

UGMA

Ultra High Efficiency Organic Gel Microbial Air Filter

UGMA AIR PURIFIER

UGM-AP-80-1



CLEAN AIR FOR HEALTH



UGMA; UGM-AP-80-1 Industrial Air Purifier improves indoor air quality by evacuating up to 99.9% of viruses, bacteria, yeast, mold, mold spores, allergens, particles and harmful gases.



Virus



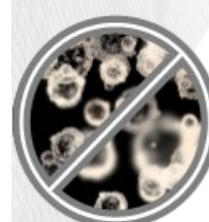
Bacteria



Mold



Cigarette Smoke



Dust/Pollen



Micro-organisms

HOW HEALTHY IS THE AIR YOU BREATHE?



In every breath you inhaled, many microscopic harmful gases, allergens, microorganisms and bacteria in that are invisible to the naked eye are transferred to the body.

Cleanliness of the air in living spaces is crucial for human health and has become a necessity in daily life. The UGMA Air Purifier UGM-AP-80-1 offers you a quality, spacious living space with its high performance and elegant design.

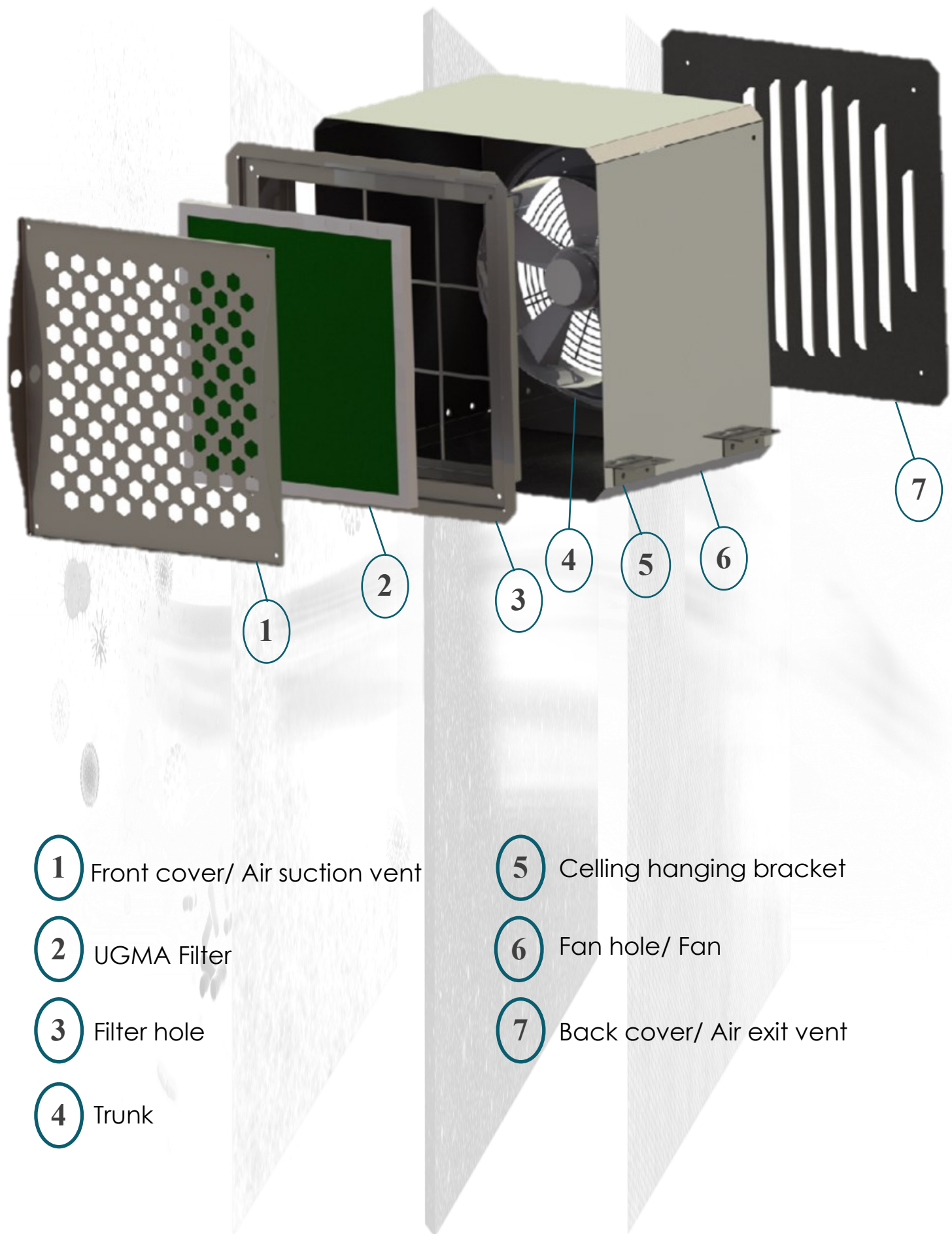
MICROBIAL SPOILAGE IN FOOD HAS COME TO AN END



