MITSUBISHI HEAVY INDUSTRIES

HEAT PUMPS



CLEAN AIR TECHNOLOGY

WHAT IS CLEAN AIR TECHNOLOGY?

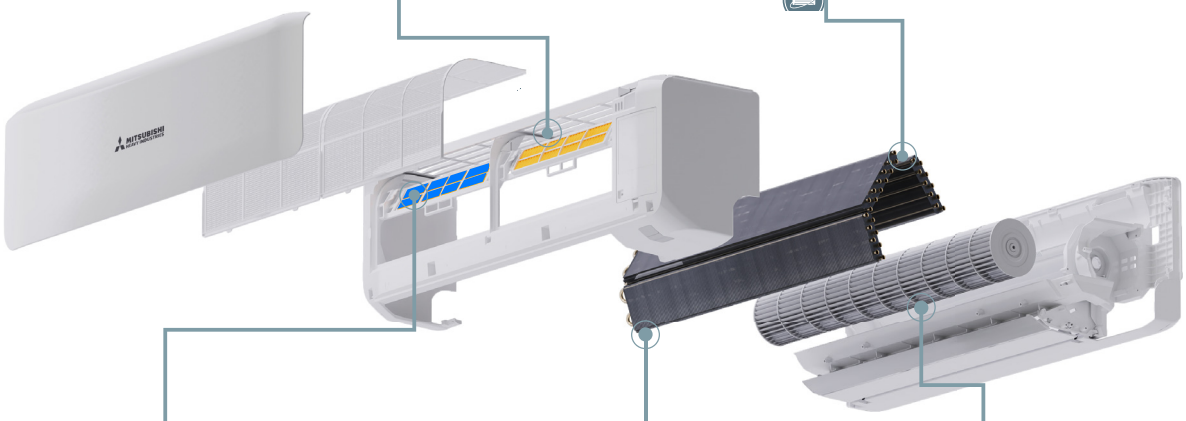
Mitsubishi Heavy Industries' Clean Air Technology combines advanced filtration and specialised systems to help improve indoor air quality by removing allergens and odours while deactivating bacteria[2], mould and viruses[3], including SARS-CoV-2 (COVID-19)[4].

ALLERGEN CLEAR FILTER®

Captures airborne allergens such as pollen, dust and other irritants and deactivates captured allergens[1], bacteria[2], mould and viruses[3].

SELF CLEAN OPERATION

Dries internal components including the fan and filters to help prevent mould and odours.



NOVASHIELD™ PM 2.5

(Bronte® WF1 Series)

NOVAShield™ PM2.5 Filter: Captures fine particulate matter such as smoke, dust, pollen and other pollutants[5]

ALLERGEN CLEAR OPERATION

Activates advanced filter enzymes which break down captured allergens and deactivate bacteria[2], mould and viruses[3]

ANTI-MICROBIAL FAN

Specialised surface treatment that inhibits the growth of odour causing mould[5] and microbes[6].

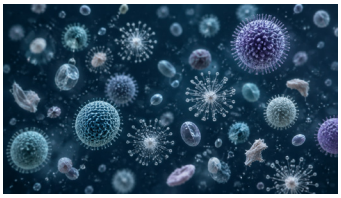
Ciara™ ZTLA Series features Allergen Clear Filter ONLY.

HOW DOES OUR CLEAN AIR TECHNOLOGY WORK?

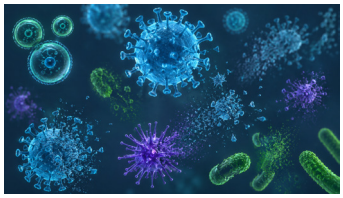
CAPTURES SMOKE & OTHER FINE PARTICLES



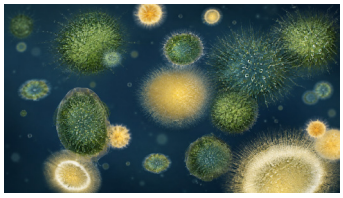
CAPTURES & NEUTRALISES AIRBORNE ALLERGENS



