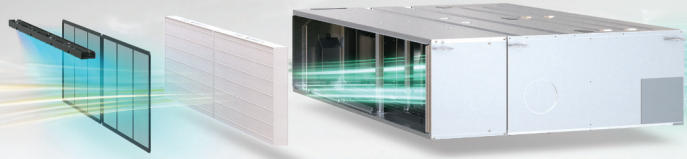# LG
Life's Good

LG Ducted Air Conditioning Air Quality Solution
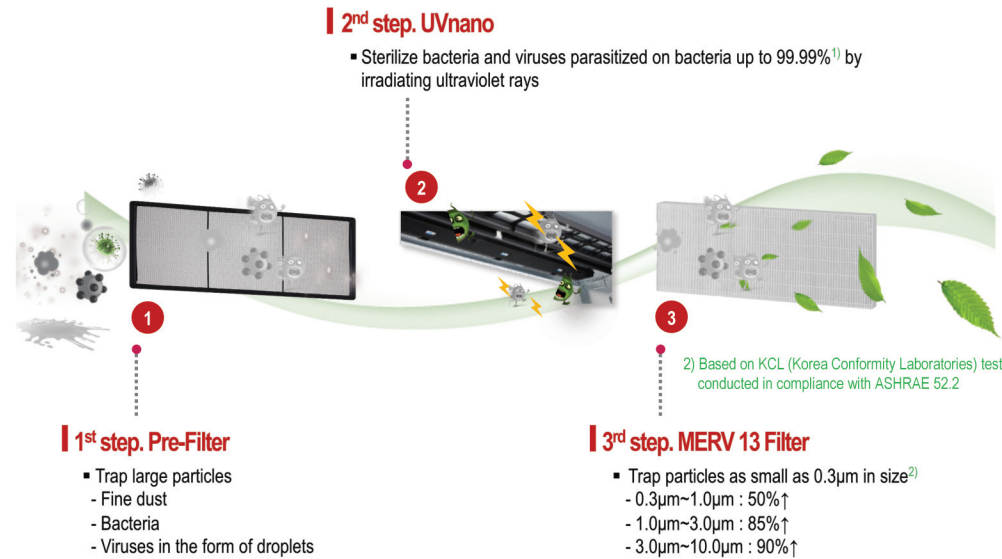
Be Ahead and Stay Fresh
Clean and Fresh air with LG Duct UVnano Filter Box

What Is Indoor Air Quality (IAQ)

(IAQ) is the air quality within the building is directly Affecting health, and comfort of the occupants. If concentration of pollutants (dust particles, microorganisms) in the air exceeds the limits suggested by ASREA 62.1; the IAQ is considered poor and may cause health problems.

Why LG UVnano Filter Box

3 stage filtration to create safe environment by trapping and removing various harmful substances such as fine dust, bacteria and viruses in the form of droplets
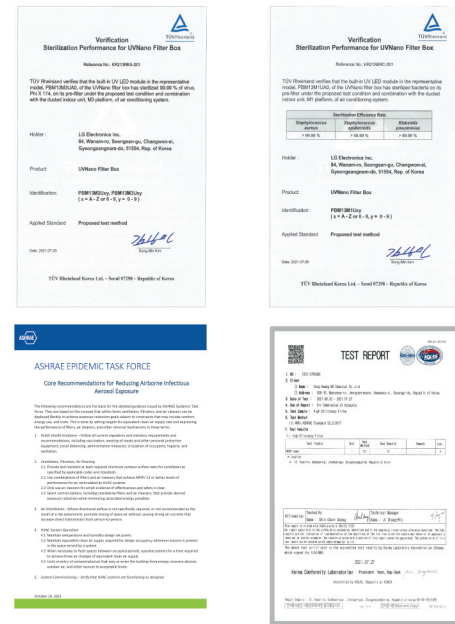
2nd step. UVnano
- Sterilize bacteria and viruses parasitized on bacteria up to 99.99%[1] by irradiating ultraviolet rays

1st step. Pre-Filter
- Trap large particles
  - Fine dust
  - Bacteria
  - Viruses in the form of droplets

3rd step. MERV 13 Filter
- Trap particles as small as 0.3μm in size[2]
  - 0.3μm~1.0μm : 50%↑
  - 1.0μm~3.0μm : 85%↑
  - 3.0μm~10.0μm : 90%↑

2) Based on KCL (Korea Conformity Laboratories) test conducted in compliance with ASHRAE 52.2

