

LG COMMERCIAL AIR PURIFIER



LG Commercial Air Purifier

Improving Air Quality in Commercial Environments and Public Buildings

As fine dust levels in our surroundings continue to rise, air purifiers are fast becoming a necessary appliance for consideration, not only for residential households, but also for public facilities such as educational institutions, commercial buildings and government offices. Choosing the right air purifier for the specific location is a critical decision.

An air purifier could be ineffective if it is not designed to cater for the space it is installed in.

The LG Commercial Air Purifier, with a capacity* of up to 158m², is designed to provide an advanced solution for improving and maintaining air quality within indoor locations. Featuring powerful air cleaning and easy maintenance design, the LG Air Purifier can create the pleasant indoor environment you require.

*158m² floor size. Tested in accordance with Korean Air Cleaning Association (KACA) Standard SPS-KACA002-132.



The Growing Necessity for Indoor Air Purifiers

There is a growing awareness of, and concerned about, outdoor air pollution and the potential impact on our health. Similarly, with many of us spending a large proportion of our time indoors, it is also important to consider our indoor air quality needs and how it can be managed and maintained.

Fine dust particles tend to stay longer in the air than heavier particles. This increases the chances of humans inhaling them into their bodies. Dust particles, smaller than 2.5 micrometres, are able to easily bypass the nose and throat and enter the lungs.

• Sources of fine dust and air pollutants

Educational Institutes

Dust and odours,
Formaldehyde from paint,
Volatile Organic Compounds
from furniture,
Toluene

Hotel

Dust and odours in carpets,
Smoke, Bathroom detergent
odours, Fungus

Office

Dust and odours, Formaldehyde from paint,
Volatile Organic Compounds from furniture

• How 'fine' is fine dust?

- PM^{2.5}: Combustion Particles, Organic Compounds < 2.5µm diameter
- PM¹⁰: Dust, Pollen, Mould < 10µm diameter



* Source : <https://www.epa.gov/pm-pollution/particulate-matter-pm-basics>

LG Commercial Air Purifier provides the best solution in any business environment

The LG Commercial Air Purifier offers an effective commercial solution, from small rooms to large halls and a variety of business areas including: commercial spaces, educational institutions, accommodation facilities and government offices.



Commercial Spaces

As large numbers of people visit commercial spaces such as restaurants, cafés and retail stores it's easy for external pollutants to enter with them. The LG Commercial Air Purifier is an effective and cost efficient solution built for long hours of operation. They can help maintain the air quality of indoor environments by responding to changes as people traffic through the locations.



Educational Institutes

The LG Commercial Air Purifier provides an effective solution for a variety of environments, from smaller spaces like classrooms to larger spaces such as auditoriums and gyms.





Sports / Leisure Facilities

Sports and leisure facilities are often enclosed spaces with a lot of people moving around and exerting themselves physically, so pollutants in the air can be quickly dispersed. The LG Commercial Air Purifier offers powerful air cleaning capabilities to help your customers and staff enjoy a wide range of sports and leisure experiences.



Office

In office environments, the LG Air Purifier can be a great investment to assist the wellbeing and productivity of employees. The LG Commercial Air Purifier offers solutions to corporates to cover both small and larger business spaces.



Hotel / Fitness Center

The LG Commercial Air Purifier can help provide a more satisfactory experience to customers and help to provide a pleasant environment.



Solution by Space

Hotel / Fitness Center

A comfortable and pleasant space reflects the quality of customer service of a hotel.

The LG Commercial Air Purifier complements spaces through excellent design and great performance.

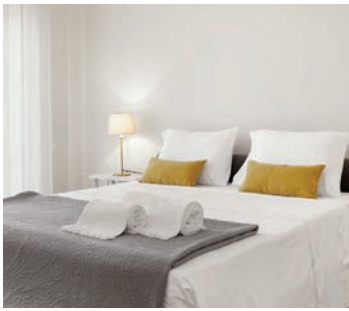


• Customer Needs for a Variety of Spaces



Lobby

The Lobby sets the tone of the building, and the expectation of the customer. Air purifiers should be able to efficiently cover the area, whether it be a boutique or more expansive area with a high-ceiling and large volume. The equipment in the room should complement the décor and design.



Guest Room

Guest rooms need to be private and comfortable. Therefore, a solution that is able to maintain a comfortable air quality is a must.



Fitness Center

Fitness centres require high-performance air purifiers since they may need to cater for a lot of people doing activities that create and disperse volumes of dust and airborne particles.

LG Commercial Air Purifier Solution

- ✓ Premium design that compliments furniture and interior design
- ✓ Low-noise mode
- ✓ Removal of unpleasant odours
- ✓ Convenient Smart Function (Wi-Fi, Central controller integration available)

Solution by Space

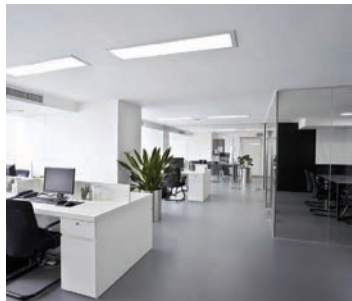
Office

In large office buildings, the air is often recirculated and windows are difficult to open, making access to fresh air circulation problematic.

