



# UGMA

Ultra High Efficiency Organic Gel Microbial Air Filter

## UGMA AIR PURIFIER

### UGM-AP-100-1



# CLEAN AIR FOR HEALTH

**UGMA; UGM-AP-100-1 Microbial Gel Air Purifier improves indoor air quality by draining virus, bacteria, yeast, mold, mold sports, allergens, particles and harmful gases up to 99.9%.**



Virus



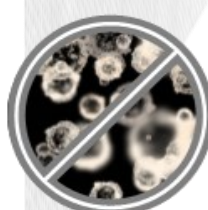
Bacteria



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.

These harmful micro-organisms and particles, which are indoors and in the air you breathe, can jeopardize the health of you and your loved ones.

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-100-1 offers you a quality, spacious living space with its high performance and elegant design.

# OVERVIEW

Specially designed air outlet vents for a healthy flow of air in your space

On/off control panel for setting operating mode

Handle

Efficient airflow router

Robust long-life body for both your home and challenging working conditions

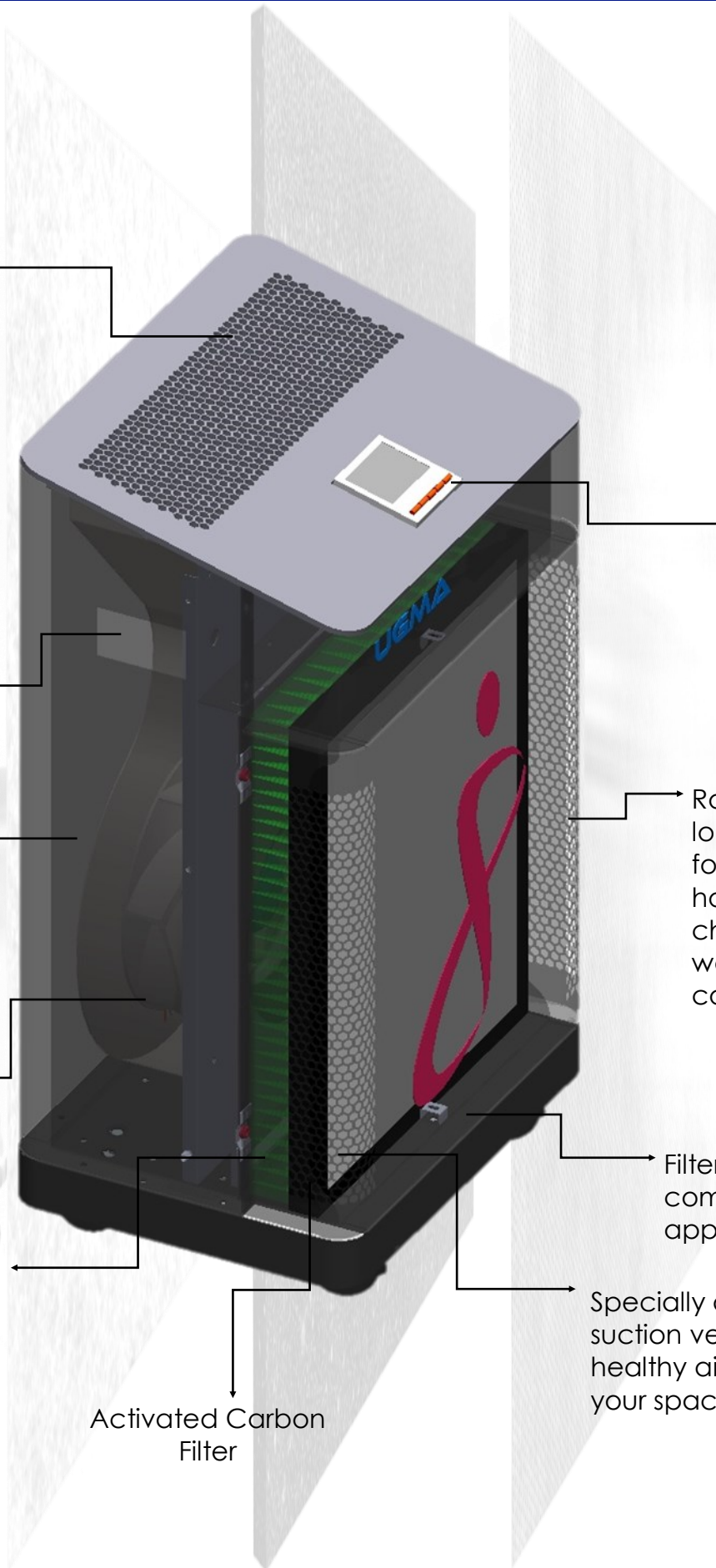
AC Fan

Filter compression apparatus

UGMA Filtrirer

Specially designed air suction vents for a healthy air flow of in your space

Activated Carbon Filter





# UGM-AP-100-1 CLEAN AIR TECHNOLOGY



Harmful gases, micro-organisms and particles in the environment pass through air suction vents. Harmful gases passing through the suction vent are kept above 90% with an activated carbon filter. Harmful micro-organisms and particles in the environment are also filtered 99.9% with UGMA filter. The filtered fresh air is routed to the discharge vent through the high efficiency diverted and routed to the atmosphere.

