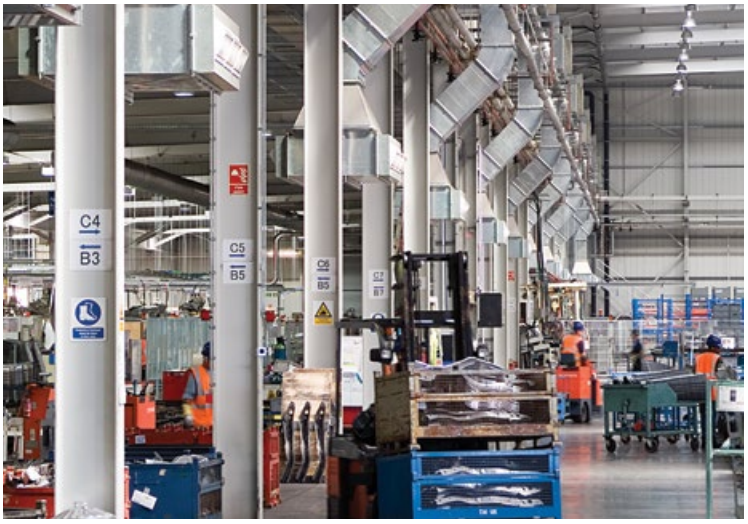






# REZNOR®

# Product overview

NORTEK™
GLOBAL HVAC

## About us

With over 130 years of experience, Reznor develops and manufactures high quality, environmentally friendly, energy and cost-efficient heating, ventilation and cooling systems.

All products are certified to ISO 9001 accreditation, ErP compliant and tested and approved to the prevailing standards for particular worldwide markets, with full CE approval on all European sales.

## Reznor solutions in practice

The selection of an appropriate heating and air conditioning scheme is dependent on the nature and requirements of the specific building.

For further information a comprehensive range of product brochures covering each product specification is available on request, or alternatively, visit **www.reznor.eu**

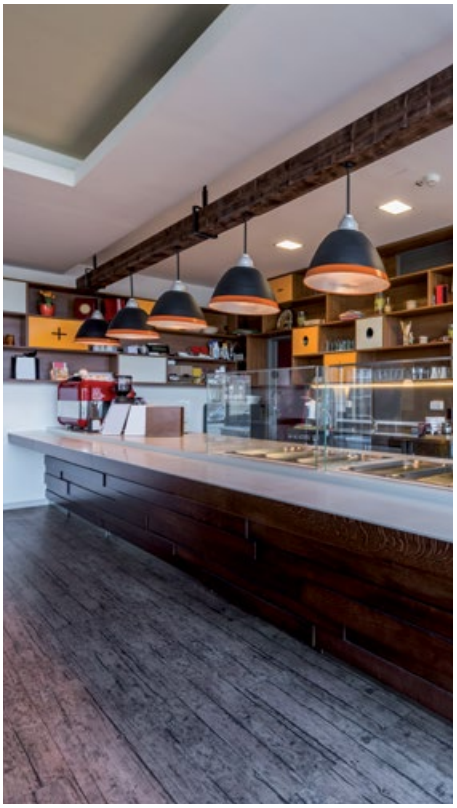
## Applications

- Workshops
- Factories
- Warehouses and distribution centres
- Restaurants
- Places of worship
- Retail outlets
- Sports & leisure
- Showrooms
- Greenhouses
- Exhibition halls

## References

Reznor energy efficient HVAC systems have been installed in diverse market sectors, bringing the benefit of energy savings to thousands of businesses worldwide.

- Tata Steel
- Bombardier
- Makro
- Ricoh
- Quick restaurants
- Audi
- Heysel exhibition halls, Brussels
- Audi production facility, Brussels
- NIKE European logistics center



## Benefits of warm air heating

- Effective heat distribution
- Easy installation and maintenance
- High efficiency units offer significant energy savings.
- Compared with underfloor heating, warm air heating warms up the space much faster and 40% less energy is needed to maintain comfortable temperatures.

## RHeco

### High efficiency condensing gas fired unit heaters


The new RHeco range of fully condensing, free blowing unit heaters utilise state of the art patented burner technology and a primary and secondary heat exchanger to deliver up to 109% thermal efficiency with very low $CO_2$ and $NO_x$ emissions.

The RHeco condensing units have axial fans with optional modulating control.

Heating output: 25 - 95 kW

## UDSA - UDSBD

### Gas fired unit heaters


The UDSA (axial fan, free blowing) and UDSBD (centrifugal fan, ducted) achieve 92% thermal efficiency and incorporate a unique 4-pass heat exchanger manufactured from titanium stabilised aluminised steel for enhanced life expectancy.

The aerodynamic heat exchanger provides improved air distribution, lower running costs and reduced noise. Units are available in horizontal or downflow models.

Heating output: 7 - 100 kW

## Cabinet heaters

### Gas and oil fired cabinet heaters


The Reznor range of cabinet heaters have forced draught burners for use with natural gas, propane or fuel. They are equipped with a modulating burner and a condensing heat exchanger. They are high efficiency cabinet heaters with very low emissions.