Specifications

Product		Unit	48 – 54 kBtu/hr Indoor unit PBM13M3UA0	28 – 42 kBtu/hr Indoor unit PBM13M2UA0	7 – 24 kBtu/hr Indoor unit PBM13M1UA0
Filter Box	Net Size (W X H X D)	mm	1,250 X 360 X 280	1,250 X 270 X 280	900 X 270 X 280
	Shipping Size (W X H X D)	mm	1,396 X 418 X 358	1,396 X 328 X 358	1,044 X 328 X 358
	Net Weight	kg	11.6	10.5	8.5
	Shipping Weight	kg	15.8	14.3	11.5
Pre-Filter	Mesh	-	34 X 39	34 X 39	34 X 39
	Color	-	Black	Black	Black
UVnano	UVC LED Model	-	LTPL-G35UV275TWA	LTPL-G35UV275TWA	LTPL-G35UV275TWA
	UVC LED Quantity	EA	8	8	8
Filter (1)	Size (W X H X D)	mm	600 X 341 X 50.8	600 X 251 X 50.8	600 X 251 X 50.8
	Quantity	EA	2	2	1
	Grade	-	MERV 13	MERV 13	MERV 13
Filter (2)	Size (W X H X D)	mm	-	-	250 X 251 X 50.8
	Quantity	EA	-	-	1
	Grade	-	-	-	MERV 13

Certification

- 99.99% sterilization capability against virus parasitized on bacteria in accordance with TUV Rheinland Standard

- MERV 13 Filter is recommended in accordance with ASHRAE to prevent the spread of infectious disease

Easy Filter Management

▪ Pre-Filter
- Reusable after washing with water
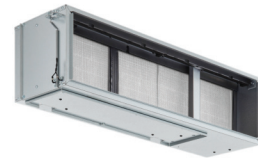- Replacement recommended after washing 2~3 times

Using the warm water and the neutral detergent

▪ UVnano
- Semi-Permanently without replacement

▪ MERV 13 Filter
- Replacement recommended within 3~6 months of use
- Possible to check the accumulated usage time of MERV 13 Filter through Standard III wired remote controller

Filter Sign

The New 5-Step Air Purification for LG Cassette

LG Cassette types indoor unit equipped with air purification. A powerful 5 step air purification removes up to 99.9% of PM 1.0. Its most important advantage is that it can be used semi-permanently. The filter can be simply cleaned with water without the need to replace it. Funthermore, it can also purify up to 147m2 and cover a wider space than that of the cooling area.

- IONIZER
- DEODORIZATION FILTER
- PM1.0 FILTER
- DUST ELECTRIFICATION
- PRE-FILTER

How to Clean Filters

Pre- Filter

1. Take hold of the tab and pull slightly forward to remove the filter.

2. Clean it with a vacuum cleaner or a soft brush, or wash it with lukewarm water. If contamination is severe, wash it with water using a neutral detergent.

3. Dry the filter completely in the shade.

4. Install the filter in the reverse order you removed.

※ Cautions
- Do not use hot water above 40℃.
- Do not expose the filter directly to sunlight.
- Do not dry the filter with a heating element.
- Clean the filter every 2 weeks. (Based on 8 hours of use per day)

PM1.0 Filter / Deodorizing Filter

PM1.0 Filter / Deodorizing Filter

1. Press the fixing hooks on both sides and open the grille.

2. Remove the PM1.0 Filter by pressing the fixing hook.

3. Remove the Deodorizing Filter from the PM1.0 Filter.

PM1.0 Filter

Deodorizing Filter

4. Wash the PM1.0 Filter with water. If contamination is severe, wash it with water using a neutral detergent.

5. Dry the PM1.0 Filter completely in the shade.

6. Dry the Deodorizing Filter in sunlight or fluorescent light for 3 hours.

7. Install the filters in the reverse order you removed, then close the grille.

※ Cautions
- Do not use hot water above 40℃.
- Do not use a brush when clean the PM1.0 Filter.
- Do not expose the PM1.0 Filter directly to sunlight.
- Do not dry the PM1.0 Filter with a heating element.
- Do not wash the Deodorizing Filter with water.
- Clean the filters every 6 months. (Based on 8 hours of use per day)

Ultrafine Dust Removal Performance

LG Air Purification Kit can remove 99.9% of 50 & 100 nm ultrafine dusts by collecting them.

Bacteria & Virus Removal Preformance

LG Air Purification Kit can remove more than 99% of bacteria and virus by collecting them.