Several organizations, particularly the World Health Organization, encourage the use of appropriate ventilation systems to protect themselves against diseases and emphasize the cleanliness of inhaled air. UGM-AP-100-1 Microbial Gel Air Purifier offers you a healthy living space.

# UGM-AP-100-1 CLEAN AIR TECHNOLOGY

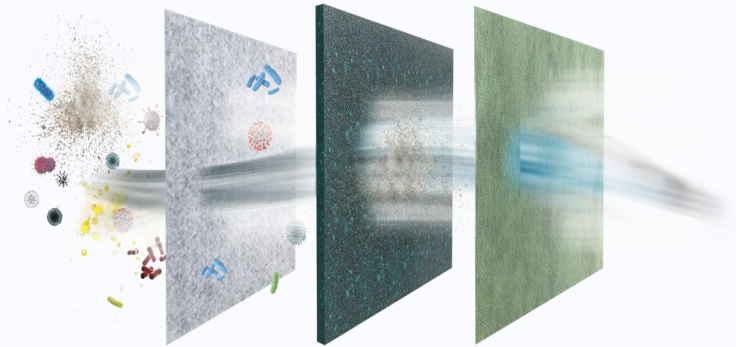


## Air-Flow Model

Thanks to the suction and blowing vents created after air flow simulation tests are performed, a laminar flow is provided without turbulence; dirty air is absorbed, filtered, filtered fresh air is given to the environment. In this way, the ambient air is cleaned highly efficiently. The UGM-AP-100-1 has a unique design that directs all particles in the environment down and minimizes the risk of infection, providing the healthiest and most reliable airflow model for all environments.

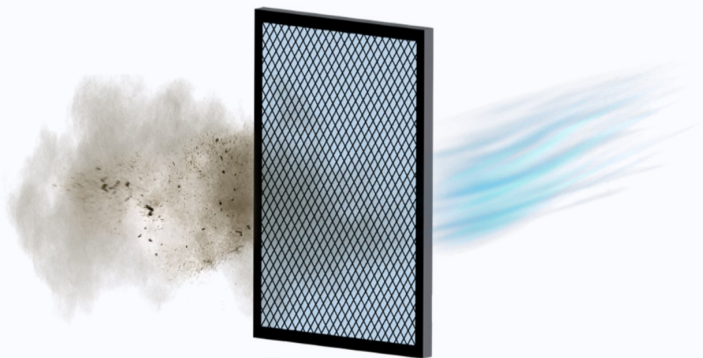
## UGMA Filter

It consists of a three-layer structure. UGMA filters all microbial agents and all harmful particles 99.9% such as virus, bacteria, yeast, mold, moldy sports, allergens. It destroys organic, inorganic gases and bad odors. UGMA Filter has a service life of 2 years in vacuum package and 2 months after the package is opened.



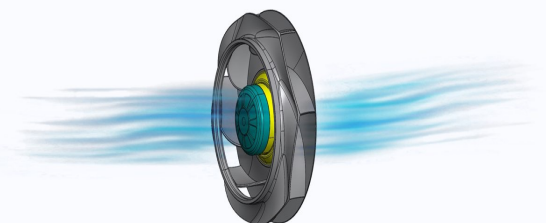
## Activated Carbon Filter

The activated carbon filter has the ability to capture and retain gas molecules. The surface of the activated carbon filter consists of millions of small pores. Thanks to these pores, toxic gases and dirt that emit many odors are retained. Granular filled, 23 mm thick, adsorption very high activated carbon filter is used.