For free blowing or ducted applications

Heating output: 40 - 300 kW

## DS

### Destratification fans


Complementary to warm air applications, DS destratification fans return warm air from the roof space back to occupancy level, reducing running costs.
The DS optimizes the induction of high level air for improved performance and energy savings.
The additional air re-circulation will ensure optimum air distribution in both new and existing buildings.

Air flow: 3 000 - 9 000 m³/h

## Air handling units

- Compact reliable units for heating, ventilation and cooling.
- Indirect fired units with heating coils for separated combustion
- High efficiency units offer significant energy savings.
- Highly customizable thanks to modular design: fresh air and supply air orientation, heat recovery, free cooling, filters, cooling coils etc.
- Easy installation and maintenance

### PREEVA SDH-RDH

#### Combined heating and ventilation air handling unit


The PREEVA range offers comprehensive heating, cooling and ventilation options for a cost effective solution to indoor or outdoor HVAC applications.

SDH/RDH models, for respectively indoor and outdoor installation, incorporate a patented high efficiency heat exchanger achieving over 91% efficiency.

Heating output: 25 - 100 kW
Cooling output: 19 - 63 kW (option)
Air flow: 1 800 - 14 100 m³/h

### PREEVA SHH-RHH

#### High efficiency condensing air handling unit


PREEVA SHH/RHH models have all of the PREEVA's standard benefits plus a high efficiency fully condensing gas fired heat exchanger with a thermal efficiency up to 102%.

Heating output: 54 - 99 kW
Cooling output: 30 - 63 kW (option)
Air flow: 5 500 - 14 000 m³/h

### REZ

#### Modular, built to measure air handling unit

The REZ range of air handlers are fully built to measure and are designed for large volumes.
REZ units heat, ventilate and cool very efficiently thanks to plug fans, energy recovery and gas fired heating sections that have a thermal efficiency up to 105%

Heating output: 30 kW and up (sections can be combined for larger outputs)
Cooling output: specified to measure
Air flow: 1 000 - 100 000 m³/h

### Smitsair

#### Air induction nozzles

Air induction nozzles provide precision air distribution. The aerodynamic construction of the nozzles makes it possible to achieve high airflow velocities at low nozzle pressures.

The nozzles may be applied in groups on plenums or spaced out along a conventional duct system, allowing for flexible or irregular heating patterns in any large premises.

## Gas fired heating sections

- Gas fired heating sections designed for integration into air handling units or ductwork systems
- Multiple sections can be combined per system

### RHC

#### Gas fired heating coils

Reznor gas fired heating coils are designed for inclusion in air handling units as well as in ductwork.

A wide range of sizes, outputs and configurations suits typical air handler dimensions.

Standard coils provide efficiencies in excess of 91%. Multiple units can be combined to enable outputs up to 1 200 kW.

Heating output: 18 - 300 kW per coil

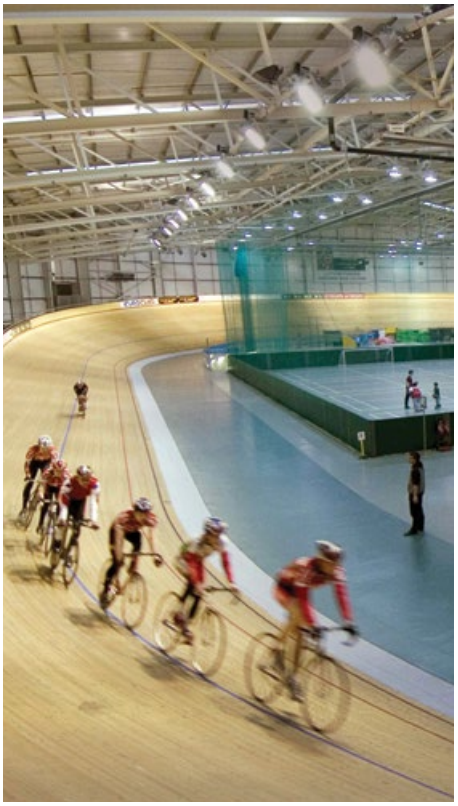
### RHCLN

#### Low $NO_x$ condensing gas fired heating coils

The high efficiency condensing RHCLN range produce a low level of $NO_x$ emissions. They are available in various lengths to be integrated into ductwork or air handlers.

Their thermal efficiency is 105%.

Heating outputs: 28 - 115 kW per coil

## Radiant heating

Because of their large volume, architectural features or lack of insulation, many industrial sized buildings are uncomfortable, simply because heating is considered inefficient or not cost effective.

With radiant heat, however, this does not need to be the case. Radiant heating works in the same way as the sun and will heat all solid masses in its path upon contact with its infrared radiation.

