



2820 S. English Station Road - Louisville, KY 40299  
Phone: (502) 357-0132

TEST NO. 23-335-1B

## Test Report - Ozone Emissions - High Flow Rate

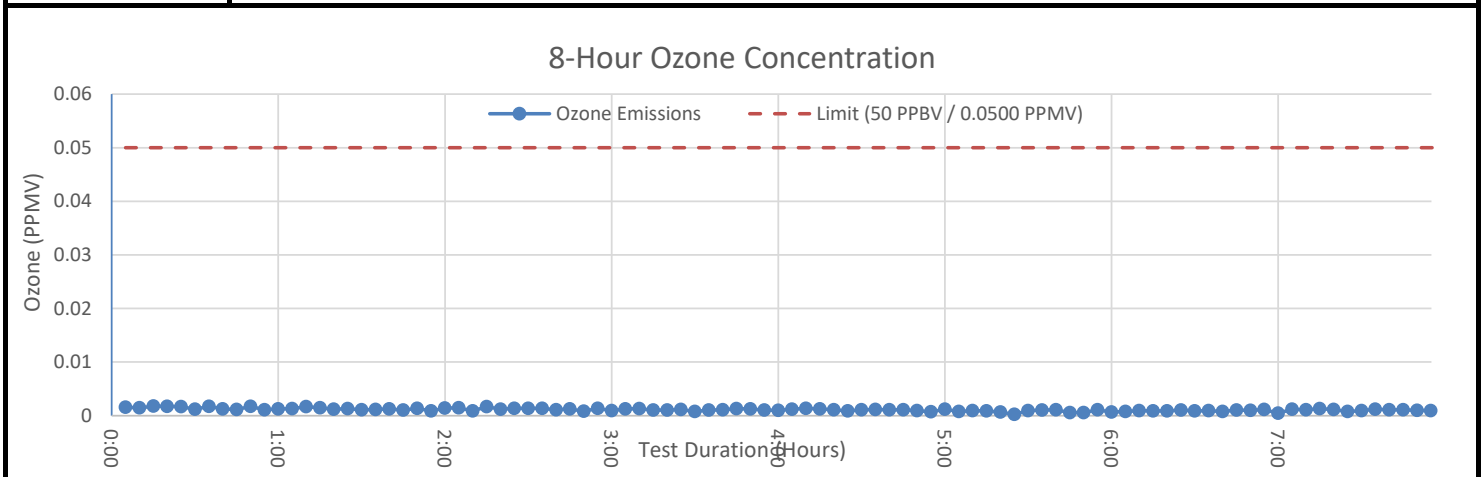
CSA Group - C22.2 No.187-20 - Section 7.5

Electrostatic In Duct Type Air Cleaners for Residential Use

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<b>Test Unit Description</b>	Customer: <u>PuriFiLabs</u>	NOTES: Unit was mounted to the side of a 24" x 24" duct section using the
	Manufacturer: <u>PuriFiLabs</u>	equipment supplied by the manufacturer.
	Model No.: <u>PuriFi HC</u>	Run in Start: <u>7/6/2023 8:00</u> Run in End: <u>7/6/2023 8:30</u>
	Serial Number: <u>HC-IAI-2000</u>	
The unit was tested at two flow rates. Low: 375 CFM and High: 2000 CFM. This report details performance at High flow.		
The unit was inserted into the side of the 24" X 24" duct just behind the upstream sample probe.		

