

INNOVATIVE AIR TREATMENT SYSTEMS

RHT[®]
Your Air Treatment Partner

Reduces OPEX costs significantly
with long filter life (years)

Reduced Energy Consumption

Decomposes and removes
FORMALDEHYDE and VOCs

Safely



Kills BACTERIA & VIRUSES

Including Covid

Traps PARTICULATE matter

Down to PM 2.5

Removes foul odours including

Formaldehyde

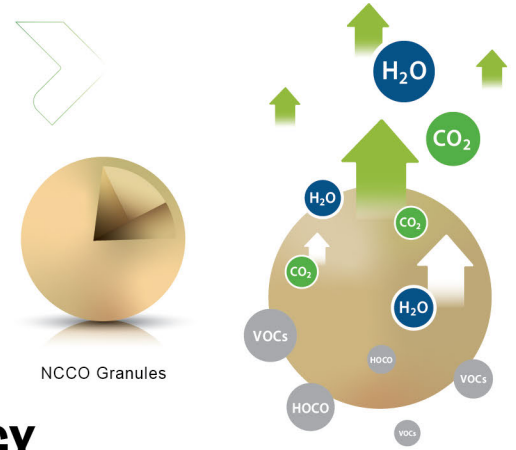
UNIQUE SUSTAINABLE GREEN

Adsorptive technology in the Life Science Industry today.

WHAT IS NCCO?

Breathe easier with our unique NCCO – Nano Confined Catalytic Oxidation – air treatment technology

Developed by RHT, in partnership with member of the Hong Kong University of Science and Technology Entrepreneurship Program, our NCCO reactor combined with active oxygen wipes out bacteria, viruses, and harmful chemicals.



NCCO AIR PURIFICATION TECHNOLOGY



BENEFITS OF NCCO TECHNOLOGY COMPARED TO ACTIVE CARBON ADSORPTIVE TECHNOLOGY



NCCO TECHNOLOGY

VS



ACTIVE CARBON ADSORPTIVE TECHNOLOGY

BENEFITS OF NCCO TECHNOLOGY *

- Formaldehyde >99%
- Acetone >99%
- Acetic acid >99%
- Acetaldehyde >99%
- Benzene >99%
- Xylene >99%

SUPERIOR DISINFECTION

Kills bacteria and viruses, improves hygiene, providing better protection to lab employees and resulting in increased productivity.

SIGNIFICANTLY LONGER FILTER LIFE

Not months but years, lowering OPEX costs with less filter changes.

REGENERATES ITS ADSORBING SITES

Increases adsorptive capability, causing NO SECONDARY POLLUTION

REDUCES FREQUENT AIR CHANGES

Less energy costs, less stress on existing extraction systems.

MORE SUSTAINABLE AND MORE CARBON FRIENDLY

No gaseous pollution remains at end of filter life and has 90% less of a carbon footprint than activated carbon. No special and costly removal costs need to be considered.

* Performance report of NCCO air purification system. Model: RH-490C



BM100 / BM150

Mobile unit – Ergonomic design

Location

Suitable for placement in offices and reception rooms
Typical room size 40-80m² (100-200m³) **

Dimensions

340(L) x 200(W) x 550(H)mm

Weight

8.5kg

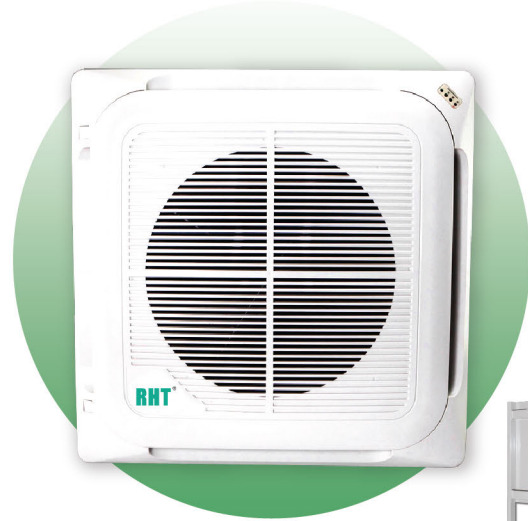
Power

AC 110-240V (50-60Hz)

Features

SMART technology – can be controlled by mobile/cell phone
Uses Medical Grade H13 HEPA filtration

** dependent on number of gaseous pollutant sources



RH-490C

Ceiling mounted or can be mounted onto a custom trolley for mobility

Location

Powerful and very suitable for the lab environment where there could be multiple sources of gaseous pollution.
Typical room size 40-100m² (98-245m³) **

Dimensions

625(L) x 625(W) x 265(H)mm

Weight

26kg

Power

AC 240V (50Hz)

Features

Can be controlled remotely via controller

** dependent on number of gaseous pollutant sources



EC920

Can be mounted from ceiling, fixed onto wall or even attached to a custom trolley' to give maximum flexibility.