The LG Commercial Air Purifier provides the office environments with a solutions for a variety of applications.



• Customer Needs for Spaces



Office

In an office, many people are closely co-located, and it is often difficult to open windows.

New office furniture often emits odours and chemicals known as Volatile Organic Compounds (VOC). As such pollutants and harmful gases may need to be removed effectively.



Meeting Room

Meeting rooms are spaces where people regularly gather, introducing and concentrating air pollutants in a small space.

Fast air cleaning is needed to keep the air in the room of suitable quality.



Executive Room

Executive rooms represent the image of the company. Not only does the air quality need to be exemplary, the design of the equipment must work in harmony with the décor of the room to create a lasting, positive impression.

LG Commercial Air Purifier Solution

- ✓ Low-noise setting for working environments
- ✓ Premium design to compliment the office space
- ✓ Convenient Smart Function (Wi-Fi, Central controller integration available)

Solution by Space

Education Institutions

Educational facilities such as schools, daycare centres and academic institutions are exposed to fine dust and air pollutants due to the large numbers of people and activities they cater for. The LG Commercial Air Purifier has received certification for use in schools*.



*Clean Air Certificate issued by Korean Air Cleaning Association (KACA), tested in accordance with KACA standard SPS-KACA002-132 for Mid Size Type and School Type Air Purifiers.

• Customer Needs for Spaces



Classroom

Fine dust levels can be relatively high in classrooms due to the density and movement of students within a confined space.



Gym

Physical activity and the movement of children can increase the fine particle count in the air sharply, and the intake of these particles as physical exertion increases.

To counteract this, an air purifier with large, rapid air cleaning power is required.



Day Care Center

The intake of dust can be irritating for young children. Air purifiers can reduce the amount of circulating fine dust.

LG Commercial Air Purifier Solution

- ✓ Auto Mode: Automatically changes according to the air quality detected.
- ✓ Child Lock – Provides a security setting to limit access for infants and toddlers.
- ✓ Korean Allergy Foundation Certified
- ✓ HEPA 13 Filter
- ✓ Space-saving design enables extra utilisation of space
- ✓ Convenient Smart Function (Wi-Fi, Central controller integration available)

Certificate



Line-up

LG Commercial Air Purifier



Effective and Fast Purification

Air Circulation

LG Commercial Air Purifier technology "Direct Air Circulation" provides efficient room coverage of filtered air. Polluted air is taken in at the lower front section of the LG Commercial Air Purifier and clean air is discharged from the higher front portion of the unit.



Space-saving Installation

The "Direct Air Circulation" design enables space efficient installation and enables the Commercial Air Purifier to be installed against a wall or recessed and situated inside a wall cavity. Filter maintenance can be done by accessing the front of the unit and without moving the product.



Filtration System

The LG Commercial Air Purifier has a filter system that removes harmful substances.

Allergen and Dust Filtration

- Large dust particle reduction
- Fine dust particle reduction
- Allergy Filtration

Harmful Gas Filtration

- Odours (including ammonia - NH₃)
- New house gas reduction (VOCs)
- Smog (main components) reduction (SO₂, NO₂)



Smart Solution with LG ThinQ™

Easily control the Commercial the Air Purifier from anywhere*.



* (LG ThinQ® app lets you control the air purifier with a smartphone. Features can be accessed via the LG ThinQ app on Android or iOS smartphones. Internet connection and product registration on the ThinQ app required. Compatible smartphone required. iOS 8/Android 4.1.2 (Jellybean or later)

Reference Sites (Examples)

LG Commercial Air Purifier



Specification

Model Name	AG16GBWC0
Size (W x D x H) (mm)	590 x 320 x 1840
Applicable Area (CA, m²)	158.0 m ²
Weight (kg)	32
Power Input	220-240V ~ 50/60Hz
Colour	White
Production Site	Korea
Sensor	Dust (PM1.0 Sensor) / Gas
Filter Replacements Composition	HEPA 13 Filter x 10 Odour Filter x 10
Warranty	<ul style="list-style-type: none"> • Air Purifier : 2 year warranty (parts and labour) • Inverter Motor : 10 year parts warranty (2 years parts and labour + 8 years on inverter motor (parts only).
Remote Controller	•
Noise (dB)	50 (max)
Fan Speed	Auto / Low / Mid / High
Operating Mode	General / Speed / Quiet / Auto
Clean Display Colour	4 step (Green - Yellow - Orange - Red)
Sleep Reservation	•
Smart Function	Wi-Fi (ThinQ) Smart Diagnosis Lock Function Filter Check Notification