<b>8-Hour Ozone Emissions Test Results</b>	Test Date: <u>7/6/2023 - 7/7/23</u>	Start Time: <u>7/6/2023 17:00</u>	End Time: <u>7/7/2023 3:00</u>	
	Average 8-Hr Background Concentration: <u>0.000 PPM</u>	Maximum Allowed	PASS / FAIL	
	Average 8-Hr Downstream Concentration: <u>0.001 PPM</u>			
	<b>Average 8 Hour Time Weighted Average (TWA) Ozone Concentration:</b>	<b>0.001 PPM</b>	<b>0.050 PPM</b>	<b>PASS</b>
	<b>Maximum Ozone Reading over 8-Hour Testing:</b>	<b>0.002 PPM</b>	<b>0.050 PPM</b>	<b>PASS</b>



	Model	Serial Number	Range
Upstream Ozone Analyzer:	2B Technologies Model: 205	2332DB	0.0000 - 0.1500 PPMV
Downstream Ozone Analyzer:	2B Technologies Model: 206	2331DB	0.0000 - 0.1500 PPMV
Temperature:	EE21FT2B51HC01/E01-T83	123501000187	-40 - 140 Degrees F
Humidity:	EE21FT2B51HC01/E01-T83	123501000187	0 - 100 %
Data Recorder:	Yokogawa DX 1012-1-4-2	S5G508901	10 Channel Recorder
Watt Transducer:	Ohio Semitronics, Inc. AGH-002E	20100694	0-1000 Watts

<b>Test Conditions</b>	Unit was tested in a complete ASHRAE 52.2 Test Duct. Flow Rate was maintained at 2000 CFM over the 8-hour test period. Test unit was inserted into the side of the 24" X 24" test duct.
	All unit emissions were contained inside the test duct. Unit was operated on its maximum setting.
	Average Test Flow Rate: <u>1,998.34 CFM</u>
	Average Test Temperature: <u>76.7 Deg F</u> Average Test Rel. Humidity: <u>48.7 %</u>

<b>Requester Information</b>	Test Requestor: <u>Gus Warnholtz</u>	Phone: <u>480-544-7778</u>
	Company Name: <u>PuriFiLabs</u>	Email: <u>gwarnholtz@purifilabs.com</u>
	Company Address: <u>N/A</u>	Date Requested: <u>6/19/2023</u>
<b>Test Operator Information</b>	Test Performed by: <u>T Shoulders CAFS</u>	Reviewed by: _____
		Completion Date: <u>7/11/2023</u>

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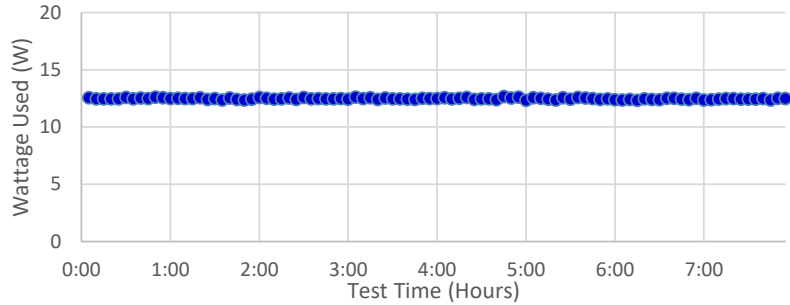
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### Device Energy Usage

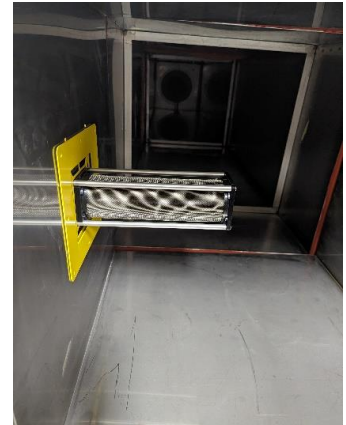
Average Input Wattage **12.464 W**

Input Voltage **115 VAC**

Unit was plugged into 115 VAC Watt Meter for duration of test.



### Overall Unit View



### Photos

### Serial Number



### Requester Information

Test Requestor: Gus Warnholtz  
Company Name: PuriFiLABs  
Company Address: N/A

Phone: 480-544-7778  
Email: qwarnholtz@purifilabs.com  
Date Requested: 6/19/2023

### Test Operator Information

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