Number of pages in this package 18 **[** including additional pages ____ **]**
(Fill in when using printed copy as record)

CLIENT INFORMATION	
Company Name	Agentis Air, LLC
Address	500 Fifth Ave South Suite 524 Naples, FL, 34102, US

AUDIT INFORMATION:		
Description of Tests Per Standard Number and Edition/ Revision Date	UL 867, Electrostatic Air Cleaners, Edition 5, Revision Date 08/16/2021	
	CSA C22.2 No. 187, Electrostatic Air Cleaners, Edition 5, Issue Date 01/2020	
[x**]** Tests Conducted by[1]	William He	
[ ] UL Staff supervising UL Staff in training		
[ ] UL Staff conducting or witnessing testing (WTDP, CTF Stage 1 or 2 only and Stage 3 or 4 as applicable)	My printed name is my declaration that all results recorded in this datasheet package are factual and accurate, and that I was present during the testing and data acquisition, where such presence is required by UL CB Scheme and/or WTDP rules. **[ ]** Where Live Stream Video (LSV)is used for remote witness testing of CTF Stage 2, 3 or 4, and/or WTDP, it is clearly declared in this datasheet package.	
	Printed Name	Include Date of testing completion for Printed Name entry
[]Authorized Signatory (CTDP, TPTDP, TCP, PPP, CTF Stage 3 or 4)		
	Printed Name	Signature. Include date for CTDP, TPTDP, TCP, PPP, CTF Stage 3 or 4

TESTS TO BE CONDUCTED:			
Test No.	Done[3]	Test Name	**[X]** Comments/Parameters **[ ]** Tests Conducted by[2] **[ ]** Link to separate data files[4] **[ ]** CTF Stage/LSV declaration[5]
		OZONE TEST	Two test scans: (1) High speed fan with filter; (2) Low speed fan with filter;

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Instructions -
1 - When all tests are conducted by one person, name can be inserted here instead of including name on each page containing data.
2 - When test conducted by more than one person, name of person conducting the test can be inserted next to the test name. Test dates may be recorded here instead of entering test dates on the individual datasheet pages.
3 - Use of this field is optional and may be employed differently. If used to include a date instead of entering the testing date on the individual datasheet pages, the date shall be the date the test was conducted.
4 – Link to separate data files for a test can be inserted here. The link must be to a server that is accessible to UL staff, that provides for backup, required retention periods and a path, including file name, that does not change and result in a broken link. Not applicable to DAP.
5 – Indication of use of Live Stream Video by entry of "LSV" when limited to specific tests. Otherwise, it is applicable to all tests when "LSV" is selected in the TEST LOCATION table. See table for applicable Note.

Special Instructions -

[x**]** Unless specified otherwise in the individual Methods, the tests shall be conducted under the following ambient conditions. Confirmation of these conditions shall be recorded at the time the test is conducted.

Ambient Temperature, C	25±2	Relative Humidity, %	50±5	Barometric Pressure, mBar	N/A

[] No general environmental conditions are specified in the Standard(s) or have been identified that could affect the test results or measurements.

RISK ANALYSIS RELATED TO TESTING PERFORMANCE:

The following types of risks have been identified. Take necessary precautions. This list is not all inclusive.

[ ] Electric shock	**[ ]** Radiation
[ ] Energy related hazards	**[ ]** Chemical hazards
[ ] Fire	**[ ]** Noise
[ ] Heat related hazards	**[ ]** Vibration
[ ] Mechanical	**[x]** Other (Specify)_Ozone_

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TEST LOCATION: (To be completed by Staff Conducting the Testing)					
[ ]UL or Affiliate	**[]**WTDP	**[]**CTDP	**[]**TPTDP	**[]**TCP	**[]**PPP
	[]RWT (WTDP only)		**[]**SCTDP	**[]**PWT	
	[]CTF Stage 1	**[]**CTF Stage 2	**[]**CTF Stage 3	**[]**CTF Stage 4	**[]**LSV (CTF 2, 3, or 4)
Note: RWT must be selected with WTDP. LSV must be selected with CTF Stage 2, 3, or 4					
Company Name: UL Verification Services (Guangzhou) Co., Ltd					
Address: Room 101, 201, 301, 501, 502, 503, Building A1, No.25. South of Huanshi Avenue, Nansha District, Guangzhou, Guangdong, China					

TEST EQUIPMENT INFORMATION

[ ] UL test equipment information is recorded on Meter Use.

