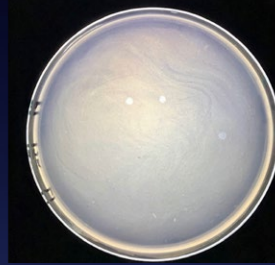


MS-2 Pfu at 0 time



MS-2 Pfu at 15 min

## LMS TECHNOLOGIES FORCED AIR RECIRCULATING TEST OF PREMIERONE UV UNITS.

**98.6% OF VIRUS IN TEST ROOM WAS KILLED IN 15 MIN RUN.**

The PremierOne units were installed in a 16 X 20 air duct. The test room was 4000 cubic feet equivalent to approximately a 500 square foot room. Air was circulated through a test room. Within just 2 1/2 air exchanges 98.6% of the air born viruses in the room were inactivated in 15 minutes with our MUV7-100DR dual lamp unit.

Our units purify the air in the ductwork of the forced air system, not in the living space of a building.

Date	Device Tested	% of Virus Inactivated	Air exchanges	Chamber Size
8/ 2 /2021	MUV-7-100DR-16	98.6%	2.5	4000 cubic feet



MUV7-100DR



### Equipment

- 4000 ft3 Stainless-Steel Test Chamber SKC
- BioStage Single-Stage Impactors TSI
- Scanning Mobility Particle Sizer (SMPS) 3938

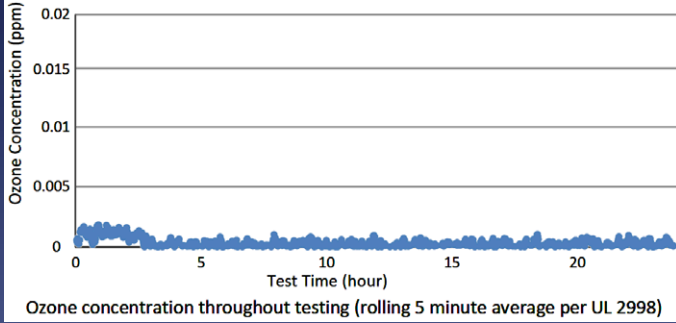
# PREMIERONE UVC OZONE EMISSIONS TEST TO UL 2998 STANDARD

## OUR GERMICIDAL 254NM UNITS ARE OZONE-FREE

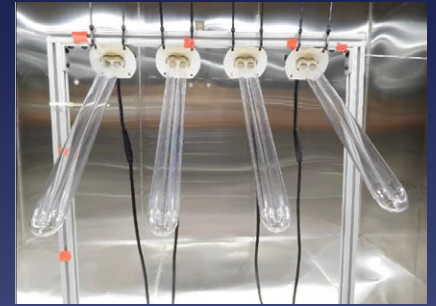
In-Duct Ozone Testing of the In-duct Air Cleaner Model MUV7-200QR-16"

The above referenced product(s.) were evaluated to requirements contained in the following standards: UL 867 Electrostatic Air Cleaners section 40: Ozone test and UL 2998 ozone emission standard.

MUV7-200QR tested less than 0.003 PPM in an average 8 hour run time. This means our germicidal-only units are virtually ozone-free.



MUV7-200QR-16



Photograph of sample under testing.

Table 4: Max Ozone Test

	UL Ref.	Pass/Fail	Mean	Min	Max	Delta	Units
Background C(t):	40.4.3	Pass	< 0.003	< 0.003	< 0.003	0.002	ppm
Test 1 min C(t):	40.1.2	Pass	< 0.003	< 0.003	< 0.003	< 0.001	ppm
Test 5 min C(t):	40.1.2	Pass	< 0.003	< 0.003	< 0.003	< 0.001	ppm
Chamber Supply Air Flow:	-	-	583	-	-	-	lpm
Required to test 2 <sup>nd</sup> sample:	40.1.2	No	-	-	-	-	-
Test Duration:	*40.4.6	24	-	-	-	-	h



MUV7-50PS



MUV7-100DR

## BLUE HEAVEN TECHNOLOGIES CALIFORNIA CARB TEST FOR OZONE EMISSIONS OF PREMIERONE UV UNITS. OUR UNITS WITH ADJUSTABLE ODOR CONTROL PASSED THE TEST WITH EASE

In-Duct Ozone Testing of the In-duct Air Cleaner Model MUV7-50DR 12"

The above referenced product(s.) were evaluated to requirements contained in the following standards: CSA C22.2 No. 187:20, Electrostatic air cleaners, Section 7.6



MUV7-50DR tested 0.005492 PPM in an average 8 hour run time with a maximum ozone reading over 8 hours of 0.00620 PPM.

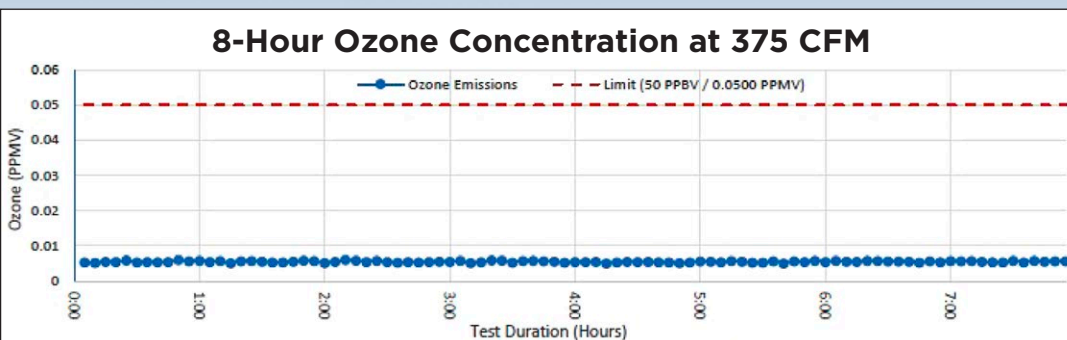
This is far below the maximum allowed of 0.0500 PPM.

### CARB TEST OF THE IN-DUCT AIR CLEANER MODEL MUV7-50DR 12"

July 22, 2021 8-Hour Ozone Emissions Test Test performed by Blue Heaven Technologies LLC.

	0.00193 PPM	Maximum Allowed	Pass/Fail
Average 8-Hour Background Concentration	0.00193 PPM	Maximum Allowed	Pass/Fail
Average 8-Hour Downstream Concentration	0.00743 PPM	0.0500 PPM	PASS
Average 8-Hour Time Weighted Average (TWA) Ozone Concentration	0.005492	0.0500 PPM	PASS
Maximum Ozone Reading over 8-Hour Testing	0.006020	0.0500 PPM	PASS

For a more detailed explanation please email support@premieroneproducts.com



MUV7-50DR