

# Air QUEEN

Nano Fiber Filter Mask KF94

The Vital Shield for You and Your Loved Ones



24

# Introducing Air QUEEN mask from Korea

## It's a mask with a difference

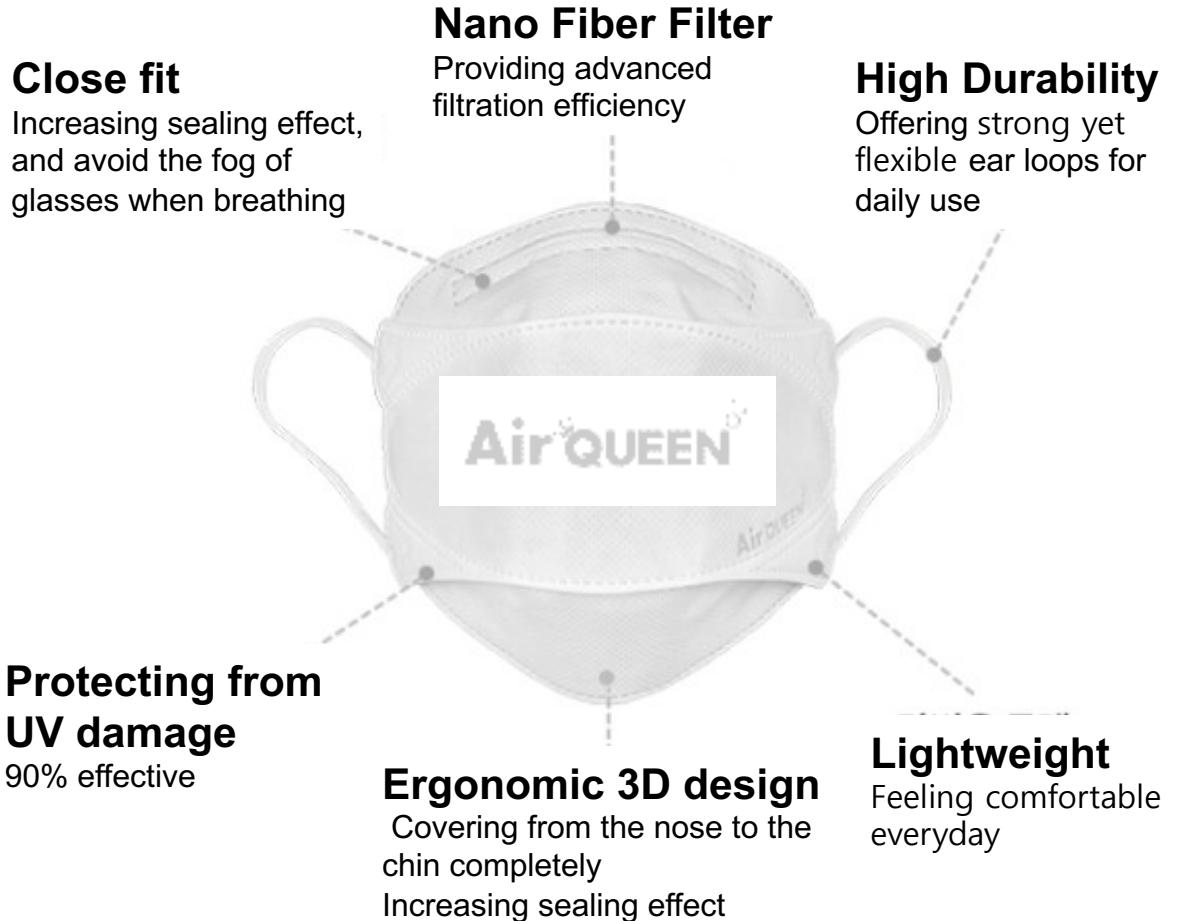
The upcoming Korean brand that has manufactures its products under the guidance of researchers and analyses and understands the problems of its consumers. Air QUEEN tries to bring in the best of technology and information to provide wholesome benefit to customers.



Thin and light

Nano fiber filter

Ergonomic design



If you are looking for comfortable and tension free days, Air QUEEN is the perfection solution for you.

Korea No.1  
Advanced R&D center based manufacturer

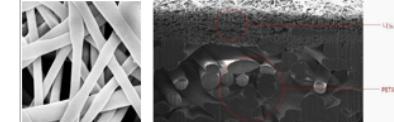
Nano  
Technology  
Game  
Changer  
**‘LEMON’**

*Leading EMI & Membrane Of Nano Technology*

## Superior Technology Invention

LEMON's Nano Membrane Technology is the result of best of the efforts and studies done by top Korean researchers. They hold a lot of patents in many different countries such as Korea, China, Japan, USA and Germany.

