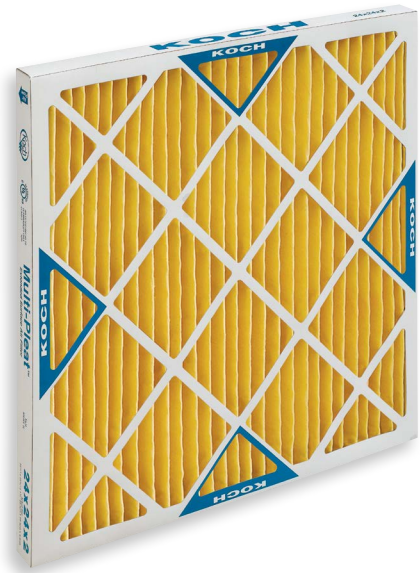


# Multi-Pleat™ XL11

## MERV 11 Extended Surface Pleated Panel Filters



### Features

- Upgrade from standard pleated filter
- MERV 11 performance rating
- Dual-Layered filter media
- Low pressure drop
- High Dust Holding Capacity
- Superior Efficiency
- Available in 1", 2", 4" and 6" depths

### Multi-Pleat XL11

The Koch **Multi-Pleat XL11** is a medium efficiency extended surface pleated panel filter, engineered to provide higher initial efficiencies and better overall performance than standard pleated filters.

The **Multi-Pleat XL11** carries a MERV 11 fractional efficiency rating in accordance with ASHRAE Test Standard 52.2. The filter will also provide an Initial Dust Spot Efficiency of 45%, and an Average Dust Spot Efficiency of 55-60% in accordance with ASRAE Rest Standard 52.1.

The MERV 11 efficiency ratings provided by the **Multi-Pleat XL11** make the filter an excellent upgrade from disposable filters and ordinary pleated filters in applications such as hospitals, laboratories and pharmaceutical

### Multi-Pleat XL11 Construction

The **Multi-Pleat XL11** is produced with a highly specialized, dual-layered 100% synthetic media, developed by Koch Filter specifically for use in extended surface air filters. The new media is composed of an upstream electrostatically enhanced layer (the E-layer), and a downstream mechanical layer (the M-layer). The dual-layered construction of Multi-Pleat Series XL11 overcomes a common problem found in single-layered electrostatically charged filters. In filters produced with single-layered media, the effectiveness of the electrostatically charged media decreases over time as the filter becomes dirty and the charge dissipates. As the effectiveness of the electrostatically enhanced E-layers decreases, the downstream mechanical M-layer takes over.

### Two Media Area Capacity Levels

Standard Capacity **XL11-SC** filters provide a combination of efficiency, economy, and excellent overall performance. Standard Capacity XL8 filters are an excellent choice in applications where filter change schedules are based on preventive maintenance schedules.

High Capacity **X11-HC** filters are similar in construction to the Standard Capacity **XL11-SC** filters but have the added advantage of approximately 30% more media. The additional media results in extended filter life, making the XL8-HC the ideal filter for use in filtration systems where filter change schedules are predicated on recommended final pressure drop readings.