[ ] UL test equipment information is recorded on <<insert location and local laboratory equipment system identification.>>

Inst. ID No.	Instrument Type	Test Number +, Test Title or Conditioning	Function/Range	Last Cal. Date	Next Cal. Date
L2N	Environmental Chamber	2, Performance validation and ozone testing	N/A	2024-03-18	2025-03-17
GVS-LE-OA006	Ozone monitor	2, Performance validation and ozone testing	0-1000 ppb	2023-10-27	2024-10-27
GVS-LE-AM001	Anemometer	2, Performance validation and ozone testing	0-25 m/s	2023-10-20	2024-10-20
GVS-LE-PAM001	Manometer	2, Performance validation and ozone testing	0-1300 mBar	2023-10-20	2024-10-20
GVS-LE-SR002	Ruler	2, Performance validation and ozone testing	0-100cm	2024-03-14	2025-03-14
GVS-LE-THT017	Chamber Temperature Monitor	2, Performance validation and ozone testing	0-50°C	2024-04-08	2025-04-08
GVS-LE-WC002	Atomic Clock	2, Performance validation and ozone testing	N/A	2024-03-14	2025-03-14
GVS-LE-THR029	Temperature & RH data Logger	2, Performance validation and ozone testing	Temp: -20 to 70C° RH: 5% to 95%	2024-06-21	2025-06-21

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+ - If Test Number is used, the Test Number must be identified on the data sheet pages or on the Data Sheet Package cover page.

The following additional information is required when using client's or rented equipment, or when a UL ID Number for an instrument number is not used. The Inst. ID No. below corresponds to the Inst. ID No. above.

Inst. ID No.	Make/Model/Serial Number/Asset No.

TEST SAMPLE IDENTIFICATION:

The table below is provided to establish correlation of sample numbers to specific product related information. Refer to this table when a test identifies a test sample by "Sample No." only.

Sample Card No.	Date Received	**[x]** Test No.+	Sample No.	Manufacturer, Product Identification and Ratings
1002419276-7506913	2024-08-13	2		Agentis, Air purifier, model: 650
1002419276-7506944	2024-08-13			Agentis, Air purifier, model: 650

+ - If Test Number is used, the Test Number or Numbers the sample was used in must be identified on the data sheet pages or on the Data Sheet Package cover page.

[ ] Sampling Procedure -

[ ] This document contains data or information using color and if printed, should be printed in color to retain legibility and the information represented by the color.

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OZONE TEST UL 867, Section 40

METHOD – PART A
PRODUCT RUN-IN

The appliance was placed in a room with a maintained temperature of 25±5°C and filtered air. The appliance was operated under maximum output conductions as described in the following table:

Ozone Output	
Fan Speed	High
UV Lamp	-
Special Ionizer	on
Air Filters Removed	-
Air Filters Installed	Yes
Interlock System Bypassed	-
Interlock System Not Bypassed	-
-	-
-	-

NOTE TO ENGINEER: Provide drawing or illustration to identify location(s) of ozone generating device(s).

TECH NOTE - The product is to be operated with the air filter removed UNLESS the product is provided with an interlock switch or similar device that causes the product to decrease or stop ozone production whenever the air filter is removed (see Para. 40.1.4c of UL 867). IN ADDITION, an interlock system or device used for such a purpose is to be bypassed UNLESS the interlock system/device complies with Sec. 29 of UL 867.

SUMMARY: Unless the interlock system/device (provided to cause a decrease or stoppage of ozone production if air filter is removed) complies with Sec. 29 of UL 867, test product with air filter removed AND with ozone interlock system/device bypassed.

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OZONE TEST (CONT'D): UL 867, Section 40

METHOD – PART B
PEAK OZONE LOCATION DETERMINATION

While in a well-heated condition, the appliance was placed in an open space with a minimum height dimension of 8 ft. and a minimum side dimension of 10 ft. The appliance was placed in the center of the room and

[ ] 30 inches above the floor.

[x**]** on the floor.

