

# What is important for air is anti-bacterial and removing properties

Proprietary anti-bacterial filter

Non-woven fabric filter element

Using silver-based anti-bacterial agents

**Anti-bacterial power**

Proprietary bacteria removing filter

Hollow fiber membrane

Removal rate  
99.999999%

**Bacteria removing power**

**Bactericidal activity value 4 or more**

**Bacteria trapping performance**

**LRV $\geq$ 8**

# compressed bacteria

**FP**  
Food Process®



The background is a simulated image.

# Reliable anti-bacterial and bacteria removing power with a module type triple block design



**FDA**  
compatible materials  
Fluid passage section  
Resin/Rubber

**4 or more**  
Bactericidal  
activity value

**LRV8**  
or higher  
Bacteria trapping  
performance

Materials compatible  
with the Food  
Sanitation Act  
Fluid passage areas  
made of resin/rubber

Uses  
**NSF H1**  
food-grade  
grease

External parts  
**Anti-bacterial**  
material used



**Odor removal filter added**  
Uses fiber activated carbon.  
With a large activated carbon  
adsorption area, it realizes high  
suction performance and long life.



**SUS used for push ring**  
Risk of contamination is reduced,  
allowing for installation near the  
use point without worries.



## Maintenance .....

**Replaceable elements**  
Elements are easy to replace.

Equipped as standard with maintenance seal  
\*Attached with the product.

The replacement period is clearly indicated.



\* The bactericidal activity value and bacterial trapping performance value are actual values based on predetermined conditions set by CKD.

# Anti-bacterial

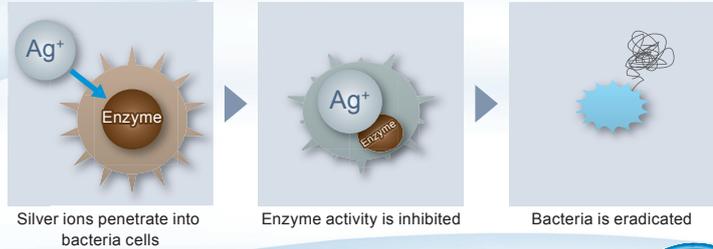
Proprietary anti-bacterial filter

Stops  growth!

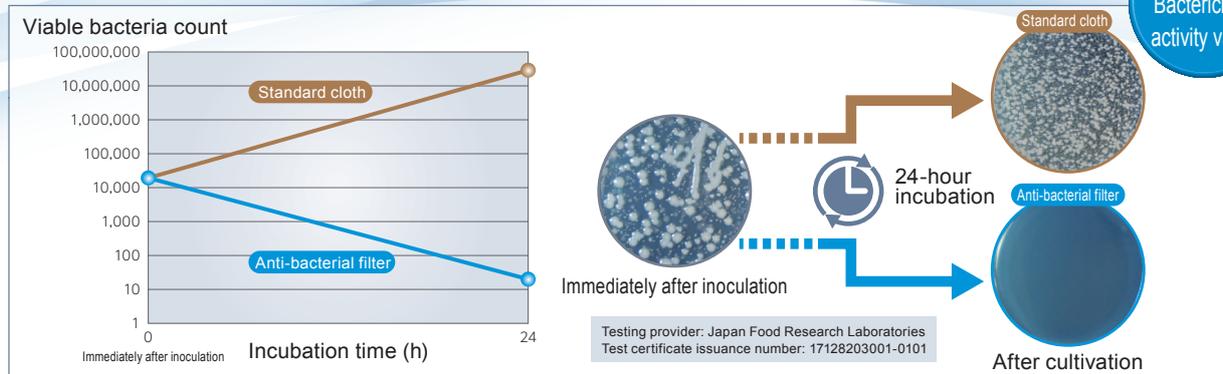
Non-woven fabric filter element that uses silver-based anti-bacterial agent

Non-woven fabric uses silver-based anti-bacterial agent

The silver ions included in the anti-bacterial filter are absorbed into the bacteria cells, the bacteria enzyme's actions are obstructed, and they die out.



## Anti-bacterial performance



Verification data from tests based on JIS L 1902:2015

# Bacteria Removal

Proprietary bacteria removing filter

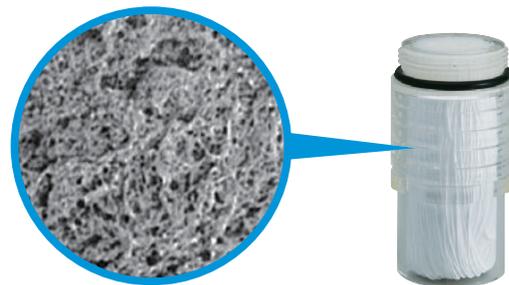
Removes  !

Removal rate 99.999999% hollow fiber membrane

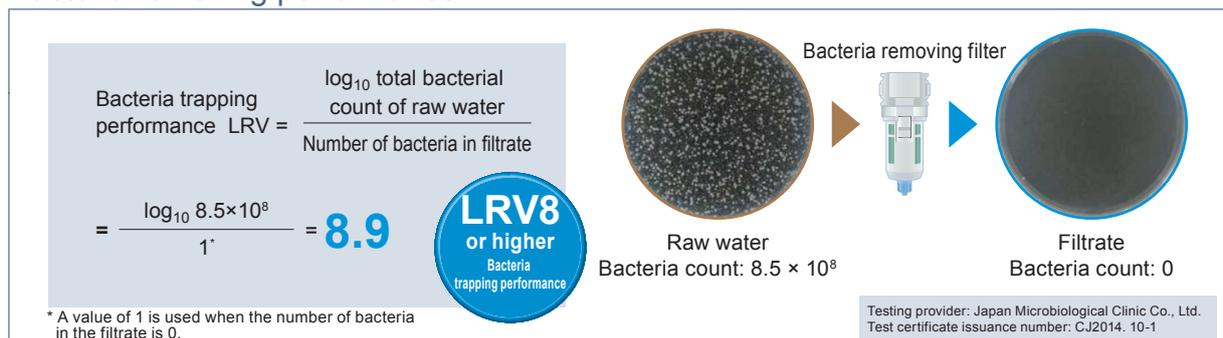
Hollow fiber membrane

The bacteria removing filter consists of a straw-shaped fiber membrane with a countless number of special slit-shaped ultrafine pores.

These pores trap bacteria when the compressed air passes through.



## Bacteria removing performance



Verification data from tests based on JIS K 3835