The spoilage of food is an indication that microorganisms develop and reach high numbers during raw material supply, transportation, processing, and storage.

With the UGM-AP-80-1 Industrial Air Purifier, the shelf life of the products is extended naturally, and food waste is prevented by resetting the microbial agents of the air source and not using protective chemicals. UGM-AP-80-1 controls the microbial load of the air by 99.99% together with the equipment it offers. It provides access to healthy and natural food.

OVERVIEW



1 Front cover/ Air suction vent

2 UGMA Filter

3 Filter hole

4 Trunk

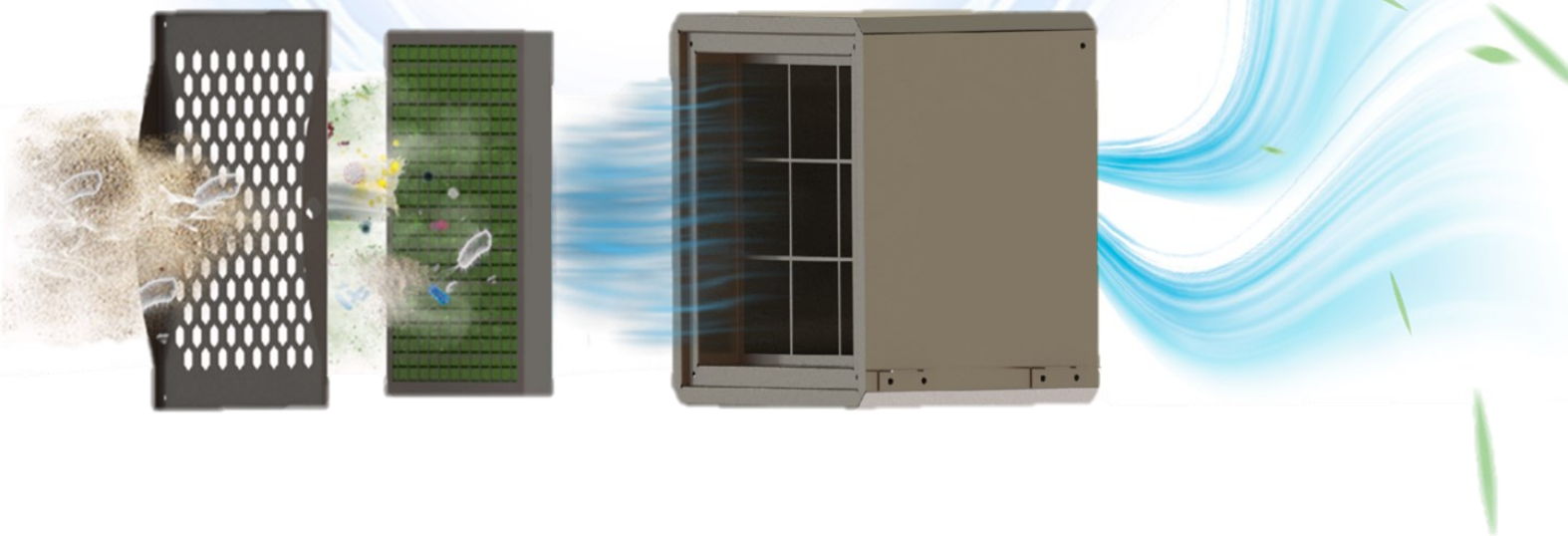
5 Ceiling hanging bracket

6 Fan hole/ Fan

7 Back cover/ Air exit vent

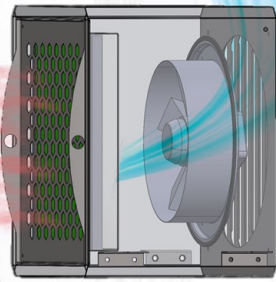
UGM-AP-80-1 CLEAN AIR TECHNOLOGY

Harmful gases, microorganisms and particles contained in the environment pass through the air suction vents. Harmful gases, microorganisms and particles passing through the suction vent are filtered at a rate of 99.9% with the UGMA filter. Filtered fresh air is delivered to the environment by being directed to the exit vent with a high efficiency router.