[ ] attached to the ceiling or to the underside of a horizontal non-reactive surface at a minimum height of 30 inches.

[ ] attached to a non-reactive vertical surface at a minimum height of 30 inches.

The periphery of the airstream in the plane parallel to and 2 inches from the surface of the air cleaner discharge grille was established and total area was recorded.

The location and number of ozone sampling points for a product was determined based on the discharge area of the air stream as follows:

a) For bounded airstreams measuring less than 16 in2, one ozone sampling location measurement was taken in the center of the airstream. Minimum 4 ozone sampling points were needed to detect ozone emission at other locations of airstream. The air stream discharge was then divided into equal sized zones so that the number of ozone sampling points equals the number of zones. The ozone sampling point was located in the geometric center of each zone.

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OZONE TEST (CONT'D): UL 867, Section 40

b) For bounded airstreams measuring 16 in2 or larger, one measurement was taken in the center of the airstream. Minimum 8 ozone sampling points were needed to detect ozone emission at other locations of airstream. The air stream discharge was divided into equal sized zones so that the number of ozone sampling points equals the number of zones. Minimum 8 ozone sampling points were needed. The ozone sampling point was located in the geometric center of each zone. One additional measurement was taken in the center of the airstream.

c) For ozone generating ionizing sources, one additional measurement was taken in the airstream directly in line with the source.

Ozone measurements were taken at the locations described above with the appliance operating

[x**]** on both the highest and lowest fan speed and at each ozone/high voltage output level setting.

[ ] on both the highest and lowest fan speed and at the minimum, middle, and maximum ozone/high voltage output level setting.

[x**]** and with independently activated **[**ionizers**]** operating.

Ozone measurements were monitored for a period of 2 minutes, and recorded for use during Part D – Ozone Test.

METHOD – PART C
CHAMBER HALF-LIFE

Prior to testing of an appliance model, the chamber ozone half-life was determined using the theoretical air exchange rate, __1.291_____ 1/h, and an initial steady state ozone concentration of 0.100 to 0.200 ppm.

* Note #1 to Technician - If the measured chamber half-life is not equal to 31 ±2 minutes, the air exchange rate shall be adjusted and the ozone half-life measurement shall be reconducted until this value is obtained.*

[x**]** The air exchange rate was adjusted and the chamber half-life value was again determined using an initial steady state ozone concentration of 0.100 to 0.200 ppm.

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OZONE TEST (CONT'D): UL 867, Section 40

METHOD – PART D
OZONE TEST

The appliance was placed in a chamber having a volume of 950-1100 cubic feet (26.9-31.1 m³) with a minimum side dimension of 8 feet (2.4 m) and a maximum height dimension of 10 feet (3.0 m) without openings. The test chamber walls, ceiling, and floor were surface treated stainless steel or other nonporous, non-reactive material.

During the test, the test room was maintained at a temperature of 25±2°C (77±4°F) and a relative humidity of 50±5 percent. Prior to the start of this test, the ozone background level was measured with the product off. The measurement was subtracted from the maximum measurement during the test.

Note #2 to Technician – If the measured ozone background level is greater than 0.005 ppm, the chamber must be purged and the ozone background level measured again prior to inception of the test.

The appliance was placed in the center of the test chamber and

[ ] 30 inches above the floor.

[x**]** on the floor.

[ ] attached to the ceiling or to the underside of a horizontal non-reactive surface at a minimum height of 30 inches.

[ ] attached to a non-reactive vertical surface at a minimum height of 30 inches.

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OZONE TEST (CONT'D) UL 867, Section 40

The ozone monitor sampling tube was located 2 inches (50mm) from the air outlet of the product and was pointed directly into the air stream. Ozone or high voltage output level/measurement location was as/where ozone emissions were determined highest during Part B – Peak Ozone Emissions Determination.

The emission of ozone was monitored for 24 hours on both the high and low fan speeds to determine the concentration.

The test was repeated under the most severe conditions for generating the maximum amount of ozone, taking into account all intended operating modes of the product.

