

IAQ compliance information

In accordance with tests in independent laboratories

Unique Identifier: **Airzone**

Models: **Easyzone 25**

Flexa 25

Easyzone IAQ

AirQ Box

Company information:

- Manufacturer's name: Corporación Empresarial Altra S.L.
- Trademark: Airzone
- Address: C/ Marie Curie, 21 (29590), Málaga, Spain
- Telephone number: 0034 900 400 445

Regulatory information:

The object of this declaration is to compile the results of an indoor air quality performance verification, designed to generate basic research data, on the effects of Airzone in laboratory conditions different from those found in living spaces.

Testing conditions:

(1) Results obtained in a 95 m³ room by the independent laboratory Eurofins Iproma (Madrid, Spain).

(*) All the tested compounds present accumulated values of 5 days of Airzone operation. The generation of by-products is below 1/10 of the Occupational Limit Value, being less than 11% of the maximum admissible dose.

(2) Results obtained in a 45 liters urn by Environmental Microbiology Research Group of the University of Granada (Granada, Spain).

(3) Results obtained by the independent laboratory Texcell (Évry-Courcouronnes, France).

(**) Test performed in a 64 liters urn.

(***) Test performed in a 6,7 m³ room.

(4) Results obtained in a 45 liters urn by Botanic Department of the University of Granada (Granada, Spain) and Animal Biology, Plant Biology and Ecology Department of the Autonomic University of Barcelona (Barcelona, Spain).

(5) Results obtained in a 25 m³ room by the independent laboratory Olfasense (Kiel, Germany). The tests were conducted according to DIN EN 13725 and VDI 3882-1 standards.

(****) Total test duration: 4 hours. A new pair of cigarettes is lit every 30 minutes. After the 8th cycle, the odour is homogenized for 30 minutes, and samples are taken.

(*****) Total test duration: 4 hours. Every 30 minutes, the food is cooked for 10 minutes at 800 W. After the 4th cycle, the food is replaced. After the 8th cycle, the odour is homogenized for 30 minutes, and samples are taken.

(6) Results obtained in a 27 m³ room by the independent laboratory Intertek (New York, United States). The tests were conducted according to UL 867:2021, Ed.5 and UL 2998:2020 Ed.3.

Indoor air quality performance					
Contaminant tested	Reduction efficiency				
Decrease in particulate matter concentration ⁽¹⁾	Particle count in suspension (No. of particles/m ³)				
	PM _{0.3} < x ≤ PM _{2.5} 1 hour → 30 ~ 40% 24 hours → 91 ~ 99%		PM _{2.5} < x ≤ PM ₁₀ 1 hour → 65% 24 hours → 97 ~ 99%		
	Gravimetry of particles in suspension (µg/m ³):				
	PM _{2.5} 1 hour → 47% 24 hours → 99%		PM ₁₀ 1 hour → 48% 24 hours → 99%		
Gas reduction ⁽¹⁾	NO ^(*) 1 hour → 0%	NO ₂ ^(*) 1 hour → 92%	SO ₂ ^(*) 1 hour → 29%	TVOCs ^(*) 1 hour → 50%	CH ₂ O ^(*) 4 hours → 72%
Microorganisms inhibition	Total mesophilic aerobic flora ⁽¹⁾ 1 hour → 59% 24 hours → 88%		Fungal flora ⁽¹⁾ 1 hour → 93% 24 hours → 99%		
	Escherichia coli bacterium ⁽²⁾ 1 hour → 33% 24 hours → 51%	Bacillus subtilis bacterium ⁽²⁾ 1 hour → 50% 24 hours → 86%	Innocuous listeria bacterium ⁽²⁾ 1 hour → 54% 24 hours → 75%	Staphylococcus aureus bacterium ⁽²⁾ 1 hour → 43% 24 hours → 97%	
	Bacillus subtilis virus ⁽²⁾ 2 hours → 30%		Aspergillus niger virus ⁽²⁾ 2 hours → 0%		SARS-CoV-2 virus ⁽³⁾ 2 hours → 99,9%(**) 8 hours → 93,5%(***) 24 hours → 98,8%(***)
Effect on pollen ⁽⁴⁾	Reduced pollen grain viability		Reduction of allergenicity at 1 hour and different concentrations		
	Olive (Ole e 1) 1 hour → 5,80% 24 hours → 11,50%	Birch (Bet v 1) 1 hour → 2,99% 24 hours → 12,90%	Olive (Ole e 1) 200 ng/ml → 53,34% 50 ng/ml → 38,22% 15 ng/ml → 15,17%	Birch (Bet v 1) 200 ng/ml → 23,22% 50 ng/ml → 1,38% 15 ng/ml → 0,00%	
Odour inhibition ⁽⁵⁾	Cigarette smoke odour ^(****)		Cooking odour ^(*****)		
	Percentage reduction of odour concentration in OUE/m ³ 29%	Odour intensity Reduction from 4.06 to 3.91	Percentage reduction of odour concentration in OUE/m ³ 45%	Odour intensity Reduction from 4.19 to 4.13	
Innocuousness in humans	Nematode Caenorhabditis elegans ⁽²⁾ No significant effects on the growth capacity of nematodes in ovipositing, young or adult forms instar				
	Ozone generation ⁽⁶⁾ Lower than the limit established in UL 2998:2020 Ed.3 – Environmental Claim Validation Procedure for Zero Ozone Emissions from Air Cleaners				

We, the undersigned, hereby declare under our sole responsibility that the specified equipment is in conformity with the tests described above.

Español [Spanish] – El objeto de esta declaración es recopilar los resultados de una verificación del rendimiento, diseñada para generar datos de investigación básicos, sobre los efectos de Airzone sobre las condiciones de calidad de aire interior en condiciones de laboratorio diferentes a las que se encuentran en los espacios habitables.

Français [French] – L'objet de cette déclaration est de compiler les résultats d'une vérification de performance, conçue pour générer des données de recherche fondamentale, sur les effets d'Airzone sur les conditions de qualité de l'air intérieur dans des conditions de laboratoire autres que celles trouvées dans les espaces de vie.

Italiano [Italian] – L'oggetto della dichiarazione descritta è raccogliere i risultati di una verifica delle prestazioni, progettata per generare dati di ricerca di base, sugli effetti di Airzone sulle condizioni di qualità dell'aria interna in condizioni di laboratorio diverse da quelle riscontrate negli spazi abitativi.

Deutsch [German] – Der Gegenstand der vorgenannten Erklärung ist die Zusammenstellung der Ergebnisse einer Leistungsüberprüfung zur Generierung von Grundlagenforschungsdaten zu den Auswirkungen von Airzone auf die Luftqualität in Innenräumen unter anderen Laborbedingungen als denen, die in Wohnräumen anzutreffen sind.

Português [Portuguese] – O objeto da declaração descrita é compilar os resultados de uma verificação de desempenho, projetada para gerar dados básicos de pesquisa, sobre os efeitos do Airzone nas condições de qualidade do ar interno em condições de laboratório diferentes daquelas encontradas em ambientes residenciais.

اللغة العربية [Arabian] – الغرض من هذا البيان هو تجميع نتائج التحقق من الأداء ، المصمم لتوليد بيانات بحثية أساسية ، حول على ظروف جودة الهواء الداخلي في ظل ظروف معملية غير تلك الموجودة في Airzone تأثيرات أماكن المعيشة.

Name: Antonio Mediato

Position: Chief executive officer

Signature:

Date: February 24, 2025