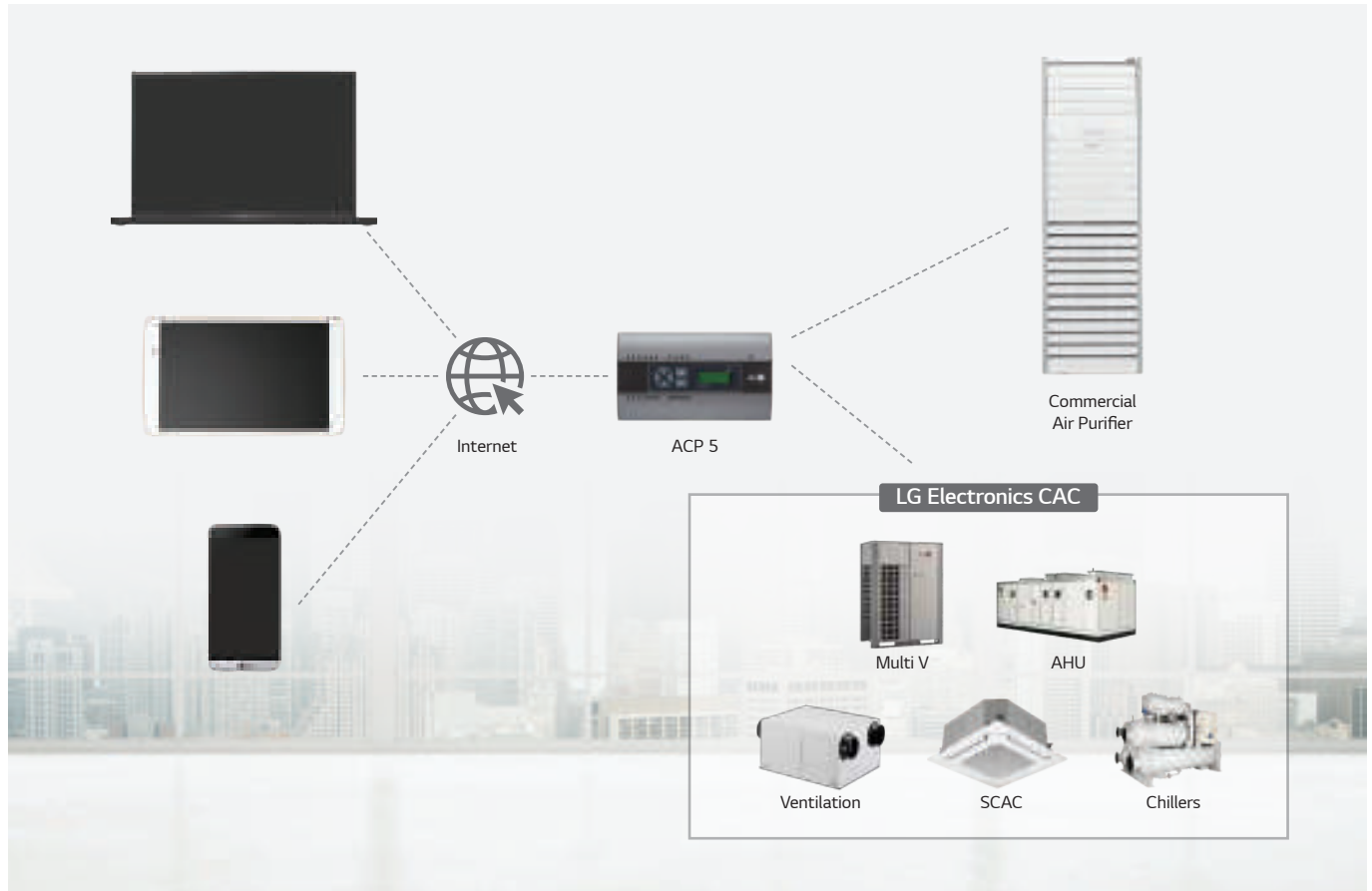
Filter

Model Name		PFSBNB10
Filter Replacements Composition		HEPA 13 Filter x 10 Odour Filter x 10
Box Size (W x D x H) (mm)		595 x 590 x 400
Box Weight (kg)		9.04
Production Site		Korea
Applied Model		AG16GBWC0
Allergen HEPA Filter(1EA)	Size (W x D x H) (mm)	512 x 337 x 45
	Weight (kg)	0.535
Deodorising Filter(1EA)	Size (W x D x H) (mm)	515 x 340 x 10
	Weight (kg)	0.24



Integrated Management

The Commercial Air Purifier can be monitored and controlled with an LG central controller.
(Central controller is an optional accessory – sold separately)



Remote Online Management

Monitor and operate on a compatible device via the internet.



PC : Manager room



Tablet : Working space



Mobile : Outside

Chrome browser is recommended.

Central Controller

Operate multiple units from a central location and controller.
(Central controller is an optional accessory – sold separately)





www.lg.com/au

Business Card