

# INNOVATIVE AIR TREATMENT SYSTEMS

Reduces OPEX costs significantly  
with long filter life (years)

**Reduced Energy Consumption**

Decomposes and removes  
FORMALDEHYDE and VOCs

**Safely**



**UNIQUE  
SUSTAINABLE  
GREEN**

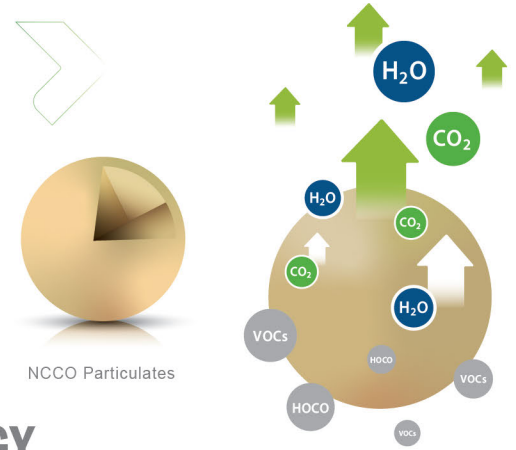
Adsorptive technology in the Life Science Industry today.

**RHT**<sup>®</sup>  
Your Air Treatment Partner

# WHAT IS NCCO?

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

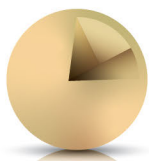
Developed by RHT, in partnership with member of the Hong Kong University of Science and Technology Entrepreneurship Program, our NCCO reactor combined with active oxygen wipes out bacteria, viruses, and harmful chemicals.



## NCCO AIR PURIFICATION TECHNOLOGY



## BENEFITS OF NCCO TECHNOLOGY COMPARED TO ACTIVE CARBON ADSORPTIVE TECHNOLOGY



NCCO TECHNOLOGY

VS



ACTIVE CARBON ADSORPTIVE TECHNOLOGY

### SUPERIOR DISINFECTION

Kills bacteria and viruses, improving hygiene and provides protection to lab employees who will enjoy a better working environment thus also increasing productivity.

### SIGNIFICANTLY LONGER FILTER LIFE

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

### REGENERATES ITS ADSORBING SITES

Increasing 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 at end of life and 90% less of a carbon footprint. No special disposal requirements needed.



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



## BM100 / BM150

Mobile unit – Ergonomic design

### Available

Suitable for placement in offices and reception rooms  
Typical room size 10-40m<sup>2</sup> (25-98m<sup>3</sup>) \*\*

### Dimensions

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

### Weight

8.5kg

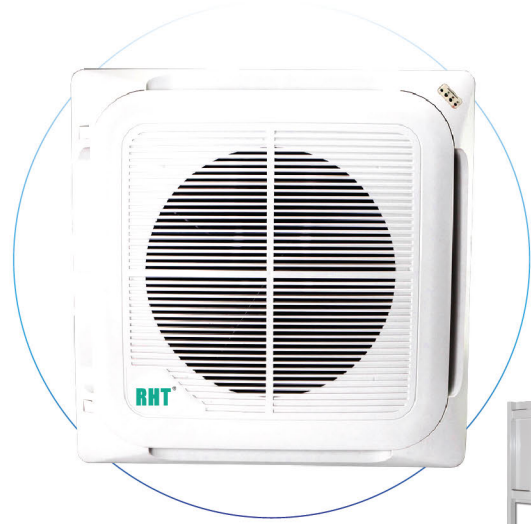
### Power

AC 110-240V (50-60Hz)

### Others

Smart Technology  
Can be controlled via mobile app as well as directly  
Uses Medical Grade H13 HEPA filters

\*\* dependent on number of gaseous pollutant sources



## RH-490C

Ceiling mounted or trolley mounted unit for flexibility

### Available

Suitable for lab working environment  
Typical room size 40-100m<sup>2</sup> (98-245m<sup>3</sup>) \*\*

### Dimensions

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

### Weight

26kg

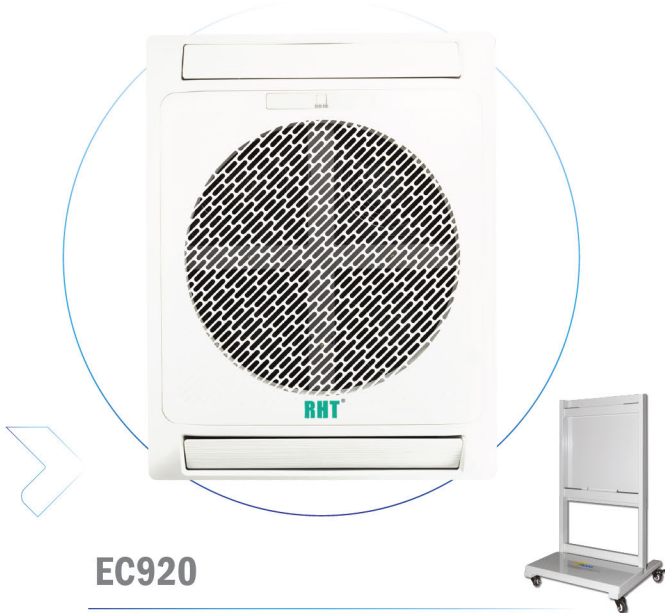
### Power

AC 240V (50Hz)

