

# Clean Air



Applied models  
SRK-ZJX, SRK-ZE,  
SRK-HG, SRK-HE

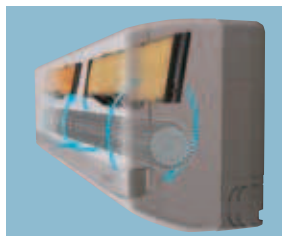


**Generates the same amount of negative ions as a forest environment**

## 24-hour ION

The air conditioner main body employs a tourmaline-coated sheet. The sheet generates negative ions around the clock. Even when the air conditioner is not running, it generates as many negative ions (2,500– 3,000/cc) as in a forest, stream or fall does, allowing you to experience them without incurring any electrical charges.

Applied models  
SRK-ZJX, SRK-ZE,  
SRK-ZJR, SRK-ZJ,  
SRK-ZJP, SRK-HG,  
SRF-ZJX, SRR-ZJ

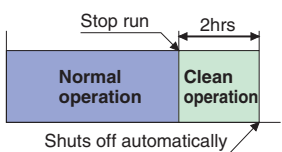


**Always keeping the indoor unit clean**

## Self Clean Operation

“Self clean operation” is operated for 2 hours after the unit has stopped its normal operation.

The indoor unit is dried up and the growth of mold is restrained. Users can select whether this mode is utilized or not.



### Situation of mold after one week

When you don't execute “Self Clean Operation”

Fungal mycelia expand.

Fungal mycelia

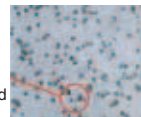


Spore of mold

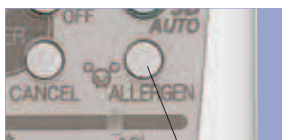
When you execute “Self Clean Operation”

The spore of mold doesn't germinate.

Spore of mold



Applied models  
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SRK-ZJR, SRK-ZJ



Push ALLERGEN Mode

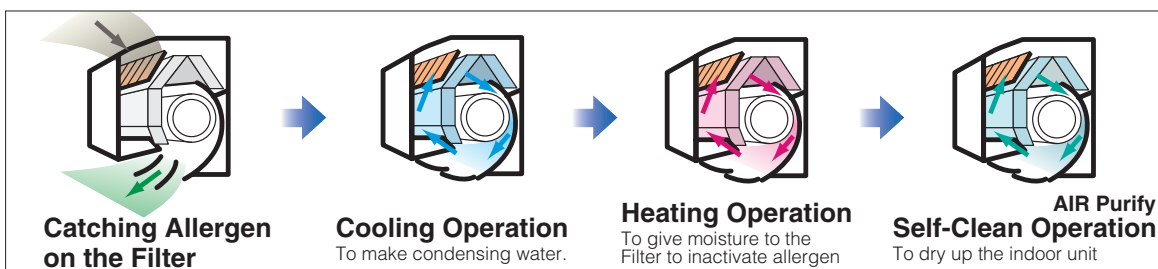
**The air in your room is kept fresh**

## Allergen Clear System

**First in the world**

“Allergen clear system” is equipped to suppress the influence of the allergen caught by the filter by controlling the temperature and humidity.

**20 of Patent Pending**



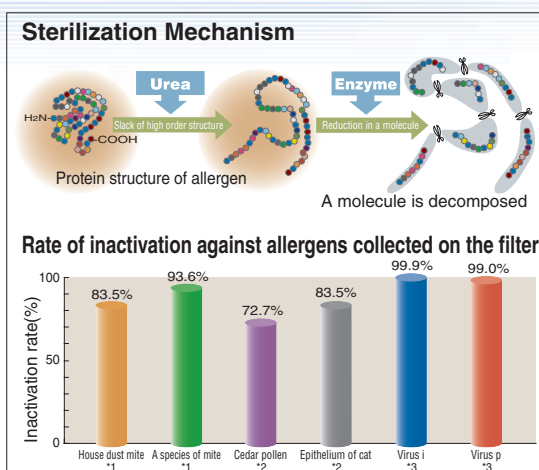
**This is the original and only technology to control the temperature and humidity for inactivating allergens**

## Allergen Clear Filter

**Enzyme + Urea deactivates allergens and kills bacteria.**



The allergen clear filter breaks down the pollen, lice, and allergens that live on cat skins, etc. and deactivates them. The secret of deactivation is the Enzyme-urea compound. It deactivates not only allergens but also all kinds of bacteria, molds and viruses. Even if allergens and bacteria, etc. fly off of the filter, they are deactivated, so the air in your room is kept fresh.