Many institutions, especially the World Health Organization, encourage the use of appropriate ventilation systems to protect against diseases and emphasize the cleanliness of the inhaled air. UGM-AP-80-1 Industrial Air Purifier offers you a healthy living space.

UGM-AP-80-1 CLEAN AIR TECHNOLOGY

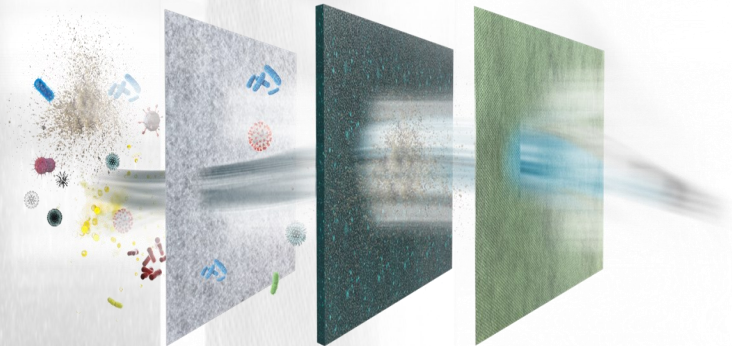


Air Flow Model

After the airflow simulation tests are performed, a laminar flow is provided without turbulence due to the suction and blowing vents created; dirty air is sucked in, filtered, and filtered fresh air is delivered to the environment. In this way, the ambient air is cleaned in a highly efficient way. The UGM-AP-80-1, which has a unique design that minimizes the risk of transmission, provides the healthiest and most reliable air flow model in any environment.

UGMA Filter

It consists of a three-layer structure. UGMA filter filters out all microbial agents such as viruses, bacteria, yeast, mold, mold spores, allergens, and all harmful particles by 99.9%. It destroys organic, inorganic gases and bad odors. UGMA Filter has a lifetime of 2 years in a vacuum package and 2 months after opening the package.



Fan

It has a low maintenance cost with an easy application area. It fans clean air to the environment by providing a faster air transfer in industrial areas where air pollution is intense.



