

Oily Air and Odor Removal Filters

MYCELX Air Filters

Specifications

Filtration Media Material of Construction: Synthetic Dual-Layered Media with MYCELX Proprietary Chemistry

MERV Efficiency Rating: **MERV 11**

Max Operating Temperature: 200°F (93°C)

Nominal Operating Pressure: **0.1" WC**

Max Operating Pressure: **1.0" WC**

Typical Flow Capacities: 800 - 1200 cfm per 24" x 24" filter @ 0.1 W.G.



Comparison to Standard Air and Vapor Phase Adsorbent Filters	MYCELX Air Filters - HVAC	MYCELX HEPA Filters	Standard HVAC Air Filters	Standard HEPA Filters	Vapor Phase Adsorbents
Initial Oil Removal Efficiency	99%	99%	5 - 60%	99%	5 - 60%
Average Oil Removal Efficiency - More than One Month in Operation	95 - 99%	99%	0 - 30%	40 - 45%	0 - 5%
Average Oil and Hydrocarbon Odor Removal Efficiency	>85%	>85%	0 - 10%	10%	15%
Pressure Drop	0.1″	0.1″	0.1″	0.1″	0.1″
Cost to Remove 1 gm of Contaminants to 99.9% without Re-releasing	\$1 - \$7	\$1 - \$3	\$25 - \$30	\$4 - \$8	\$20 - \$100

Key Benefits

Removes oil, VOCs, hydrocarbon odors and particulate emissions. Upgrade existing air handling devices without any capital cost increase. Permanent immobilization of the oil in the MYCELX cartridge. No desorption. More contaminant removal capacity and efficiency than standard filters at the same pressure drop. Four times lower operating and maintenance cost than standard air filters and adsorbents to remove one pound of contaminants.

Unlike standard filters, MYCELX OA filters doesn't cause or promote biological growth. Lower energy costs due to reduction or elimination of downstream oil fouling in air handling and HVAC equipment.

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MYCELX Air Filters

OA PART NUMBERS or eave Part # OR Enter Blank -HC Part Number Standard Capacity **High Capacity** Nominal Size Actual Size Media Area (sq. ft.) Media Area (sq. ft.) (Inches) (Inches) 10 x 20 x 1 9-7/8 x 19-7/8 x 7/8 OA1-1020 2.2 3.2 OA1-1224 3.2 4.6 12 x 24 x 1 11-3/8 x 23-3/8 x 7/8 OA1-1420 3.1 4.5 14 x 20 x 1 13-7/8 x 19-7/8 x 7/8 OA1-1425 3.9 5.6 14 x 25 x 1 13-7/8 x 24-7/8 x 7/8 OA1-1520 3.3 4.8 15 x 20 x 1 14-7/8 x 19-7/8 x 7/8 OA1-1620 3.6 5.1 16 x 20 x 1 15-1/2 x 19-1/2 x 7/8 OA1-1625 4.5 6.4 16 x 25 x 1 15-1/2 x 24-1/2 x 7/8 OA1-2020 20 x 20 x 1 4.5 6.4 19-1/2 x 19-1/2 x 7/8 OA1-2025 5.6 8.0 20 x 25 x 1 19-1/2 x 24-1/2 x 7/8 OA1-2424 6.4 9.2 24 x 24 x 1 23-3/8 x 23-3/8 x 7/8 6.2 9.2 OA2-1224 12 x 24 x 2 11-3/8 x 23-3/8 x 1-3/4 OA2-1420 6.1 8.9 14 x 20 x 2 13-3/4 x 19-3/4 x 1-3/4 7.5 12.0 OA2-1425 14 x 25 x 2 13-3/4 x 24-3/4 x 1-3/4 OA2-1520 6.5 9.6 15 x 20 x 2 14-3/4 x 19-3/4 x 1-3/4 OA2-1620 6.8 10.2 16 x 20 x 2 15-1/2 x 19-1/2 x 1-3/4 16 x 25 x 2 OA2-1625 8.7 12.8 15-1/2 x 24-1/2 x 1-3/4 OA2-1824 9.3 13.8 18 x 24 x 2 17-1/2 x 23-1/2 x 1-3/4 OA2-2020 8.7 12.8 20 x 20 x 2 19-1/2 x 19-1/2 x 1-3/4 OA2-2024 10.3 15.3 20 x 24 x 2 19-1/2 x 23-1/2 x 1-3/4 OA2-2025 10.8 16.0 20 x 25 x 2 19-1/2 x 24-1/2 x 1-3/4 OA2-2424 12.4 18.4 24 x 24 x 2 23-3/8 x 23-3/8 x 1-3/4 OA2-2525 13.5 20.0 25 x 25 x 2 24-3/8 x 24-3/8 x 1-3/4 OA4-1224 11.6 14.0 12 x 24 x 4 11-3/8 x 23-3/8 x 3-3/4 OA4-1620 12.9 15.6 16 x 20 x 4 15-1/2 x 19-1/2 x 3-3/4 OA4-1824 17.4 21.0 18 x 24 x 4 17-1/2 x 23-3/8 x 3-3/4 OA4-2020 16.1 19.4 20 x 20 x 4 19-1/2 x 19-1/2 x 3-3/4 OA4-2024 19.3 24.0 20 x 24 x 4 19-1/2 x 23-3/8 x 3-3/4 OA4-2025 20.1 24.3 20 x 25 x 4 19-1/2 x 24-1/2 x 3-3/4 23.2 OA4-2424 28.0 24 x 24 x 4 23-3/8 x 23-3/8 x 3-3/4

Part Number Examples:

OA2-1425 (14 x 25 x 2 Standard OA Filter) OA2-1425-HC (14 x 25 x 2 High Capacity OA Filter)

OA4-2024-HC (20 x 24 x Standard OA Filter)

OA