



Koch Filter Corporation
Filtration Products Crafted with Pride

OdorKleen ES™

Extended Surface Carbon/Particulate Filter



- **High odor absorption**
- **Impregnated carbon media**
- **MERV 8**
- **Extended lifecycle between filter changes**
- **1", 2", and 4" thickness**

The Koch **OdorKleen ES** is MERV 8 extended surface pleated panel which offers a unique combination of particulate filtration and odor removal in a totally disposable unit.

OdorKleen Construction

The filter media utilized in **OdorKleen ES** panels is a dual purpose multi-layer product, designed to collect airborne particulate and remove odors and other gasses from the air stream.

100% mechanical media provides high efficiency, excellent dust holding capacity throughout the filter's lifecycle with a MERV 8 performance rating before and after conditioning steps when tested in accordance to ASHRAE Test Standard 52.2-2007. The upstream layer provides an efficiency rating of 70% for 3 to 10 micrometers. The downstream odor removal layer is impregnated with carbon media for absorption of volatile organic compounds (VOC's) from the air stream. This carbon media carries a minimum activation of 60%, insuring high odor absorption efficiency, and extended lifecycles between filter changes.

The two-ply media element is pleated and supported by a rugged, rustproof expanded metal grid. This extended surface configuration provides high dust holding capacity and excellent performance capabilities in a wide variety of applications.

The enclosure frame utilized in **OdorKleen ES** filters is a rigid, high wet-strength beverage board. This ultra-tough frame makes the OdorKleen ideal for use in nearly any application, especially in systems where high moisture levels have rendered standard air filters ineffective.

The OdorKleen ES can be used in several types of applications to remove odor and particulates in a wide variety of installations, with light to moderate contaminate levels:

- **Commercial Office Buildings**
- **Sports Arenas**
- **Schools**
- **Industrial Plants**
- **Airports**
- **Hospitals**
- **Painting Facilities**
- **Smoking Lounges**

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

Bulletin No. K-693A



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Performance Data

Product Code	Nominal Size	Actual Size	Rated Capacity(CFM)		Initial Resistance	
			300 FPM	500 FPM	300 FPM	500 FPM
102-790-001	10X20X1	9 1/2 x 19 1/2 x 3/4	425	700	0.37	0.76
102-790-002	12X24X1	11 3/8 x 23 3/8 x 3/4	600	1000	0.37	0.76
102-790-003	14X20X1	13 1/2 x 19 1/2 x 3/4	590	980	0.37	0.76
102-790-004	14X25X1	13 1/2 x 24 1/2 x 3/4	730	1215	0.37	0.76
102-790-005	15X20X1	14 1/2 x 19 1/2 x 3/4	625	1050	0.37	0.76
102-790-006	16X20X1	15 1/2 x 19 1/2 x 3/4	670	1115	0.37	0.76
102-790-007	16X25X1	15 1/2 x 24 1/2 x 3/4	840	1400	0.37	0.76
102-790-008	20X20X1	19 1/2 x 19 1/2 x 3/4	840	1400	0.37	0.76
102-790-009	20X25X1	19 1/2 x 24 1/2 x 3/4	1050	1740	0.37	0.76
102-790-010	24X24X1	23 3/8 x 23 3/8 x 3/4	1200	2000	0.37	0.76
102-790-011	10X20X2	9 1/2 x 19 1/2 x 1 3/4	425	700	0.23	0.47
102-790-012	12X24X2	11 3/8 x 24 3/8 x 1 3/4	600	1000	0.23	0.47
102-790-013	14X20X2	13 1/2 x 19 1/2 x 1 3/4	590	980	0.23	0.47
102-790-014	14X25X2	13 1/2 x 24 1/2 x 1 3/4	730	1215	0.23	0.47
102-790-015	15X20X2	14 1/2 x 19 1/2 x 1 3/4	625	1050	0.23	0.47
102-790-016	16X20X2	15 1/2 x 19 1/2 x 1 3/4	670	1115	0.23	0.47
102-790-017	16X25X2	15 1/2 x 24 1/2 x 1 3/4	840	1400	0.23	0.47
102-790-018	18X24X2	17 1/2 x 23 1/2 x 1 3/4	900	1500	0.23	0.47
102-790-019	20X20X2	19 1/2 x 19 1/2 x 1 3/4	840	1400	0.23	0.47
102-790-020	20X24X2	19 1/2 x 23 1/2 x 1 3/4	1000	1675	0.23	0.47
102-790-021	20X25X2	19 1/2 x 24 1/2 x 1 3/4	1050	1740	0.23	0.47
102-790-022	24X24X2	23 3/8 x 23 3/8 x 1 3/4	1200	2000	0.23	0.47
102-790-023	12X24X4	11 3/8 x 23 3/8 x 3 3/4	600	1000	0.17	0.39
102-790-025	16X20X4	15 1/2 x 19 1/2 x 3 3/4	670	1115	0.17	0.39
102-790-026	16X25X4	15 1/2 x 24 1/2 x 3 3/4	840	1400	0.17	0.39
102-790-027	18X24X4	17 1/2 x 23 3/8 x 3 3/4	900	1500	0.17	0.39
102-790-028	20X20X4	19 1/2 x 19 1/2 x 3 3/4	840	1400	0.17	0.39
102-790-029	20X24X4	19 1/2 x 23 3/8 x 3 3/4	1000	1675	0.17	0.39
102-790-030	20X25X4	19 1/2 x 24 1/2 x 3 3/4	1050	1740	0.17	0.39
102-790-031	24X24X4	23 3/8 x 23 3/8 x 3 3/4	1200	2000	0.17	0.39

Additional Product Information:

1. Recommended Final Pressure Drop is 1.0 inches w.g.
2. OdorKleen ES filters are Underwriters' Laboratories Class 2 listed according to UL Standard 900.
3. OdorKleen ES filters are designed for continuous operating temperatures up to 120° F (49°C).

Corporate Offices

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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.**