## Backward Tilted Winged Centrifugal Blower

The fan used reduces the energy consumed and increases the energy efficiency of the device. It has the highest motor technology that can be adjusted for 5 different airflows. It is low volume and highly efficient. It gives hygienic fresh air to the environment.



# CONTROL PANEL



## ON/OFF BUTTON

Allows the device to turn on and off.



## MODE/OK BUTTON AND DIRECTION KEYS

Sleep, low, medium, high and turbo power settings can be made.



## SERVICE KEYS



# QUIET AND INSTANT



The UGMA AIR PURIFIER UGM-AP-100-1 has a sleek design and low operating noise, unlike most air purifiers. You can only feel its presence in its environment with the fresh air you breathe.

SLEEP MODE	LOW MOD	MIDDLE MOD	HIGH MOD	TURBO MOD
37 dB(A)	41 dB(A)	47 dB(A)	53 dB(A)	57 dB(A)



# USES



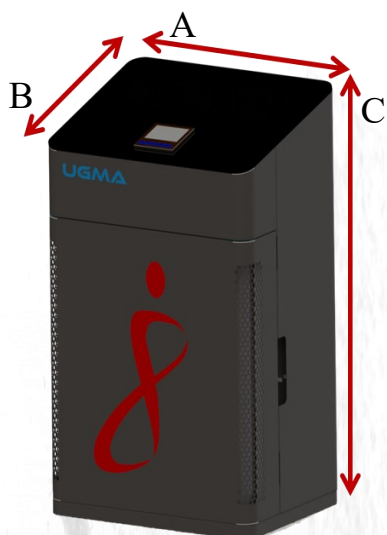
## BREATHE SAFELY IN YOUR ENVIRONMENT!

UGM-AP-100-1 enhances indoor air quality by removing all indoor air from harmful particles such as dust, bacteria, harmful micro-organisms, pollen, fungi, pets allergens, odor and smoke.

In order to get maximum efficiency from the device, place the device in the middle parts of the area instead of the wall corners in the area where it will be positioned. If you are going to put it close to the wall, place it at least 20 cm away from the wall

- ◆ Home
- ◆ Shop
- ◆ Markets
- ◆ Schools and classrooms
- ◆ Offices
- ◆ Nurseries
- ◆ Waiting rooms/Lobbies
- ◆ Gyms
- ◆ Hotel rooms
- ◆ Meeting rooms
- ◆ Examination rooms
- ◆ Restaurants and cafés
- ◆ Elderly care centres
- ◆ Public buildings
- ◆ Small businesses
- ◆ Hairdressers
- ◆ Beauty saloons
- ◆ Hospitals and pharmacies

# UGM-AP-100-1 TECHNICAL SPECIFICATIONS



AIR QUANTITY	150 m <sup>2</sup> / 700 m <sup>3</sup> /h
Stage 1 / Sleep	250m <sup>3</sup> /h
Stage 2 / Low	350m <sup>3</sup> /h
Stage 3 / Medium	500m <sup>3</sup> /h
Stage 4 / High	640m <sup>3</sup> /h
Stage 5 / Turbo	720m <sup>3</sup> /h

## FEATURES AND FUNCTIONS

Digital display	✓
Touch screen	✓
Night mode	✓
Turbo mode	✓
Temperature indicator	✓
Led light	✓
Fan motor	Backward-tilted winged centrifugal blower
Fan speed stage	5
Drawn power (W)/Voltage (V)/Current (A)	170 W / 200-240 V / 0.72 A
Air inlet	Double-sided on the front cover
Air outlet	UGMA air router

