DUSMIT

THE HEALTHIEST AIR EVER

World's First 100% Healthy Air Sterilization System!

100% destruction of all airborne noxious particles in a single pass

Agnostic to all airborne pathogens, including coronavirus, and their mutations

Sterilization at the molecular level of viruses, including coronavirus, mold, bacteria, allergens, and spores.

- ✓ Purifies air continuously
- ✓ No by-products such as ozone or oxidation
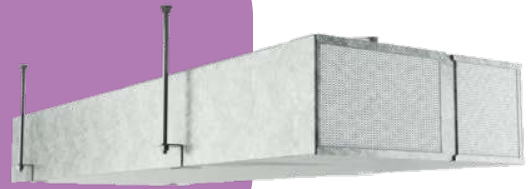- ✓ Preserves original air oxygen level & properties

AirOclear Home and Office solutions

AirOclear SoHo
By DUSMIT

Air flow throughput: 180 - 250 m³/h (6,350 - 8,800 ft³/h)
Treated area: 125 - 250 m² (1,350 - 2,700 ft²)

Benefits:
- Neutralizes all allergens, viruses and bacteria
- Alleviates asthma attacks
- Reduces allergic symptoms
- Prevents respiratory illness

Installed in:
Offices, houses, hotel rooms, classrooms, conference rooms

Installation:
Standalone dropped ceiling installation, hybrid integration with HVAC systems

Dimensions L W H 1590mm x 530mm x 208mm (62.6" x 20.9" x 8.2")		**Installation** Hidden
Optional Filter MERV 8 up to HEPA	**Nominal power** 400W	**STBY power** <2W

AirOclear Industrial and Commercial solutions

AirOclear Space
By DUSMIT

Air flow throughput: 1000 - 6000 m³/h (35,300 - 212,000 ft³/h)
Treated area: 400 - 1000 m² (4,300 - 10,700 ft²)

Benefits:
- Prevents Hospital Acquired Infection (HAI)
- Neutralizes viruses and bacteria
- Blocks chain of infection
- Reduces "sick building syndrome"

Installed in:
Office buildings, shopping malls, hospitals and labs, schools & universities, theatres, cinemas, restaurants, transport hubs, industrial facilities

Installation:
Flexible customized integration

Dimensions L W H 1286mm x 1677mm x 2719mm (51" x 66" x 107")		**Installation** Rooftop
Optional Filter MERV 8 up to HEPA	**Nominal power** 10KW	**STBY power** <200W

AirOclear Agricultural solutions

AirOclear *Produce*

By DUSMIT

Air flow throughput: 1000 - 6000 m³/h (35,300 - 212,000 ft³/h)
Treated area: 400 - 1000 m² (4,300 - 10,700 ft²)

Benefits:

- ✓ Cleans air of mold spores & airborne infestations
- ✓ Increases yield
- ✓ Reduces chemicals
- ✓ Long shelf life

Installed in:

Greenhouses, production, handling & packaging facilities, feed & grain storage, insect farms

Installation:

Flexible customized integration

Dimensions L W H 1286mm x 1677mm x 2719mm (51" x 66" x 107")		**Installation** Rooftop
Optional Filter MERV 8 up to HEPA	**Nominal power** 10KW	**STBY power** <200W

Smart device

AirOclear is equipped with sensors that monitor air quality in real time and upload the data to the cloud.

Mobile app

Use the app to:
- Activate work modes
- Set a weekly schedule

View:
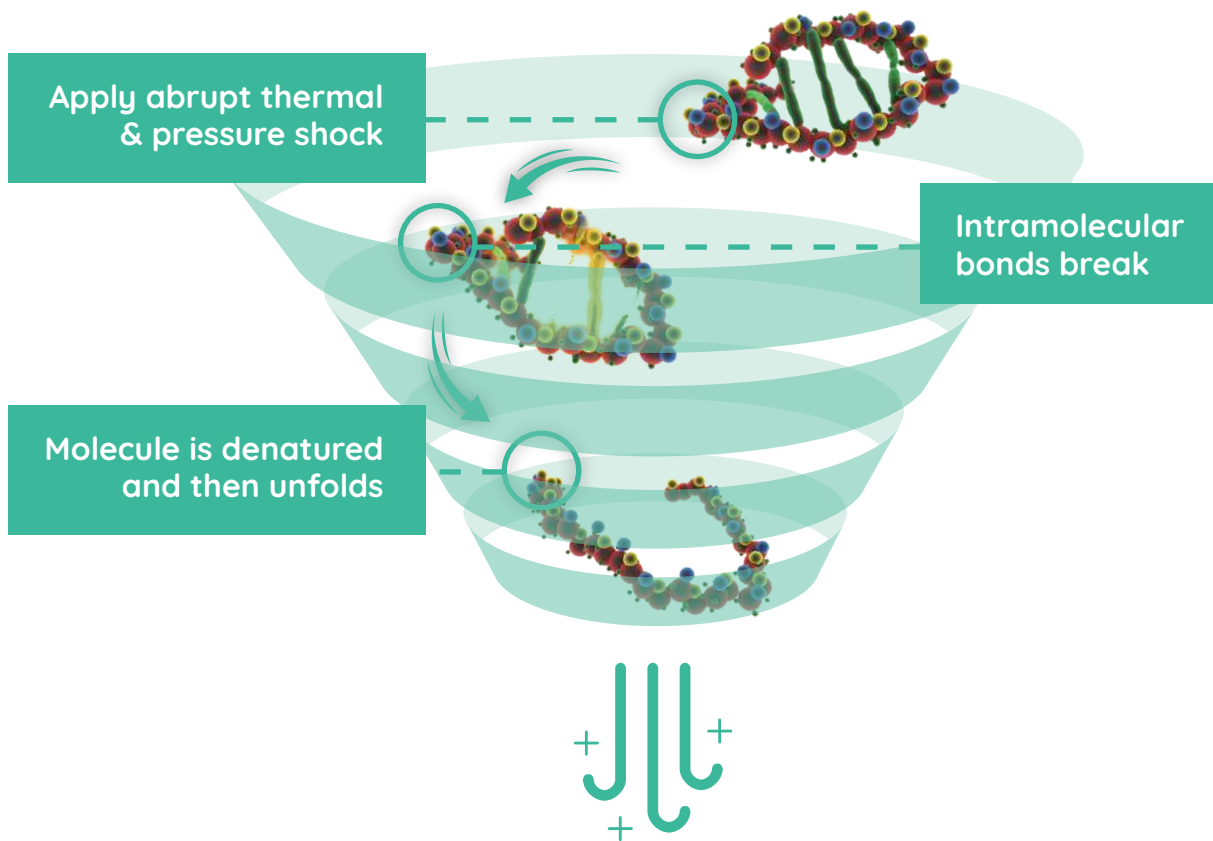- Air quality metrics in real time
- Air properties analysis over time

Standards and regulatory compliance

Type testing (IEC/EN)	IEC 60335-1 & 60335-2-40 report
CB	IEC 60335-1 & 60335-2-40 certificate
Type testing	IEC 60335-1 & 60335-2-65 certificate
NRTL listing (MET)	UL 60335-2-40 certificate

Dusmit novel air treatment

Dusmit's thermodynamics-based patent-pending process subjects air to extreme changes in pressure, temperature and humidity. The stress destroys all micro-organisms at the molecular level.

Apply abrupt thermal & pressure shock

Intramolecular bonds break

Molecule is denatured and then unfolds

100% neutralization

Watch Video -
8-second Denaturation technology

Patented technology

AirOclear technology has seven patents pending. The patents are partially approved and partially in the national phase.