* Note #3 to Technician - The monitoring of ozone can be stopped after 8 hours if the measured chamber ozone concentration has reached steady-state. For the purpose of this measurement steady state is defined as:

a) Negative or zero slope for the plot of chamber ozone concentration vs. time (**[**C(t)**]** vs. t), during hour 7 to 8 of monitoring, and fluctuation not greater than ± 10 percent or 2 ppb around the mean, whichever is greater during the same time period,
b) Positive slope for the plot of chamber ozone concentration vs. time, during hour 7 to 8 of monitoring, mean ozone concentration less than 20 ppb, and fluctuation not greater than ± 2 ppb around the mean, during the same time period, or
c) Positive slope for the plot of chamber ozone concentration vs. time, during hour 7 to 8 of monitoring, mean ozone concentration greater than or equal to 20 ppb and less than 38 ppb, a normalized slope for hour 7-8 less than or equal to 0.0153 (ppb/hr)/mean ppb, and fluctuation not greater than ± 10% around the mean, during the same time period.*

* Note #4 to Technician – Testing of a second sample is not required if the maximum measured ozone concentration of the first sample measured less than 0.030 parts per million.*

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OZONE TEST (CONT'D) UL 867, Section 40

RESULTS PART A
PRODUCT RUN-IN

[x**]** Sample 1 completed the 48 hour run-in period.

[ ] Sample 2 completed the 48 hour run-in period.

RESULTS – PART B
PEAK OZONE LOCATION DETERMINATION

Sample 1:

	Measured Ozone, ppm					
Fan Speed	High			Low		
Ozone/High Voltage Output Level	Max	Middle	Min	Max	Middle	Min
Measurement Location 1	0.0021286	-	-	0.0015015	-	-
Measurement Location 2	0.0017993	-	-	0.0011992	-	-
Measurement Location 3	0.0017174	-	-	**0.0016914**	-	-
Measurement Location 4	0.0016625	-	-	0.0011975	-	-
Measurement Location 5	0.0014997	-	-	0.0009238	-	-
Measurement Location 6	0.0016935	-	-	0.0016331	-	-
Measurement Location 7	**0.0022692**	-	-	0.0013581	-	-
Measurement Location 8	0.0019106	-	-	0.0010574	-	-
Measurement Location 9	0.0020753	-	-	0.0013343	-	-
Measurement Location 10	0.0016627	-	-	0.0008400	-	-
Center of the Airstream	0.0018548	-	-	0.0015282	-	-
Measurement in Line with the Source	-	-	-	-	-	-

The location of the peak ozone measurement was _Location 07 for High fan speed & Location 03 for Low fan speed_, see Illustration _01__ for visible indication of location.

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OZONE TEST (CONT'D) UL 867, Section 40

Sample 2:

	Measured Ozone, ppm					
Fan Speed	High			Low		
Ozone/High Voltage Output Level	Max	Middle	Min	Max	Middle	Min
Measurement Location 1	-	-	-	-	-	-
Measurement Location 2	-	-	-	-	-	-
Measurement Location 3	-	-	-	-	-	-
Measurement Location 4	-	-	-	-	-	-
Measurement Location 5	-	-	-	-	-	-
Measurement Location 6	-	-	-	-	-	-
Measurement Location 7	-	-	-	-	-	-
Measurement Location 8	-	-	-	-	-	-
Measurement Location 9	-	-	-	-	-	-
Measurement Location 10	-	-	-	-	-	-
Center of the Airstream	-	-	-	-	-	-
Measurement in Line with the Source	-	-	-	-	-	-

The location of the peak ozone measurement was _____, see Illustration ___ for visible indication of location.

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OZONE TEST (CONT'D) UL 867, Section 40

RESULTS – PART C
CHAMBER HALF-LIFE

Theoretical Air Exchange Rate, 1/h	1.291

Using the theoretical air exchange rate above the measured chamber ozone half-life was __0.5638____ h.

[ ] The measured chamber ozone half-life was 31±2 minutes.

[x**]** The measured chamber ozone half-life was not 31±2 minutes. (Continue Results Below)

Air Exchange Rate After Adjustment, 1/h	1.350

After air exchange rate adjustment, the measured chamber ozone half-life was __0.5166____ h.

[x**]** The measured chamber ozone half-life was 31±2 minutes.

[ ] The measured chamber ozone half-life was not 31±2 minutes.