USAGE AREAS

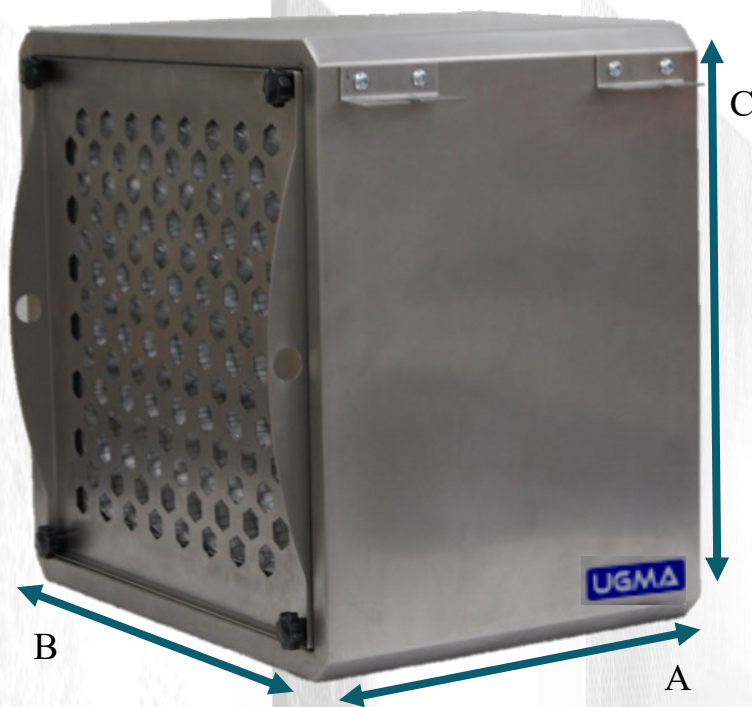


UGM-AP-80-1 Industrial Air Purifier improves indoor air quality by purifying the air in the environment from harmful particles such as dust, bacteria, harmful microorganisms, fungi, odors, and smoke.

Device usage area is 95 m². In order to get maximum efficiency from the device, mount the device with hanging devices on the wall or ceiling at a height of 2.5 - 3.5 m above the ground.

- ♦ Markets
- ♦ Food warehouses
- ♦ Hotel warehouses
- ♦ Frozen food and ice cream warehouses
- ♦ Poultry processing and cooling systems
- ♦ Meat & meat products process and cooling systems
- ♦ Milk & dairy products process and cooling systems
- ♦ Sport halls
- ♦ Fish shocking and preservation facilities
- ♦ Fruits and vegetables cold storages
- ♦ Restaurants and cafes
- ♦ Hospitals and pharmacies
- ♦ Veterinary clinics
- ♦ Laboratories
- ♦ Food production facilities
- ♦ Examination rooms
- ♦ Malls

UGM-AP-80-1 TECHNICAL SPECIFICATIONS



FEATURES AND FUNCTIONS

Fan Motor	Axial Fan
Drawn Power (W) /Voltage(V) / Current (A)	160 W / 230 V/ 0,72 A
Air Entry	On Front Cover
Air Exit	On Back Cover
Air Amount	860 m ³ /h
Type of Material	Stainless Steel
Sound Intensity dB(A)	<57

FILTRE

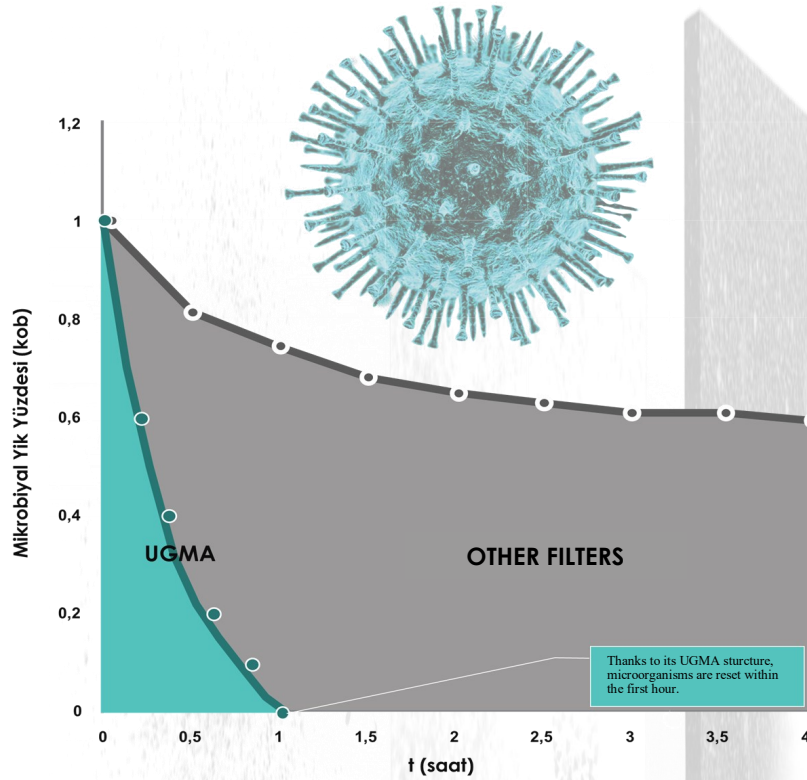
UGMA Filter	✓
Filtering Efficiency	%99,99