Location

Suitable for a lab environment where there are multiple sources of pollution.
Typical room size 20-90m² (49-221m³) **

Dimensions

625(L) x 625(W) x 265(H)mm

Weight

21kg

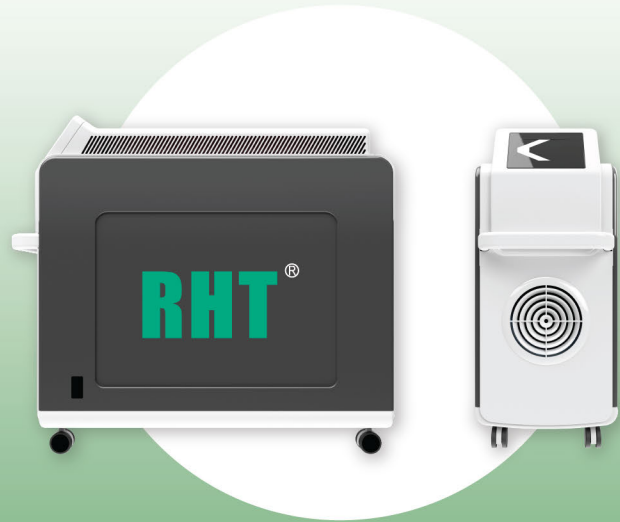
Power

AC 110-240V (50-60Hz)

Features

Can be controlled remotely
Uses Medical Grade H13 HEPA filtration

** dependent on number of gaseous pollutant sources



RM-480

Powerful mobile unit

Locations

Suitable for large lab environment
Typical room size 80-200m² (196-540m³) **

Dimensions

1030(L) x 375(W) x 935(H)mm

Weight

64kg

Power

AC 220-240V (50Hz)

Features

Washable dustbag
Multiple modes of operation and noise level

** dependent on number of gaseous pollutant sources

SC-700G

Super Powerful ductless system using NCCO technology

Suitability

Ideal for safe and odour-free containment of containers such as those used for preservation of tissue in formaldehyde.

Dimensions

530(L) x 850(W) x 1900(H)mm

Weight

180kg

Power

AC 110-240V (50-60Hz)

Features

Up to 800 air changes per hour
Internal volume - 500 litres
Filter warning alarm
Internal LED lighting



NCCO-X

UNIQUE Respiratory Protective Mask

Suitability

Suitable for workers in areas of high gaseous and particulate pollution levels such as anatomical pathology labs, mortuaries, paint factories and public health facilities.

Dimensions

199(L) x 66(W) x 168(H)mm

Weight

1kg

Power

DC12V ~1.5A

Features

Unlike other respiratory protection masks, NCCO-X has the added and unique protection benefit of our NCCO filter. The integrated back-pack can be re-charged in its cassette holder at night so as to enable up to 6hrs of protection from particulates, VOCs, viruses and bacteria during the next day of use.

MC SERIES

Anti-Epidemic Mobile Cabin

Suitability

Suitable to be used in care homes where there is higher risk of cross-infection from residents whilst also reducing operational burdens.

Dimensions

1880(L) x 2180(W) x 2100(H)mm

Weight

50kg

Power

AC 220V (50-60Hz)

Features

Uses NCCO technology to provide optimum protection during an infection crisis. It's airflow flexibility can provide either positive, negative or neutral pressure internally. It can easily be assembled or dis-assembled quickly and so providing a quick means of protection and the ability to be moved from location with ease.



RHT'S ONGOING DEDICATION TO ESG

Environmental, Social and Governance (ESG) sits at the very heart of RHT Industries Limited's operations, as we continue to push hard the air purification market towards technologies that protect the world and ourselves. Such an emphasis towards higher quality and efficiency is in our DNA through our ground breaking NCCO technology. This helps to lead various industries and our clients into a more conscious world which concerns itself with energy conservation, environmental protection, and human health. RHT is committed to being a leader in this change for improved environmental protection in our fragile world. This can only be done through developing environmentally friendly, pollution-free scientific and technological innovations.

HEADQUARTERS IN HONG KONG

UNIT 208-209, WIRELESS CENTRE, NO.3 SCIENCE PARK EAST AVENUE,
HONG KONG SCIENCE PARK, SHA TIN, NT, HONG KONG

▶ TEL: (852) 2417 0075

▶ E-MAIL: info@rhtind.com.hk



RHT WEBSITE
rhtind.com.hk