## FILTER

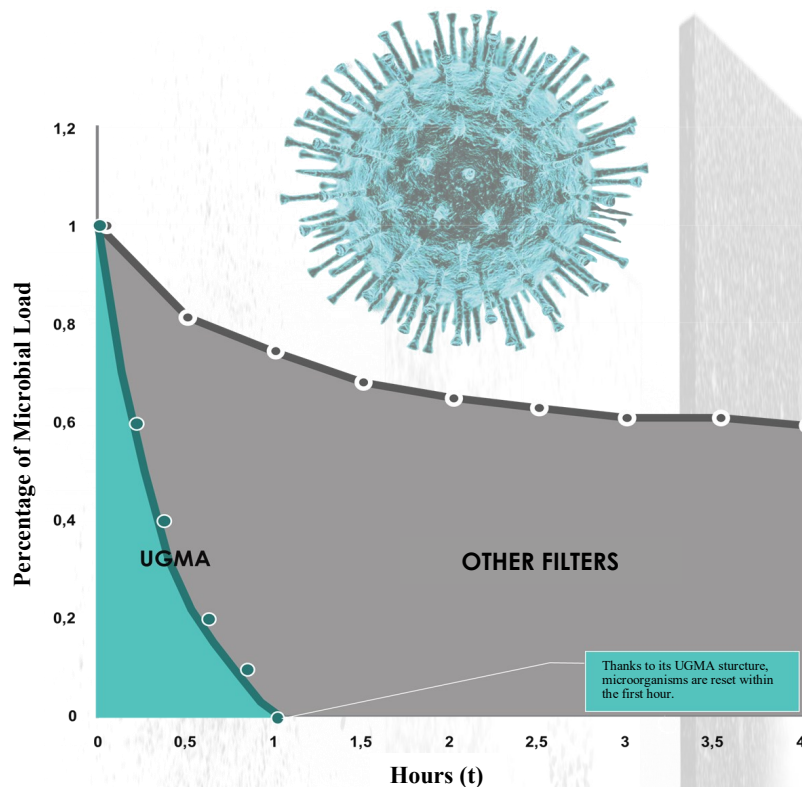
UGMA Filter	✓
Activated Carbon Filter	✓
Filtering efficiency	%99,99

## SIZE / WEIGHT

Length (excluding packaging) [mm]	350
Width (excluding packaging) [mm]	460
Height (excluding packaging) [mm]	820
Weight (excluding packaging) [kg]	34.5



# UGMA FILTER TECHNICAL SPECIFICATIONS

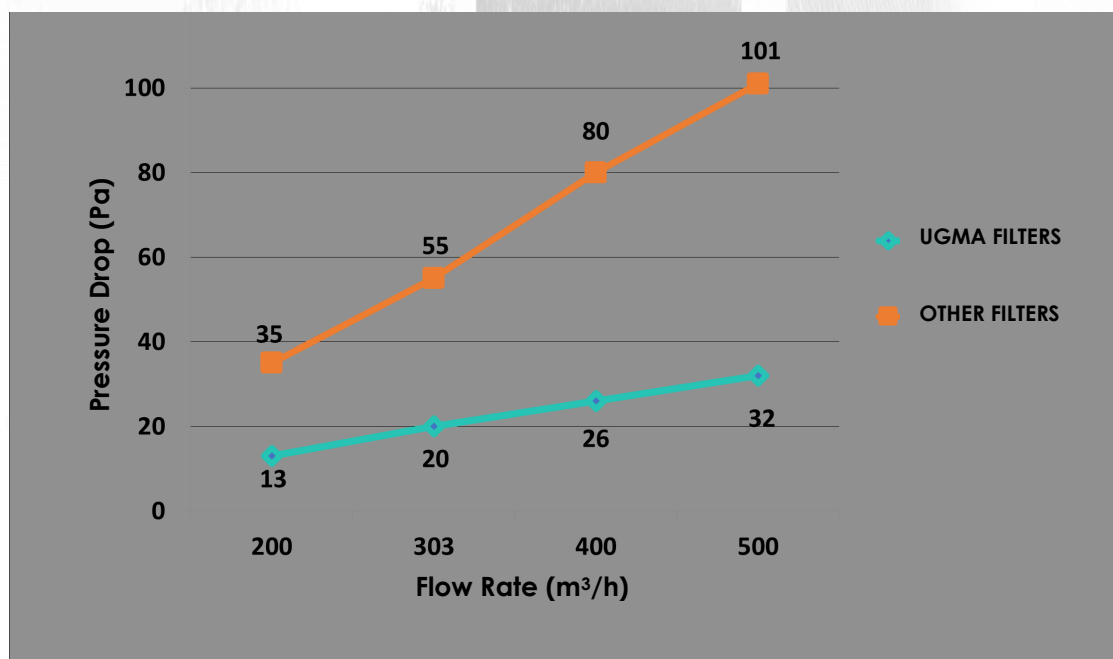


## MICROBIAL RETENTION

- ◆ 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.

**FİLKİM FİLTRE VE KİMYA SAN. TİC. A.Ş.**



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