이자전지 분리막용 PET 부직포 및 이를 포함하는 이자전지용 분리막  
출원 10-2012-0119079  
등록 1012569680000 (2013.04.16)



이자전지용 폴리에틸렌테레프탈레이트 분리막  
출원 10-2012-0129995 (2012.11.16)  
등록 10-1292656 (2013.07.29)

전해액 젖을성이 우수한 이자전지용 분리막 및 이의 제조방법  
출원 1020130008513 (2013.01.25)  
등록 1012672830000 (2013.05.08)

연구소를 갖는 하이브리드 난류분 세퍼레이터  
출원 1020130013255 (2013.02.06)  
등록 1012926570000 (2013.07.29)

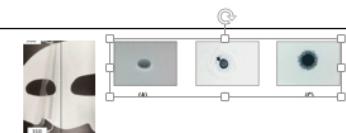


전자파 차폐막  
출원 1020140003931 (2014.01.13)  
등록 1014240300000 (2014.07.22)

나노섬유 멤브레인을 적용한 투습방수시트  
출원 1020160151101 (2016.11.14)  
등록 1018895310000 (2018.08.10)  
10 : 나노 캐비티 쟁포레인증  
20 : 거지증  
21 : 거지증  
22 : 층포장  
30 : 접합부  
31 : 제 1접합부  
32 : 제 2접합부  
40 : 헛걸로 방사증  
5 : 나노 캐비티 쟁포레인증과 거지증 사이에 시격처 흥간  
중앙 분리점 이형증을 포함하는 자외선 차단 피부밀착성 미용 시트 및 이의 제조방법  
출원 1020170000769 (2017.01.08)  
등록 1017734510000 (2017.08.25)



기능성 미용 페이스 시트  
출원 1020170080244 (2017.06.26)  
등록 1019195640000 (2018.11.12)



# 'LEMON'

Leading EMI & Membrane Of Nano Technology



## Proven Manufacturing Conditions High Quality

KFDA Registration / ISO 9001

We always deliver from the manufacturer certified and validated for environment management system and manage masks in a hygienic way.

# 'LEMON'

Leading EMI & Membrane Of Nano Technology

## Certifications

Eco-friendly certificate without detection  
of hazardous substances from SGS



TECHNICAL DATA SHEET

Model Name	HC-M1	Customer	SOONLAB
Lot No.	NF PV-NM 201601.01		
Quantity	1	Shipping Date	2016.01.21

Specification				
Physical Property	Value	Unit	Remark	Test Method
Air permeability	27.50	cfm	175Pa	ASTM D 737
*Efficiency	88.65	%	NaCl (0.3%)	In-house
*Pressure drop	4.95	mmH <sub>2</sub> O	NaCl (0.3%)	In-house
Color	White			

\*필터 효율 측정기 (TSI 8130) 측정사용

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GOHA Manager

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# Mask Filter Technology Game Changer **‘Nano Membrane’**

*Leading EMI & Membrane Of Nano Technology*

Of all the filters,

## Why should be NANO-BEYONDTEX?

Most existing masks are less efficient due to moisture generated when breathing in an electrostatic manner.

NANO-BEYONDTEX is 0.1  $\mu\text{m}$  larger than air particles and smaller than harmful particles, and is filtered by the nanofiber structure itself, allowing for long wear and breathability, blocking, and durability.



