 x 20 x 6   24 x 24 x 12  12 x 24 x 12  12 x 24 x 12  24 x 24 x 6  12 x 24 x 6  12 x 24 x 6  20 x 20 x 12  20 x 24 x 12	\$\frac{\text{Size}}{23.38 \times 23.38 \times 11.50}\$  \$\frac{11.38 \times 23.38 \times 11.50}{23.38 \times 23.38 \times 5.88}\$  \$\frac{11.38 \times 23.38 \times 5.88}{19.38 \times 19.38 \times 11.50}\$  \$\frac{19.38 \times 23.38 \times 5.88}{19.38 \times 23.38 \times 5.88}\$  \$\frac{23.38 \times 23.38 \times 5.88}{19.38 \times 23.38 \times 5.88}\$  \$\frac{11.38 \times 23.38 \times 5.88}{11.38 \times 23.38 \times 5.88}\$  \$\frac{11.38 \times 23.38 \times 5.88}{11.38 \times 23.38 \times 11.50}\$  \$\frac{19.38 \times 19.38 \times 11.50}{19.38 \times 23.38 \times 11.50}\$	Capacity (CFM) @500 FPM  Multi-Flo NH 2000 1000 1000 500 1400 1667 834 700 Multi-Flo FM 2000 1000 500 1400 1667	M - Series G (No60 .60 .60 .60 .60 .60 .60 .60 .60 .6	(in. V MERV 13 b Header) .47 .47 .47 .47 .47 .47 .47 .47	.35 .35 .35 .35 .35 .35 .35 .35 .35 .35	.34 .34 .34 .34 .34 .34 .34 .42 .42 .42 .42	(Sq. ft.)  61  30  33  16  42  50  27  23  55  24  29  13  37  44

#### ivote

- Recommended Final Pressure Drop is 1.5" w.g. Performance data is based on ASHRAE Test Standards 52.2-2012. UL Classified
- Recommended maximum continuous operational temperature is 180° F. Rated Velocity: 500 FPM @ 12" deep and 250 FPM @ 6" deep



