

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

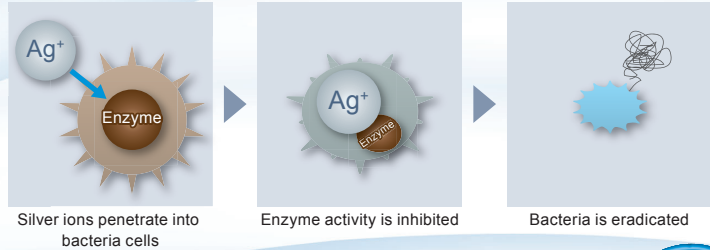
Proprietary anti-bacterial filter

Stops  growth!

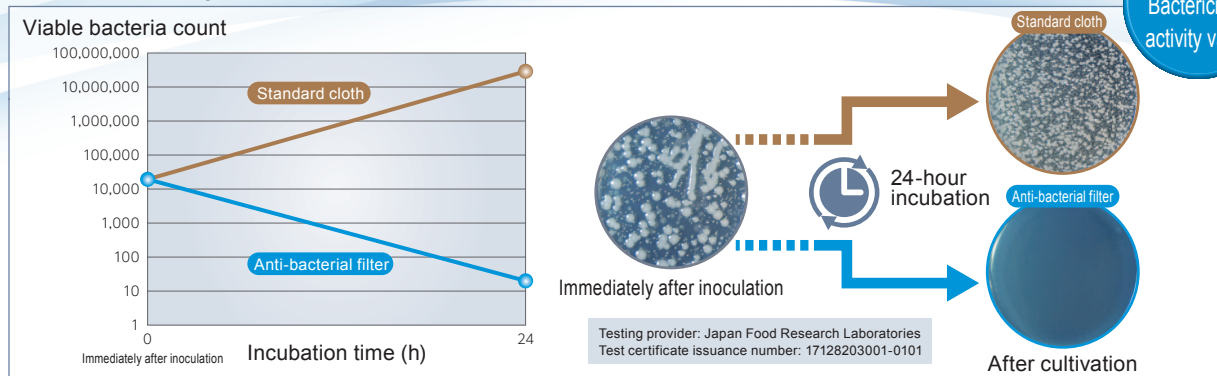
Non-woven fabric filter element that uses silver-based anti-bacterial agent

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

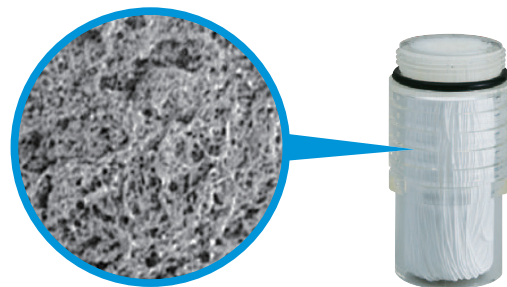
Removes  !

Removal rate 99.999999% hollow fiber membrane

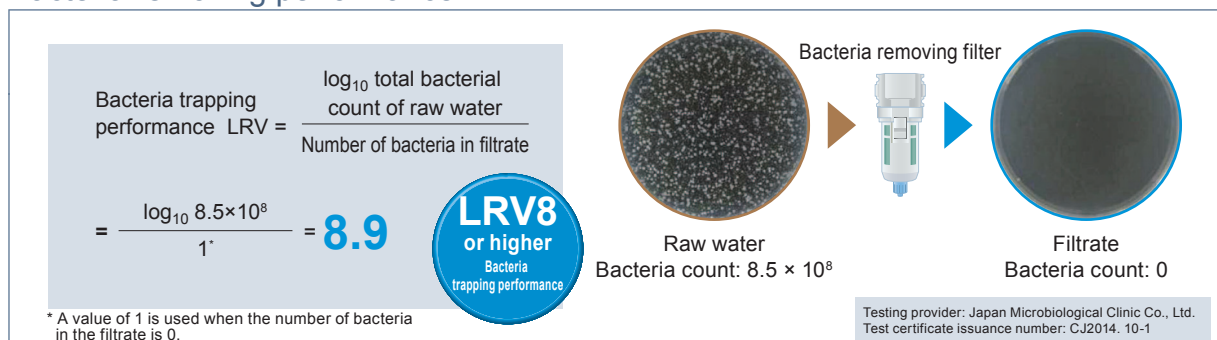
Hollow fiber membrane

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