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OZONE TEST (CONT'D) UL 867, Section 40

RESULTS – PART D
OZONE TEST

Sample 1 – High Fan Speed with filter:

[ ] The test was halted after 8 hours. Data providing rationale for terminating test after only 8 hours is attached (see "Note #3 to Technician").

[x] The test was halted after 24 hours.

O_3(t) = Maximum ozone concentration measured: __0.002502____ parts per million (PPM) by volume.

O_3(Background)= Ozone background level before test: __0.000302___ parts per million.

The maximum measured ozone level = O_3(t) – O_3(Background)= __0.002200___ parts per million.

[x] The maximum measured ozone level did not exceed 0.030 parts per million – only one sample tested.

[ ] The maximum measured ozone level was between 0.030 and 0.050 parts per million – test repeated on sample 2.

[ ] The sample produced a transitory concentration in excess of 0.050 parts per million, but less than 0.100 parts per million. The average of any five consecutive one minute average measurements was less than 0.050 parts per million – test repeated on sample 2.

[ ] The sample produced a transitory concentration in excess of 0.050 parts per million, but less than 0.100 parts per million. The average of any five consecutive one minute average measurements was not less than 0.050 parts per million – test halted.

[ ] The maximum measured ozone level exceeded 0.100 parts per million – test halted.

Date	Time	Test Instance	Ambient Temperature, C	Relative Humidity, %	Barometric Pressure, KPa
2024-09-09	15:30	Background	23.7	49.9	99.02
2024-09-09	16:01	Ozone Test	23.1	50.5	99.02

CSA CAN22.2 No. 187	
1st 8hr TWA	1.36ppb
2nd 8hr TWA	1.36ppb
3rd 8hr TWA	1.40ppb

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OZONE TEST (CONT'D) UL 867, Section 40

Sample 1 – Low Fan Speed with filter:

[ ] The test was halted after 8 hours. Data providing rationale for terminating test after only 8 hours is attached (see "Note #3 to Technician").

[x] The test was halted after 24 hours.

O_3(t)= Maximum ozone concentration measured: __0.002127____ parts per million (PPM) by volume.

O_3(Background)= Ozone background level before test: __-0.000017____ parts per million.

The maximum measured ozone level = O_3(t) – O_3(Background)= _0.002144___ parts per million.

[x] The maximum measured ozone level did not exceed 0.030 parts per million – only one sample tested.

[ ] The maximum measured ozone level was between 0.030 and 0.050 parts per million – test repeated on sample 2.

[ ] The sample produced a transitory concentration in excess of 0.050 parts per million, but less than 0.100 parts per million. The average of any five consecutive one minute average measurements was less than 0.050 parts per million – test repeated on sample 2.

[ ] The sample produced a transitory concentration in excess of 0.050 parts per million, but less than 0.100 parts per million. The average of any five consecutive one minute average measurements was not less than 0.050 parts per million – test halted.

[ ] The maximum measured ozone level exceeded 0.100 parts per million – test halted.

Date	Time	Test Instance	Ambient Temperature, C	Relative Humidity, %	Barometric Pressure, KPa
2024-09-10	16:15	Background	23.3	50.7	99.07
2024-09-10	16:46	Ozone Test	23.1	50.2	99.07

CSA CAN22.2 No. 187	
1st 8hr TWA	0.94ppb
2nd 8hr TWA	1.01ppb
3rd 8hr TWA	1.07ppb

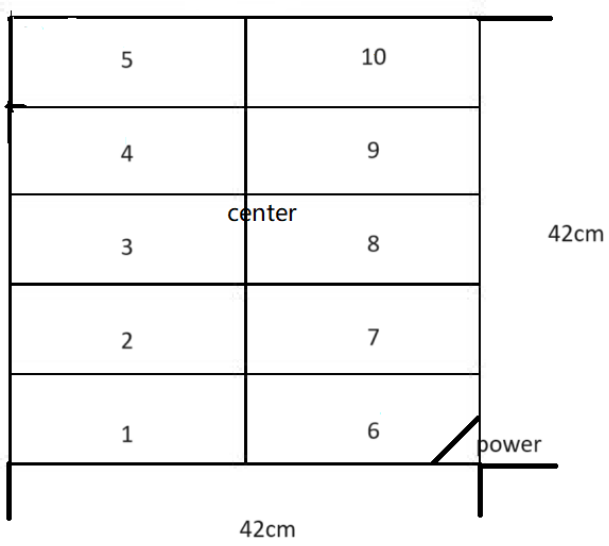
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OZONE TEST (CONT'D) UL 867, Section 40

NOTE #5 TO LABORATORY TECHNICIAN: The maximum allowable ozone concentration is 0.050 ppm.