Nominal Size	Actual Size	Capacity (CFM)			Standard Capacity			Media Area	High Capacity			Media Area
		@300	@500	@625	@300 FPM	@500 FPM	@625 FPM		@300 FPM	@500 FPM	@625 FPM	
10x20x1	9.50 x 19.50 x .75	425	700	NR	0.16	0.37	NR	2.2	0.15	0.34	NR	3.2
12x24x1	11.38 x 23.38 x .75	600	1000	NR	0.16	0.37	NR	3.2	0.15	0.34	NR	4.6
14x20x1	13.50 x 19.50 x .75	590	980	NR	0.16	0.37	NR	3.1	0.15	0.34	NR	4.5
14x25x1	13.50 x 24.50 x .75	730	1215	NR	0.16	0.37	NR	3.9	0.15	0.34	NR	5.6
15x20x1	14.50 x 19.50 x .75	625	1050	NR	0.16	0.37	NR	3.3	0.15	0.34	NR	4.8
16x20x1	15.50 x 19.50 x .75	670	1115	NR	0.16	0.37	NR	3.6	0.15	0.34	NR	5.1
16x25x1	15.50 x 24.50 x .75	840	1400	NR	0.16	0.37	NR	4.5	0.15	0.34	NR	6.4
20x20x1	19.50 x 19.50 x .75	840	1400	NR	0.16	0.37	NR	4.5	0.15	0.34	NR	6.4
20x25x1	19.50 x 24.50 x .75	1050	1740	NR	0.16	0.37	NR	5.6	0.15	0.34	NR	8.0
24x24x1	23.38 x 23.38 x .75	1200	2000	NR	0.16	0.37	NR	6.4	0.15	0.34	NR	9.2
12x24x2	11.38 x 23.38 x 1.75	600	1000	1250	0.14	0.31	0.51	6.2	0.13	0.28	0.49	9.2
14x20x2	13.50 x 19.50 x 1.75	590	980	1215	0.14	0.31	0.51	6.1	0.13	0.28	0.49	8.9
14x25x2	13.50 x 24.50 x 1.75	730	1215	1520	0.14	0.31	0.51	7.5	0.13	0.28	0.49	12.0
15x20x2	14.50 x 19.50 x 1.75	625	1050	1310	0.14	0.31	0.51	6.5	0.13	0.28	0.49	9.6
16x20x2	15.50 x 19.50 x 1.75	670	1115	1400	0.14	0.31	0.51	6.8	0.13	0.28	0.49	10.2
16x25x2	15.50 x 24.50 x 1.75	840	1400	1740	0.14	0.31	0.51	8.7	0.13	0.28	0.49	12.8
18x24x2	17.50 x 23.50 x 1.75	900	1500	1875	0.14	0.31	0.51	9.3	0.13	0.28	0.49	13.8
20x20x2	19.50 x 19.50 x 1.75	840	1400	1740	0.14	0.31	0.51	8.7	0.13	0.28	0.49	12.8
20x24x2	19.50 x 23.50 x 1.75	1000	1675	2100	0.14	0.31	0.51	10.3	0.13	0.28	0.49	15.3
20x25x2	19.50 x 24.50 x 1.75	1050	1740	2170	0.14	0.31	0.51	10.8	0.13	0.28	0.49	16.0
24x24x2	23.38 x 23.38 x 1.75	1200	2000	2500	0.14	0.31	0.51	12.4	0.13	0.28	0.49	18.4
25x25x2	24.50 x 24.50 x 1.75	1310	2170	2720	0.14	0.31	0.51	13.5	0.13	0.28	0.49	20.0
12x24x4	11.38 x 23.38 x 3.75	600	1000	1250	0.13	0.29	0.45	11.6	0.12	0.27	0.43	14.0
16x20x4	15.50 x 19.50 x 3.75	670	1115	1400	0.13	0.29	0.45	12.9	0.12	0.27	0.43	15.6
18x24x4	17.50 x 23.38 x 3.75	900	1500	1875	0.13	0.29	0.45	17.4	0.12	0.27	0.43	21.0
20x20x4	19.50 x 19.50 x 3.75	840	1400	1740	0.13	0.29	0.45	16.1	0.12	0.27	0.43	19.4
20x24x4	19.50 x 23.38 x 3.75	1000	1675	2100	0.13	0.29	0.45	19.3	0.12	0.27	0.43	24.0
20x25x4	19.50 x 24.50 x 3.75	1050	1740	2170	0.13	0.29	0.45	20.1	0.12	0.27	0.43	24.3
24x24x4	23.38 x 23.38 x 3.75	1200	2000	2500	0.13	0.29	0.45	23.2	0.12	0.27	0.43	28.0
24x24x6	23.38 x 23.38 x 5.75	1200	2000	2500	0.14	0.30	0.43	23.2	0.12	0.28	0.41	45.2

Notes:

- MERV (Minimum Efficiency Reporting Value) • Recommended Final Pressure Drop is 1.0" w.g.
- Performance data is based on ASHRAE Test Standards 52.2-2012. • Recommended maximum continuous operational temperature is 200° F.



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