\*1 Test method: ELISA colorimetric method / ELISA fluorescent method  
Laboratory: Independent administrative agency national hospital mechanism Sagami Hospital, No.1536  
\*2 Test method: ELISA colorimetric method  
Laboratory: Independent administrative agency national hospital mechanism Sagami Hospital, No.1536  
\*3 Test method: TCID (Infection value 50%)  
Laboratory: Foundation of Kitazato Environmental Science Center, No.15-0145

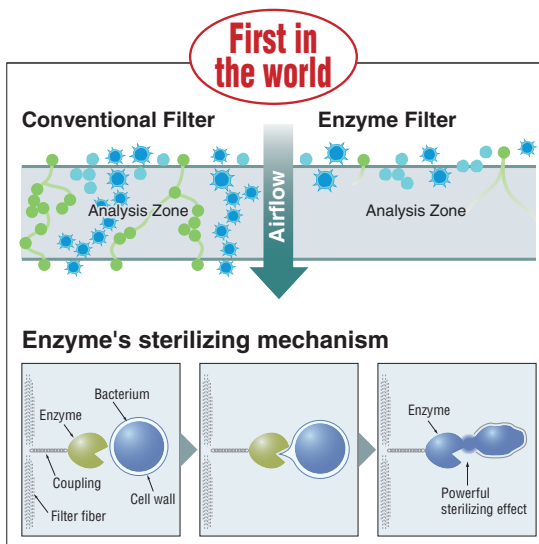
**Sure to destroy fungi and bacteria, also effective on viruses and allergenic compounds (Cat hair, dust mite, pollen etc.)**

## Natural Enzyme Filter

**The first release in this range of the enzyme-sterilizing filter**



Enzymes used in these filters are naturally occurring lytic enzymes. The lytic enzymes attack cell walls of microorganisms trapped on a filter and destroy them and doing so, have a powerful sterilizing which will effect decrease the number of molds and bacteria. Natural Enzyme Filter will clean and sanitize air passing through it to keep air in the room clean and safe.

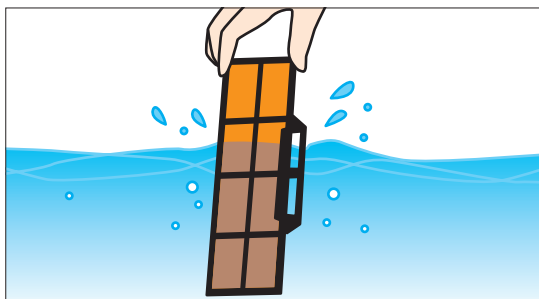


**The deodorizing ability of this filter can be easily restored simply by cleaning and exposing to the sunlight**

## Photocatalytic Washable Deodorizing Filter



It will keep the air fresh by deodorizing the molecules causing odor. Its deodorizing power can be restored by washing with water and drying under the sun, as such it is a Recycling deodorizing filter capable of repeat use.