DIMENSION

Length (A-Excluding packaging) [mm]	375
Width (excluding B-Packing) [mm]	495
Height (excluding C-Packing) [mm]	495

UGMA FILTER TECHNICAL SPECIFICATIONS

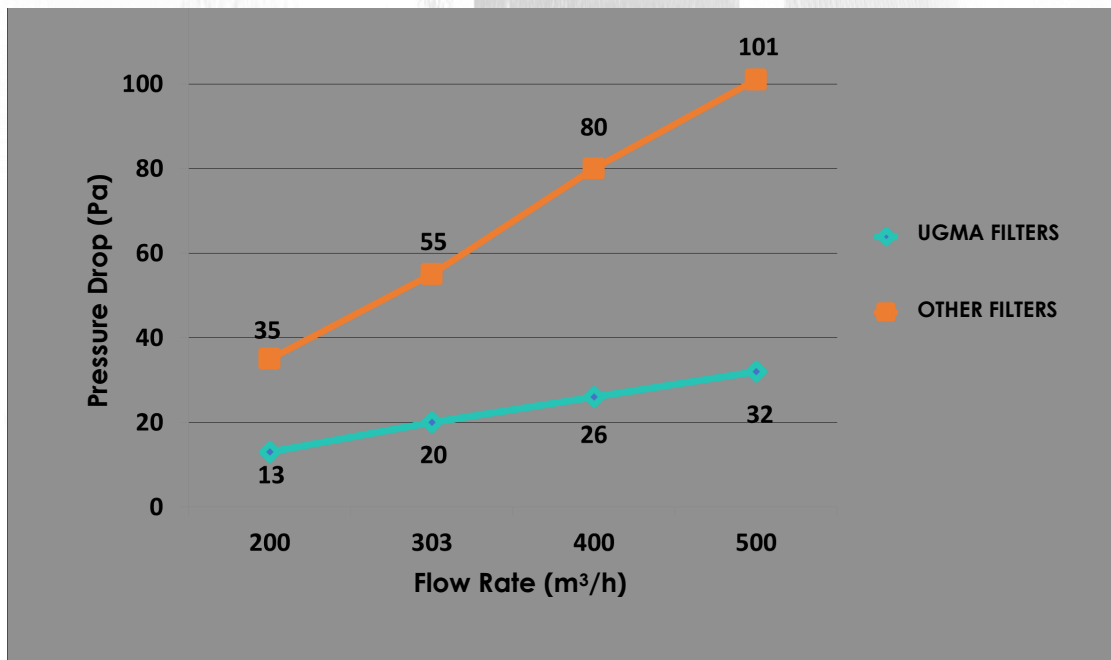
MICROBIAL RETENTION



- ♦ Retaining bacteria, yeast, mold, mold spores and allergens, including viruses.
- ♦ UGMA Filter resets micro-organisms in the first hour as per TS 13848.
- ♦ It filters micro-organisms as per En 14683 +AC standard by 99.9% .
- ♦ It has been registered to filter the COVID-19 virus by 98.76%.

DIFFERENTIAL PRESSURE COMPARISON

- ♦ The pressure difference in UGMA class filters is initially 13 Pa and after use it is 32 Pa.
- ♦ In the other filter, the pressure difference is initially 35 Pa and after use it is 101 Pa .
- ♦ These ratios indicate that the air passing through UGMA filters has at least 3 times more air permeability than other filters.
- ♦ Low difference-pressure means high energy efficiency.





Ultra High Efficiency Organic Gel Microbial Air Filter

UGMA Filtration Technology products are approved by Turkish Standard (TS 13848:2018), ISO 9001, ISO 13485, CE, TÜV Austria and Ministry of Health. Its effectiveness has been registered by accredited institutions, especially Yeditepe University, SGS, Ekoteks laboratory and TSE.

With the highest performing gel air filtration system in the world, UGMA produces air filters, medical masks and air cleaning devices for the first time in human history, which filter all invisible organisms including viruses by 99.9 per cent. Our products are 100% Domestic production.

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