Breathability



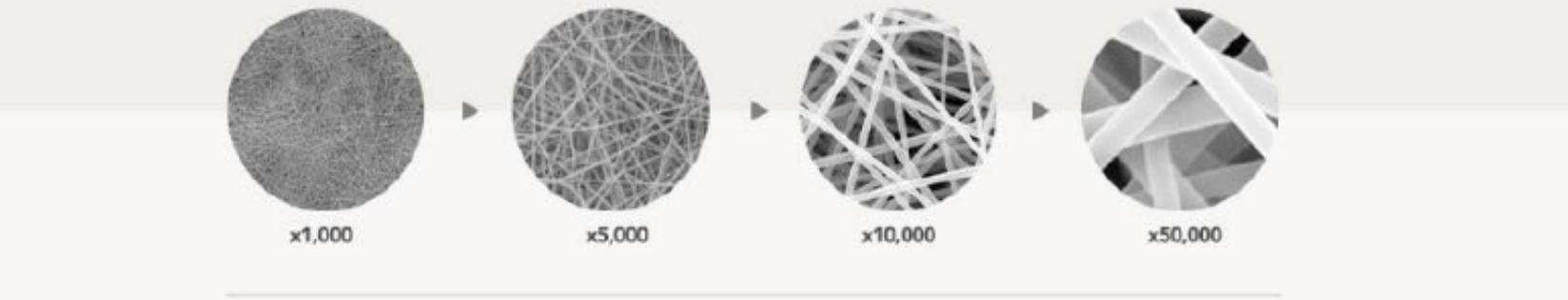
Blocking



Durability

# 'Nano Membrane'

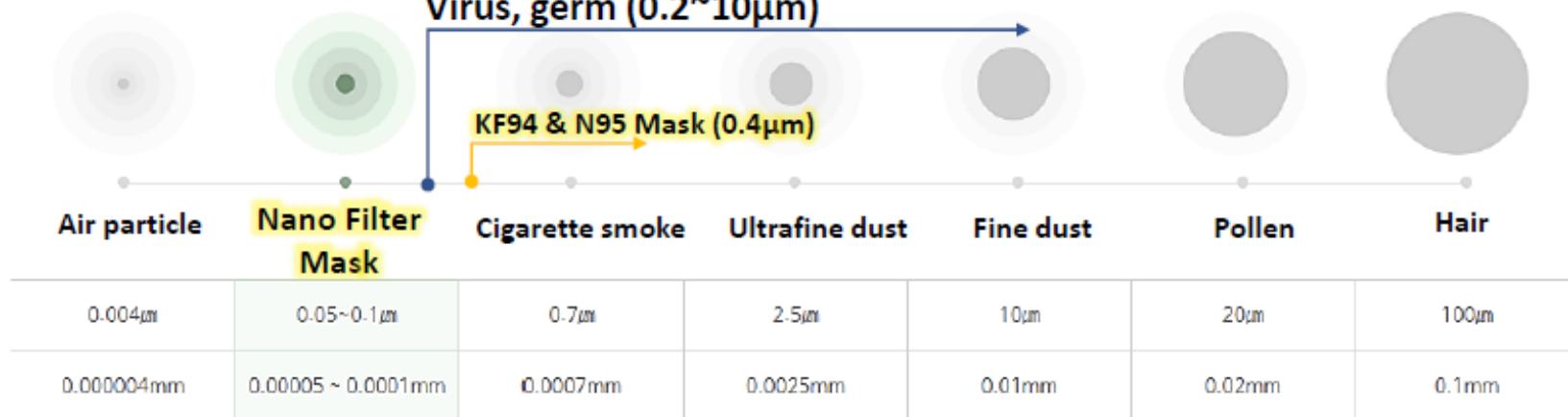
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## BEYONDTEX

Made of nanofiber called dream material, BEYONDTEX has numerous invisible air holes  
The air is well ventilated and harmful substances have the property of filtering.