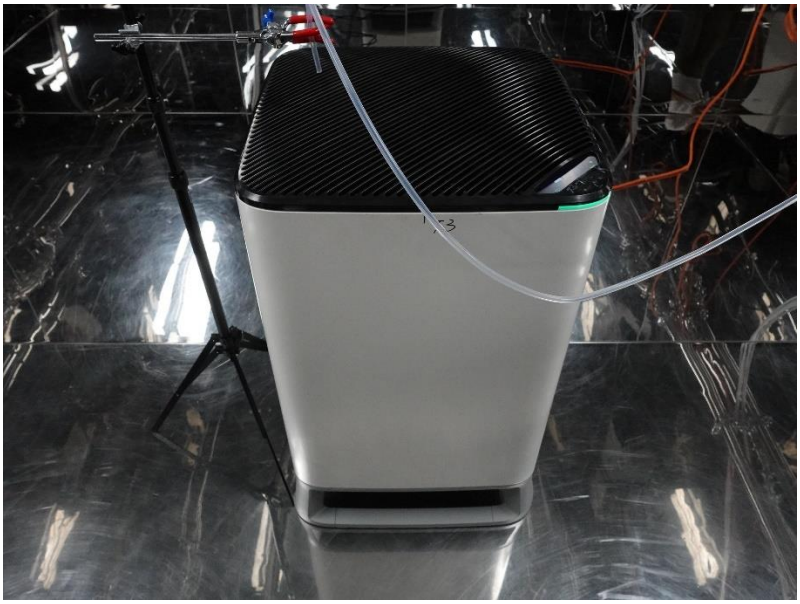
NOTE #6 TO LABORATORY TECHNICIAN: For samples with transitory concentrations in excess of 0.050 ppm, but less than 0.100 ppm, the average of any five consecutive one minute average measurements shall be used when recording the maximum ozone concentration measured.
NOTE #7 TO LABORATORY TECHNICIAN: Environmental conditions shall be monitored and recorded for the duration of the Ozone Test.

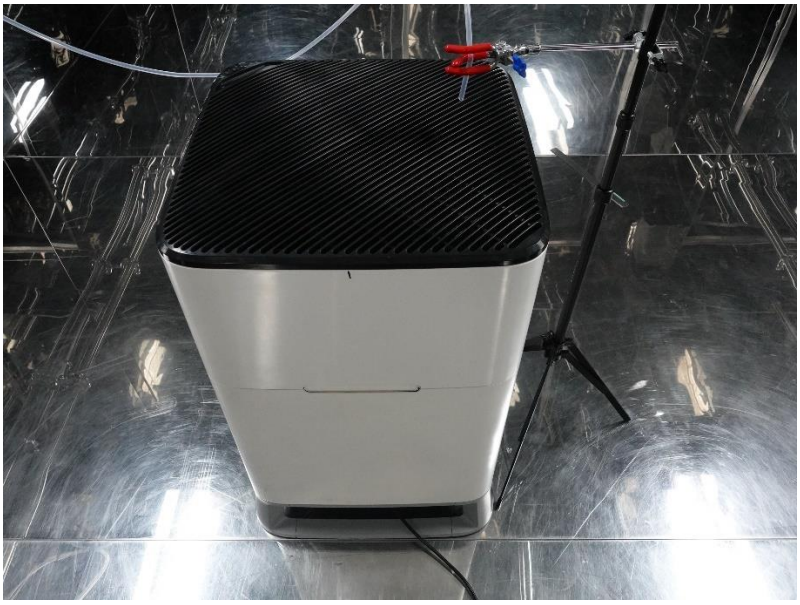
Illustration 01



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Illustration 02





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Illustration 03 (High)



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Illustration 04 (Low)



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