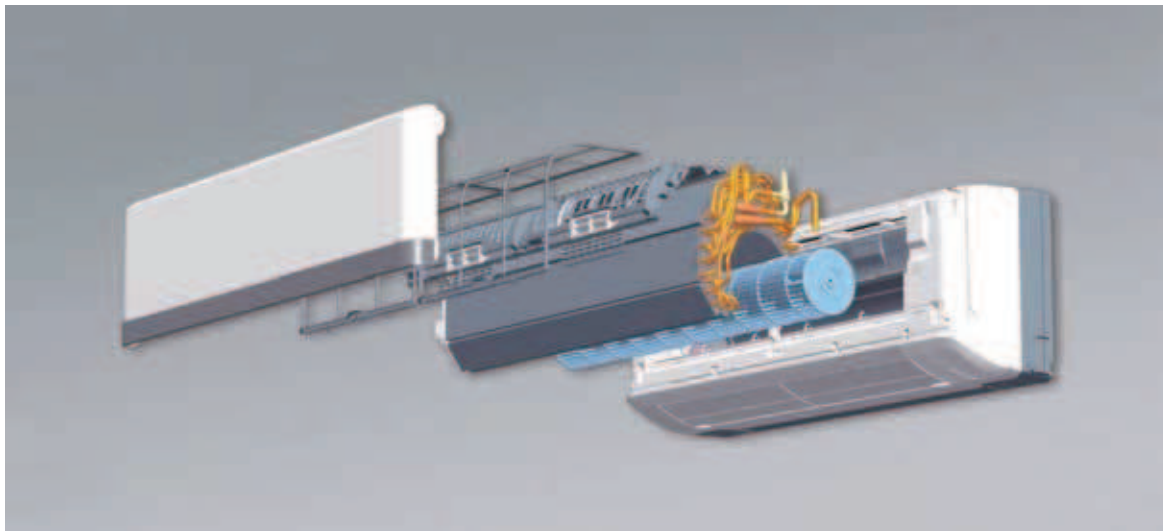


### Used in models

Filter	Indoor Unit	SRK-ZJX	SRK-ZE	SRK-ZJR	SRK-ZJ	SRK-ZJP	SRF-ZJX	SRK-HG	SRK-HE
Allergen Clear Filter		1pc	1pc	1pc	1pc	—	—	—	—
Natural Enzyme Filter		—	—	—	—	—	1pc	1pc	1pc
Photocatalytic Washable Deodorizing Filter		1pc	1pc	1pc	1pc	—	1pc	1pc	1pc

**Anti-microbial specifications and design will deliver cleanliness and safety**

## Anti-microbial blower fan

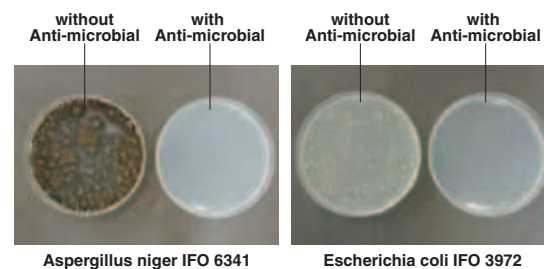


The blower fan has undergone anti-microbial treatment to resist mold and germs, making the system clean and safe. Foul odors and molds, etc. which can occur when an air conditioning system is not in operation are prevented.



Comparison of growth of bacteria and mold on fan surfaces (microscopic image)

- Intestinal bacteria (Escherichia coli IFO 3972)
- Staphylococcus aureus subsp. aureus IFO 12732  
Testing Authority: Japan Food Analysis Center  
Test Results Issued: 2004-4-7.  
Test Report No.: 104034022-001  
Tests were conducted with reference to the antimicrobial strength tests in JIS Z 2801 2000 "Antimicrobial Products-Antimicrobial Test Method" -5.2 Antimicrobial Effects: Test Methods for Plastic Products, etc.
- Aspergillus niger IFO 6341  
Testing Authority: Japan Food Analysis Center  
Test Results Issued: 2004-4-23.  
Test Report No.: 104034022-002  
Tests were conducted with reference to the antimicrobial strength tests in JIS Z 2801 2000 "Antimicrobial Products-Antimicrobial Test Method" -5.2 Antimicrobial Effects: Test Methods for Plastic Products, etc.



Aspergillus niger IFO 6341

Escherichia coli IFO 3972

In tests conducted at the Mitsubishi Heavy Industries Nagoya Research Lab, 24 hrs after contact with bacteria, cultured on agar media.

### Live Bacteria Count on Measured Test Pieces

Tested Contaminant	Measurement	Test Pieces	Bacteria Count Per Test Piece		
			Measurement 1	Measurement 2	Measurement 3
Escherichia coli IFO 3972 coli	Immediately after contact	Not treated	$1.9 \times 10^5$	$1.6 \times 10^5$	$1.3 \times 10^5$
	After 24 hrs at 35°C	Test piece 1 Not treated	<10 $3.8 \times 10^6$	<10 $4.9 \times 10^6$	<10 $7.2 \times 10^6$
Staphylococcus aureus	Immediately after contact	Not treated	$1.4 \times 10^5$	$1.6 \times 10^5$	$1.3 \times 10^5$
	After 24 hrs at 35°C	Test piece 1 Not treated	<10 $8.6 \times 10^5$	<10 $4.5 \times 10^5$	<10 $3.6 \times 10^5$
Aspergillus niger	Immediately after contact	Not treated	$1.5 \times 10^4$	$2.2 \times 10^4$	$1.6 \times 10^4$
	After 24 hrs at 35°C	Test piece 1 Not treated	<10 $1.0 \times 10^4$	<10 $1.2 \times 10^4$	<10 $2.5 \times 10^4$

Test Pieces 1) Products with Antimicrobial and Antifungal Treatment