

OdorKleen™ ES

Extended Surface Carbon/
Particulate Filter



Features

- High odor absorption
- Impregnated carbon media
- MERV 8 performance rating
- 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
- Airports
- Sports Arenas
- Hospitals
- Schools
- Painting Facilities
- Industrial Plants
- Smoking Lounges

| Nominal Size | Actual Size | Capacity (CFM) | | Initial Resistance | |
|--------------|----------------------|----------------|-----------|--------------------|----------|
| | | @300 FPM | @ 500 FPM | @ 300 FPM | @500 FPM |
| 10X20X1 | 9.50 x 19.50 x .75 | 425 | 700 | 0.37 | 0.76 |
| 12X24X1 | 11.38 x 23.38 x .75 | 600 | 1000 | 0.37 | 0.76 |
| 14X20X1 | 13.50 x 19.50 x .75 | 590 | 980 | 0.37 | 0.76 |
| 14X25X1 | 13.50 x 24.50 x .75 | 730 | 1215 | 0.37 | 0.76 |
| 15X20X1 | 14.50 x 19.50 x .75 | 625 | 1050 | 0.37 | 0.76 |
| 16X20X1 | 15.50 x 19.50 x .75 | 670 | 1115 | 0.37 | 0.76 |
| 16X25X1 | 15.50 x 24.50 x .75 | 840 | 1400 | 0.37 | 0.76 |
| 20X20X1 | 19.50 x 19.50 x .75 | 840 | 1400 | 0.37 | 0.76 |
| 20X25X1 | 19.50 x 24.50 x .75 | 1050 | 1740 | 0.37 | 0.76 |
| 24X24X1 | 23.38 x 23.38 x .75 | 1200 | 2000 | 0.37 | 0.76 |
| 10X20X2 | 9.50 x 19.50 x 1.75 | 425 | 700 | 0.23 | 0.47 |
| 12X24X2 | 11.38 x 24.38 x 1.75 | 600 | 1000 | 0.23 | 0.47 |
| 14X20X2 | 13.50 x 19.50 x 1.75 | 590 | 980 | 0.23 | 0.47 |
| 14X25X2 | 13.50 x 24.50 x 1.75 | 730 | 1215 | 0.23 | 0.47 |
| 15X20X2 | 14.50 x 19.50 x 1.75 | 625 | 1050 | 0.23 | 0.47 |
| 16X20X2 | 15.50 x 19.50 x 1.75 | 670 | 1115 | 0.23 | 0.47 |
| 16X25X2 | 15.50 x 24.50 x 1.75 | 840 | 1400 | 0.23 | 0.47 |
| 18X24X2 | 17.50 x 23.50 x 1.75 | 900 | 1500 | 0.23 | 0.47 |
| 20X20X2 | 19.50 x 19.50 x 1.75 | 840 | 1400 | 0.23 | 0.47 |
| 20X24X2 | 19.50 x 23.50 x 1.75 | 1000 | 1675 | 0.23 | 0.47 |
| 20X25X2 | 19.50 x 24.50 x 1.75 | 1050 | 1740 | 0.23 | 0.47 |
| 24X24X2 | 23.38 x 23.38 x 1.75 | 1200 | 2000 | 0.23 | 0.47 |
| 12X24X4 | 11.38 x 23.38 x 3.75 | 600 | 1000 | 0.17 | 0.39 |
| 16X20X4 | 15.50 x 19.50 x 3.75 | 670 | 1115 | 0.17 | 0.39 |
| 16X25X4 | 15.50 x 24.50 x 3.75 | 840 | 1400 | 0.17 | 0.39 |
| 18X24X4 | 17.50 x 23.38 x 3.75 | 900 | 1500 | 0.17 | 0.39 |
| 20X20X4 | 19.50 x 19.50 x 3.75 | 840 | 1400 | 0.17 | 0.39 |
| 20X24X4 | 19.50 x 23.38 x 3.75 | 1000 | 1675 | 0.17 | 0.39 |
| 20X25X4 | 19.50 x 24.50 x 3.75 | 1050 | 1740 | 0.17 | 0.39 |
| 24X24X4 | 23.38 x 23.38 x 3.75 | 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).



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PURE PERFORMANCE

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