### Others

Can be controlled remotely via controller

\*\* dependent on number of gaseous pollutant sources



## EC920

Ceiling, or wall mounted or trolley mounted unit for additional flexibility

### Available

Suitable for lab working environment  
Typical room size 20-90m<sup>2</sup> (49-221m<sup>3</sup>) \*\*

### Dimensions

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

### Weight

21kg

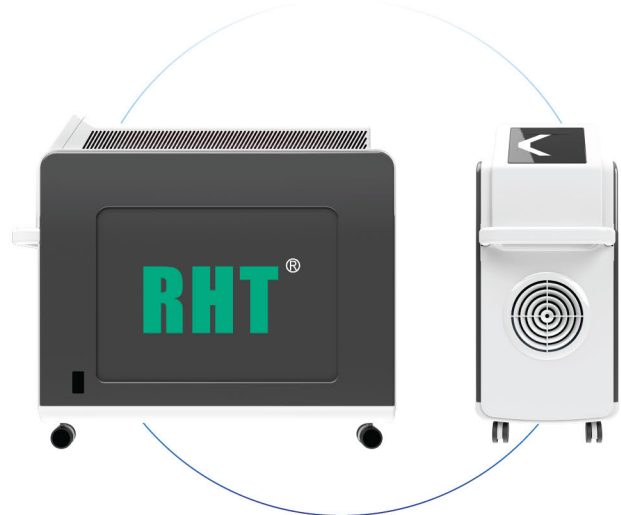
### Power

AC 110-240V (50-60Hz)

### Others

Can be controlled remotely via controller  
Uses Medical Grade H13 HEPA filters

\*\* dependent on number of gaseous pollutant sources



## RH-480

Powerful mobile unit

### Available

Suitable for a large lab working environment  
Typical room size 80-200m<sup>2</sup> (196-540m<sup>3</sup>) \*\*

### Dimensions

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

### Weight

64kg

### Power

AC 220-240V (50Hz)

### Others

With washable dustbag

\*\* dependent on number of gaseous pollutant sources

# SC-700G

Super Powerful ductless system using NCCO technology

### Available

Ideal for containment and removal of Formaldehyde and VOCs  
Internal volume 500L

### Dimensions

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

### Weight

180kg

### Power

AC 110-240V (50-60Hz)

### Others

Air changes per hour – up to 850 cycles  
Filter change warning alarm  
Internal LED lighting



## NCCO-X

Respiratory Protective Mask

### Available

Suitable for use in pathology laboratories, factories, public health facilities, and other places experiencing severe air pollution.

### Dimensions

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

### Weight

1kg

### Power

DC12V ~1.5A

### Others

Integrate the NCCO reaction layer, HEPA filter, and lithium battery into a single unit. This device can be easily plugged in and removed from the main unit. After removal, it can be plugged into the charger for recharging. Once fully charged, it can operate continuously for up to 6 hours. While charging, the oxygen generator in the charger will disinfect and purify the plug-in.



## MC-C150 / MC-C160 / MC-C180

Anti-Epidemic Mobile Cabin

### Available

Suitable for risk of cross-infection among residents and easing operational burdens.

### Dimensions

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

### Weight

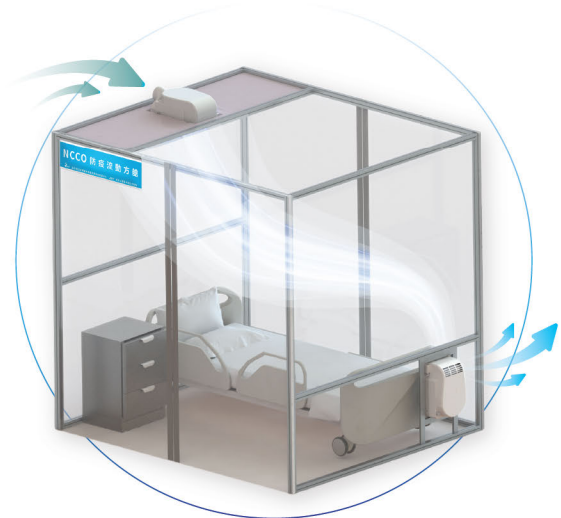
50kg

### Power

AC 220V (50-60Hz)

### Others

without increasing air conditioning costs or producing extra waste.



## 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