## Filtering Performance Comparison



## BREATHING FIBER

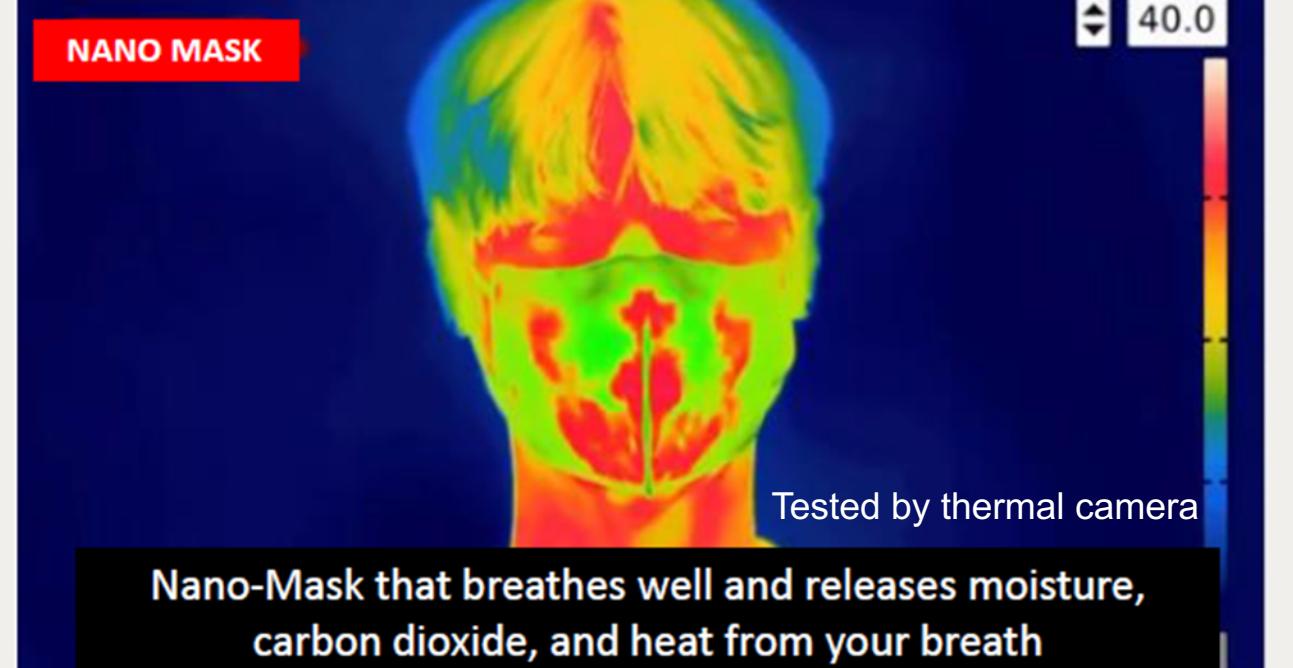


Most existing masks are less efficient due to moisture generated when breathing in an electrostatic manner.

NANO-membrane is 0.1  $\mu\text{m}$  larger than air particles and smaller than harmful particles, and is filtered by the nanofiber structure itself, allowing for long wear and breathability, blocking, and durability.

# 'Nano Membrane'

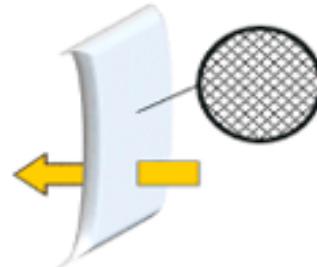
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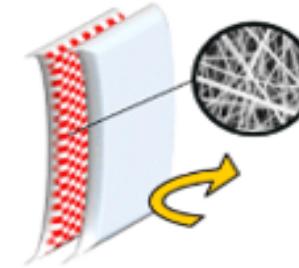
# ‘Nano Membrane’

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## General Mask VS Nano Mask Structure comparison



Non-woven fabric with  
the fiber diameter  
20,000mm



Fine dust blocked,  
No problem!

### 100% Feeling refreshed

High air permeability allows air to pass through freely, and discharges water vapor and body heat from the inner side. It keeps breathing air always clean and cool, and makes wearing a mask more comfortable than ever

O  
Air QUEEN  
M A S K



Absolute protection during the coronavirus outbreak

KFDA Approved

Nano Filter Applied

Soft on the skin with high durability

Infectious Disease Protection



Minimizing Weight, Maximizing Comfort



Most masks  
over 5g

**Coming in a range of simple colors designed to complement any outfit.** From the urban commuter through to the corporate professional, dress it up with a blazer or rock it with your favorite pair of jeans.



**01. White**

Simple Is The Best!

**02. Black**

All Black Chic



### STEP 1

Hang the ear band to ears and adjust dotted line to your jawline



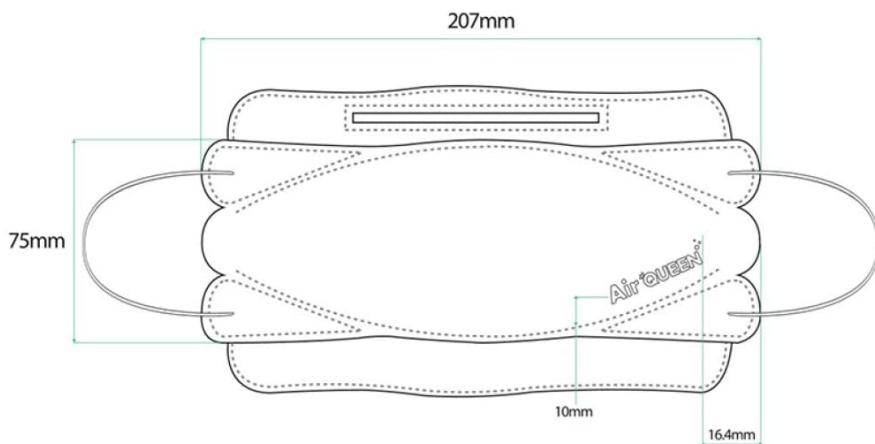
### STEP 2

Check if both jawline stick to your mask



### STEP 3

Press the nose wire and make sure if it fits the face



### Cautions

- Do not use in environment of oxygen concentration that is less than 18%
- Do not use if the inner side is polluted
- Do not use if the mask is out of shape
- Do not wash and reuse the mask
- In case of pregnant woman, respiratory and cardiovascular disease patient, kids, the old and the infirm, please consult your doctor for advice if breath is not comfortable after using