



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

TEST NO. 23-335-1A

Test Report - Ozone Emissions - Low Flow Rate

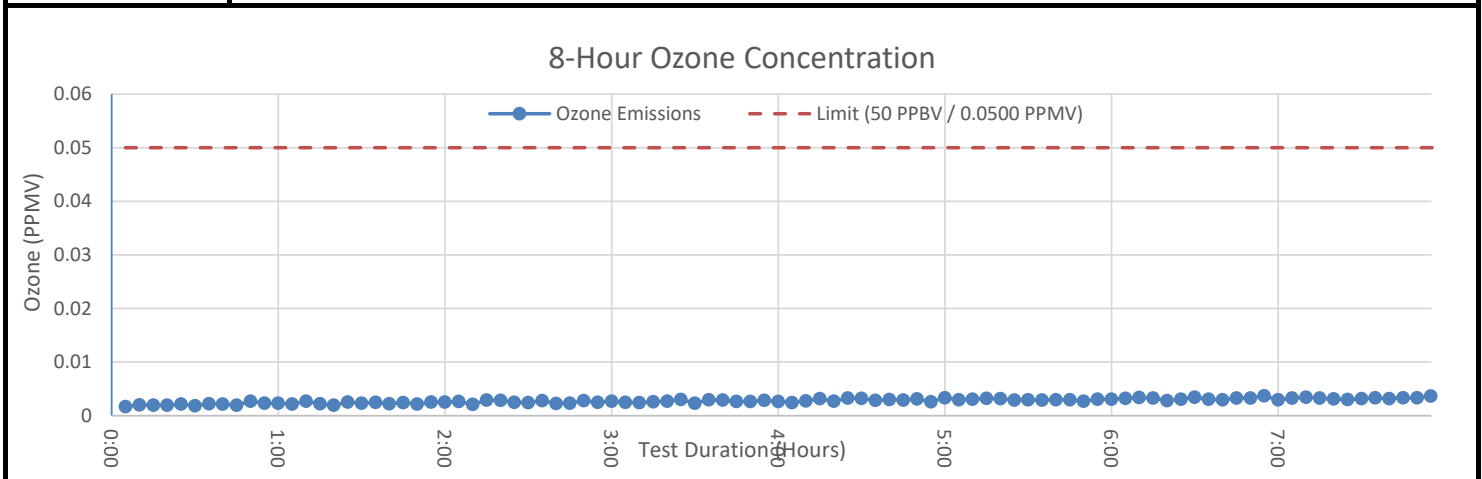
CSA Group - C22.2 No.187-20 - Section 7.5

Electrostatic In Duct Type Air Cleaners for Residential Use

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Test Unit Description	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 low flow.		
The unit was inserted into the side of the 24" X 24" duct just behind the upstream sample probe.		

8-Hour Ozone Emissions Test Results	Test Date: <u>7/6/2023</u>	Start Time: <u>7/6/2023 8:30</u>	End Time: <u>7/6/2023 16:30</u>	
	Average 8-Hr Background Concentration: <u>0.000 PPM</u>	Maximum Allowed	PASS / FAIL	
	Average 8-Hr Downstream Concentration: <u>0.003 PPM</u>			
	Average 8 Hour Time Weighted Average (TWA) Ozone Concentration:	0.003 PPM	0.050 PPM	PASS
	Maximum Ozone Reading over 8-Hour Testing:	0.004 PPM	0.050 PPM	PASS



	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

Test Conditions	Unit was tested in a complete ASHRAE 52.2 Test Duct. Flow Rate was maintained at 375 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>375.03 CFM</u>
	Average Test Temperature: <u>76.9 Deg F</u> Average Test Rel. Humidity: <u>49.4 %</u>

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

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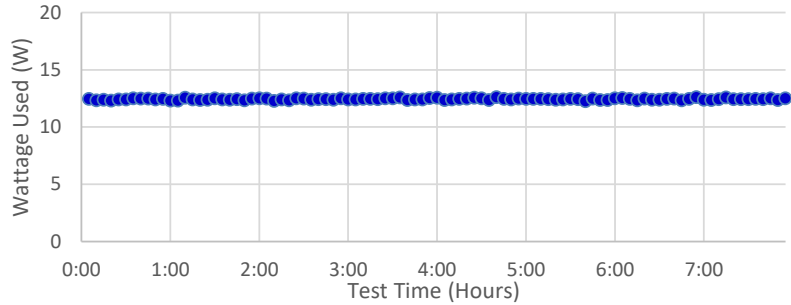
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Device Energy Usage

Average Input Wattage **12.429 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
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