

NoZone™ Ozone Scrubber

Maintains Low Ozone Levels Within Sealed Workspaces

Principle of Operation

The NoZone™ Ozone Scrubber operates by forcing room air through a bed of proprietary catalyst that converts ozone (O₃) into oxygen (O₂) and carbon dioxide (CO₂). Any dust and other particles in the ozone depleted air that emerge from the catalyst cartridge is then removed by a HEPA filter before exiting the unit. Under normal atmospheric conditions of temperature, humidity and ozone levels, the catalyst used in the scrubber need not be regenerated or replaced during the lifetime of the unit.

Using the NoZone Ozone Scrubber

The NoZone Ozone Scrubber balances flow rate and ozone destruction efficiency to maintain ozone levels below 5 parts per billion (ppb) within the NoZone Enclosure (Cat. #1090-10-1) or other similarly sealed volume of 20 cubic feet or less. It should be set up to operate externally to the enclosure with ozone depleted, filtered air being continuously pumped from the scrubber into one side of the space with an exit port opposite. The scrubber comes equipped with ducting and clamps to ensure a tight seal with the air flow vent on the enclosure.

Ozone levels within the enclosure should be periodically checked with a sensitive (ppb) ozone monitor. SciGene offers a high performance ozone analyzer for short-term rental (Cat. #1090-40-1) for this purpose.

Ordering Information

Catalog No.	Description	UoM
1090-20-1	NoZone Ozone Scrubber, 120V.	EA
1090-20-2	NoZone Ozone Scrubber, 220V	EA

Specifications

Dimensions	(HxWxD) 22x5x5 inches (54x13x13 cm)
Weight	
Net	8 lbs (4 kg)
Gross	15 lbs (7 kg), in shipping container
Power	120V AC, 50/60 Hz, 40W 220V AC, 50/60 Hz, 40W
Fuse	1.5 amp
Flow Rate	25 to 30 cubic feet per minute

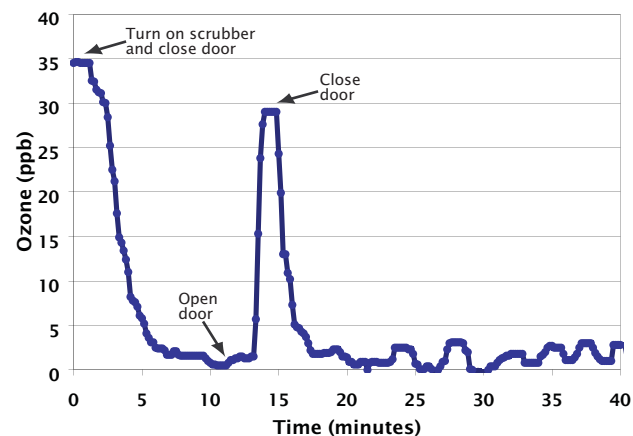


The NoZone Ozone Scrubber maintains ozone levels below 5 ppb within the NoZone Enclosure for reliable and safe microarray processing.

Quickly Achieve and Maintain Low Ozone Levels

The NoZone Ozone Scrubber quickly achieves and maintains low (< 5 ppb) ozone levels within the NoZone Enclosure, even during periods of high (75 to 100 ppb) laboratory ozone.

The ozone-safe environment created by the scrubber can be used for operating microarray processing and scanning equipment and for storing arrays. The scrubber also works as part of the The BriteSpot™ Workstation (Cat. #1099-00-1) to reliably perform incubation, washing and drying of microarrays in an ozone-safe environment.



The NoZone Ozone Scrubber quickly reduces ozone levels to under 5 ppb inside the NoZone Enclosure.