

# RH-490C

## Ceiling Type NCCO Air Treatment Unit

This popular unit manufactured using our world patented NCCO technology can be easily fixed to ceilings. No connection is required to existing fume extraction ventilation systems. For non-ceiling use a trolley is available to provide the required mobility.

- ▲ Available voltage 220-240V~ 50Hz.
- ▲ Has multiple modes for noise level and airflow volume.
- ▲ Filter exchange warning system for all filters.
- ▲ Remote controls for easy operation and maintenance work.
- ▲ Typically used for room sizes of 40 - 100 m<sup>2</sup>.\*
- ▲ Longest filter life in industry.
- ▲ Optional circular HEPA filter ideal for dusty environment.
- ▲ Full certifications of CE and RoHS.

## Benefits of NCCO (Nano Confined Catalytic Oxidation) filter system

- ▲ Disinfects and Deodorises.
- ▲ Reduces the number of air changes, thus also saving on power consumption.
- ▲ Effectively removes TVOCs.
- ▲ Protects health of employees - providing better working environment and increase in productivity.
- ▲ Collects allergens.
- ▲ Prevents inhalation of suspended particulates.
- ▲ Concentration of PM<sub>2.5</sub> and ozone reaches IAQ (Indoor Air Quality) excellent class.

## Where can it be used?

- ▲ Hospitals – Barrier/isolation wards, labs, diagnostic rooms, store rooms
- ▲ Pharmaceutical industry
- ▲ Care Homes
- ▲ Printing industry (including 3D printing)
- ▲ Airports (e.g. smoking rooms) and railway stations (e.g. rest rooms)
- ▲ Malls and stadiums
- ▲ Hotels and offices
- ▲ Premises located in poor air quality environment, e.g. landfills, industrial areas, etc.
- ▲ Schools and kindergartens

*\* Removal efficiency dependent on sources of air pollutant encountered in room of use*



# RH-490C

Ceiling Type NCCO Air Treatment Unit



## Product Specification

|                                         |                 |                                                                                                                                                  |                                                 |                                                                              |                                                                                       |                                                                                             |
|-----------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Power Supply                            |                 | 220-240V~ 50Hz                                                                                                                                   |                                                 |                                                                              |                                                                                       |                                                                                             |
| Power Consumption (W)                   | Mode            | Lowest (Silent)                                                                                                                                  | 60 W                                            |                                                                              |                                                                                       |                                                                                             |
|                                         |                 | Highest (Auto)                                                                                                                                   | 80 W                                            |                                                                              |                                                                                       |                                                                                             |
| Airflow volume with NCCO filter only    | Mode            |                                                                                                                                                  | CMH                                             | CFM                                                                          |                                                                                       |                                                                                             |
|                                         |                 | Lowest (Silent)                                                                                                                                  | 310 m <sup>3</sup> /hr                          | 183 ft <sup>3</sup> /min                                                     |                                                                                       |                                                                                             |
|                                         |                 | Highest (Auto)                                                                                                                                   | 490 m <sup>3</sup> /hr                          | 289 ft <sup>3</sup> /min                                                     |                                                                                       |                                                                                             |
| Airflow volume with Full set of filters | Mode            |                                                                                                                                                  | CMH                                             | CFM                                                                          |                                                                                       |                                                                                             |
|                                         |                 | Lowest (Silent)                                                                                                                                  | 200 m <sup>3</sup> /hr                          | 118 ft <sup>3</sup> /min                                                     |                                                                                       |                                                                                             |
|                                         |                 | Highest (Auto)                                                                                                                                   | 330 m <sup>3</sup> /hr                          | 194 ft <sup>3</sup> /min                                                     |                                                                                       |                                                                                             |
| Noise Level                             | Mode            | Lowest (Silent)                                                                                                                                  | 45 dB                                           |                                                                              |                                                                                       |                                                                                             |
|                                         |                 | Highest (Auto)                                                                                                                                   | 54 dB                                           |                                                                              |                                                                                       |                                                                                             |
| AOG Level Control                       |                 | 8                                                                                                                                                |                                                 |                                                                              |                                                                                       |                                                                                             |
| NCCO Nano Material                      |                 | High Performance                                                                                                                                 |                                                 |                                                                              |                                                                                       |                                                                                             |
| NCCO Granules Capacity                  |                 | 6.4 L                                                                                                                                            |                                                 |                                                                              |                                                                                       |                                                                                             |
| Applicable Area (m <sup>2</sup> )       |                 | 40 - 100 m <sup>2</sup>                                                                                                                          |                                                 |                                                                              |                                                                                       |                                                                                             |
| Product Dimension (mm)                  |                 | 670 (L) x 625 (W) x 288 (H) mm                                                                                                                   |                                                 |                                                                              |                                                                                       |                                                                                             |
| Packing Dimension (mm)                  |                 | 770 (L) x 675 (W) x 350 (H) mm                                                                                                                   |                                                 |                                                                              |                                                                                       |                                                                                             |
| Packing                                 | Packing Details |                                                                                                                                                  |                                                 |                                                                              |                                                                                       |                                                                                             |
|                                         |                 | Main unit x 1, Pre-filter + Static Filter x 1, HEPA Filter x 4, NCCO Reactor x 4, Remote Control x 1, Warranty Card x 1, English User Manual x 1 |                                                 |                                                                              |                                                                                       |                                                                                             |
| Weight (kg)                             | Net Weight      |                                                                                                                                                  | 25.9 kg                                         |                                                                              |                                                                                       |                                                                                             |
|                                         | Gross Weight    |                                                                                                                                                  | 29.9 kg                                         |                                                                              |                                                                                       |                                                                                             |
| Treatment System                        |                 | Stage 1                                                                                                                                          | Stage 2                                         | Stage 3                                                                      | Stage 4                                                                               | Stage 5                                                                                     |
|                                         |                 | Pre-filter                                                                                                                                       | Static Filter                                   | Active Oxygen Generator                                                      | HEPA Filter                                                                           | NCCO Reactor                                                                                |
| Function                                |                 | Captures dust particles, hair and pets dander.                                                                                                   | Captures fine and negatively charged particles. | Neutralizes allergens, bacteria and viruses. Enhances decomposition of VOCs. | Captures pollen, allergens, bacteria, viruses and PM <sub>2.5</sub> particles, fungi. | Removes gaseous odours. Decomposes VOCs and formaldehyde. System regenerates automatically. |

\* Removal efficiency is dependant on the number of pollutant sources in the room of use.



## RHT International Limited

UNIT 208-209, WIRELESS CENTRE, NO. 3 SCIENCE PARK EAST AVENUE, HONG KONG  
SCIENCE PARK, PAK SHEK KOK, SHATIN, NEW TERRITORIES, HONG KONG.

▲ TEL: (852) 2417 0075 ▲ FAX: (852) 2415 9349 ▲ EMAIL: info@int.rhtair.com

▲ [www.int.rhtair.com](http://www.int.rhtair.com)