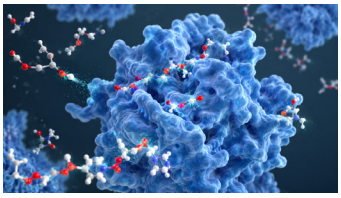
DEACTIVATES BACTERIA & VIRUSES



INHIBITS THE GROWTH OF MOULD & MICROBES



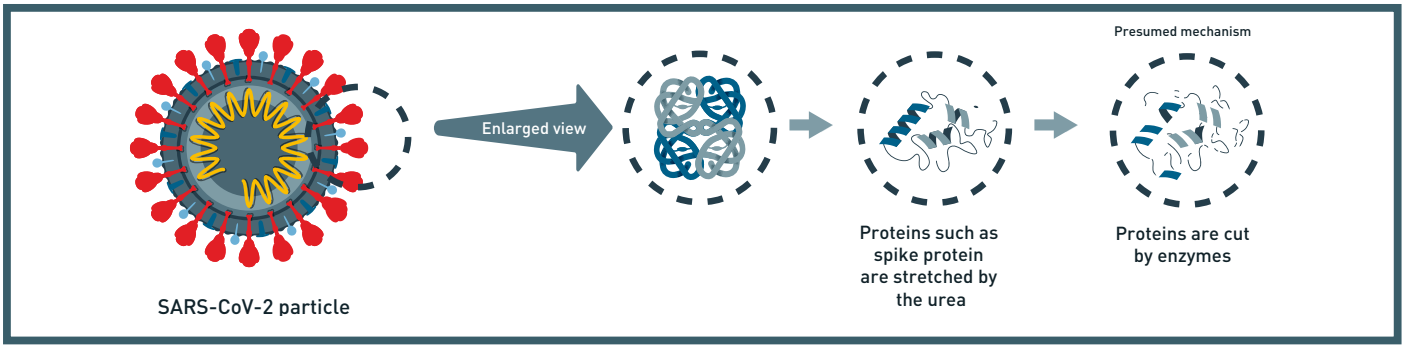
NEUTRALISES ODOUR CAUSING MOLECULES



SELF CLEAN

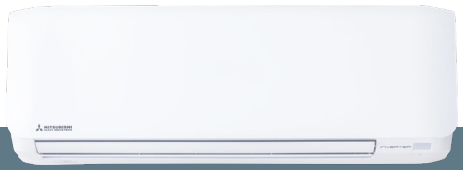


99.998% OF SARS-COV-2 DEACTIVATED BY MHI'S ENZYME-UREA TECHNOLOGY

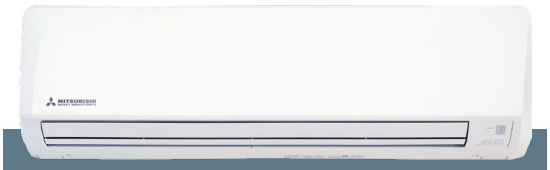


Recent tests have confirmed that the enzyme-urea compound contained within Mitsubishi Heavy Industries' Allergen Clear Filter is effective in the de-activation of SARS-CoV-2, the virus that causes COVID-19[4]

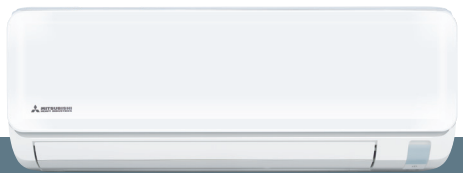
WHAT MODELS CONTAIN CLEAN AIR TECHNOLOGY?



Avanti® Series (ZSA-WF1)



Bronte® Series (ZRA-WF1)



Ciara™ Series (ZTLA-WFJ)

MHI NZ CLEAN AIR TECHNOLOGY

CLICK TO FIND OUT MORE

[1]Test method: ELISA colorimetric method Laboratory: Independent administrative agency national hospital mechanism Sagamihara Hospital, No.1536
[2]Test method: ELISA colorimetric method / ELISA fluorescent method Laboratory: Independent administrative agency national hospital mechanism Sagamihara Hospital, No.1536
[3]Test method: TCID (Infection value 50%) Laboratory: Foundation of Kitazato Environmental Science Center, No.15-0145
[4]Test method: Anti-viral test using severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) Laboratory: Japan Textile Products Quality and Technology Center Kobe Testing Center
[5]Test Report No. : 17067139001 0301 JIS Z 2801 Antimicrobial Products Test for Antimicrobial Activity and Efficacy.
[6]Test Report No. : 17067139001 0501 JIS Z 2911 Methods of Test for Fungus Resistance