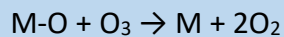
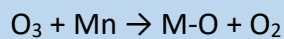




FILTERING SYSTEM

OZONE CARTRIDGE

The Honeycomb Ozone Filter is constructed from aluminium honeycomb covered with a manganese catalyst. Thanks to its honeycomb shape, the cartridge exhibits a very low pressure drop. Ozone is removed from the air in two chemical steps:



The ozone cartridge has a standard size for use in our filtering unit: 150 mm x 200 mm x 50 mm. It can be used in conjunction with a second Ozone cartridge, a Dust (HEPA) cartridge, or an Activated Carbon cartridge.

Removal efficiency rate for single pass:

Standard Ozone cartridge (46 mm thick) with initial concentration 1 ppm, airflow speed: 1m/s **97%**

Double standard Ozone cartridges (2x 46 mm thick) with initial concentration 1 ppm, airflow speed: 1m/s **99.5%**

Ozone, a common air pollutant, poses a significant threat to museum artifacts. High ozone levels can lead to accelerated deterioration and irreversible damage to delicate materials, including paper, textiles, and certain metals. Our advanced air filtration systems, equipped with ozone filters, play a crucial role in preserving the integrity of these precious artifacts. Invest in proactive conservation measures to safeguard your cultural heritage for generations to come.

For more information about our filtration system, please visit our download page:

<https://www.preservatech.com/downloads>