- Savings up to 50% possible, compared with other heating systems
- Provides comfort even in large areas and spaces with a high air change rate
- Heats only where needed
- Comfort temperature reached very quickly
- No energy is lost in the heating of air, avoiding stratification
- No displacement of air or dust
- Functions quietly
- Various flue options for easy siting
- Easy accessibility to the components

## Vision VSUTE

### High efficiency radiant tubes

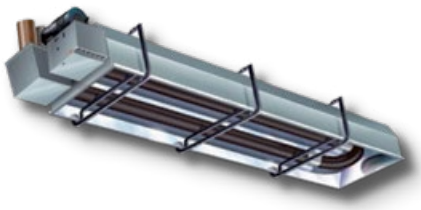
The Vision or “VS” range of radiant heaters are equipped with aluminised steel reflectors. These radiants have a high efficiency and produce a low level of emissions.

VSUTE models have a U-shaped tube and a double folder reflector (M profile)

Length: 4.5 - 9,4 m
Heating output: 15 - 48 kW

## Vision VSX

### High efficiency radiant tubes



The Vision or “VS” range of radiant heaters are equipped with aluminised steel reflectors. These radiants have a high efficiency and produce a low level of emissions.
The VSX is a highly advanced, high efficiency radiant. It is equipped with a U-shaped tube and a heat exchanger for heat recovery.

Length: 4 - 7.7 m
Heating output: 20-50 kW

## Vision VSLIE

### High efficiency radiant tubes

The Vision or “VS” range of radiant heaters are equipped with aluminised steel reflectors. These radiants have a high efficiency and produce a low level of emissions.

VSLIE models have a single linear tube.

Length: 8 - 13.5 m
Heating output: 15 - 48 kW

## Vision VSDLE

### High efficiency radiant tubes

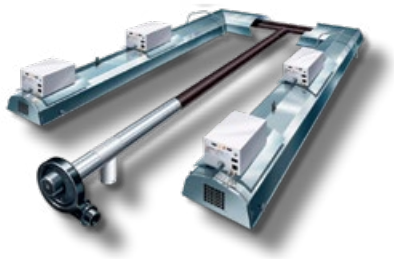
The Vision or “VS” range of radiant heaters are equipped with aluminised steel reflectors. These radiants have a high efficiency and produce a low level of emissions.

VSDLE models have two opposite linear tubes, with burners at the outer ends and a central extractor.

Length: 16 - 27 m
Heating output: 30 - 100 kW

## Nor-Ray-Vac

### Continuous radiant tube heating system



The Nor-Ray-Vac continuous radiant tube heating system is designed specifically for the building it is required to heat, providing uniform heat coverage over the entire floor area.

Multiple burners can be combined according to the required length and configuration.

Heating output: 12 - 46 kW per burner

## Industrial and commercial air curtains

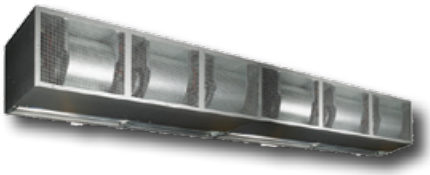
Warehouses, retail premises and factories are all subject to the problems caused by frequently opened doors.

Correctly designed industrial and commercial air curtains provide an ideal solution to reduce heat loss by up to 80%.

- Industrial models with gas fired heating coils
- Ambient industrial models, unheated
- Commercial models heated electrically or by hot water
- Commercial models with an aesthetic design for retail premises
- Recessed models for commercial premises

## AB

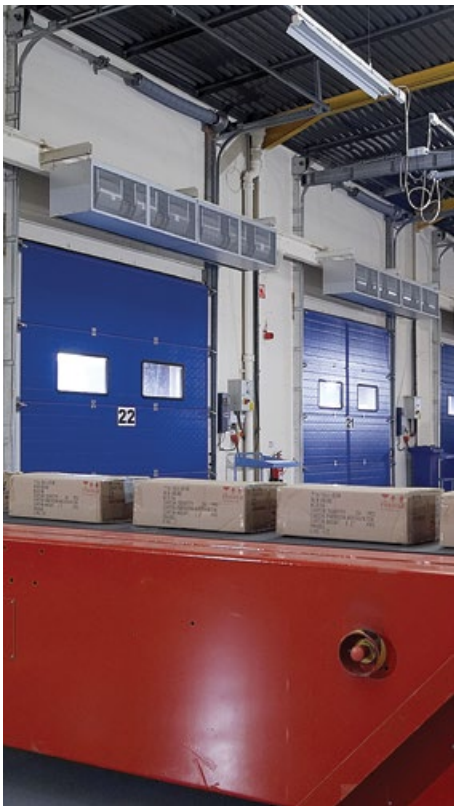
### Industrial air curtain



AB air curtains for industry sized doors provide a barrier of air to block incoming wind and stop warm air escaping, without hindering traffic.

Where overhead installation is impossible, vertical versions can be installed at one or both sides.

Heating output: 40 - 162 kW



## Guardian GS

### Commercial air curtain

Thanks to their appealing design and finish the air curtains of the AC series easily integrate into commercial premises.

This series has unique functional features such as emergency lighting and an illuminated box for company logos.

Heating output: 9 - 24 kW

## Guardian GR & GB

### Recessed commercial air curtain

Reznor's GR and GB recessed air curtains offer a discreet alternative for commercial premises.

GR air curtains are recessed air curtains, whereas the GB is designed to be installed in a bulkhead.

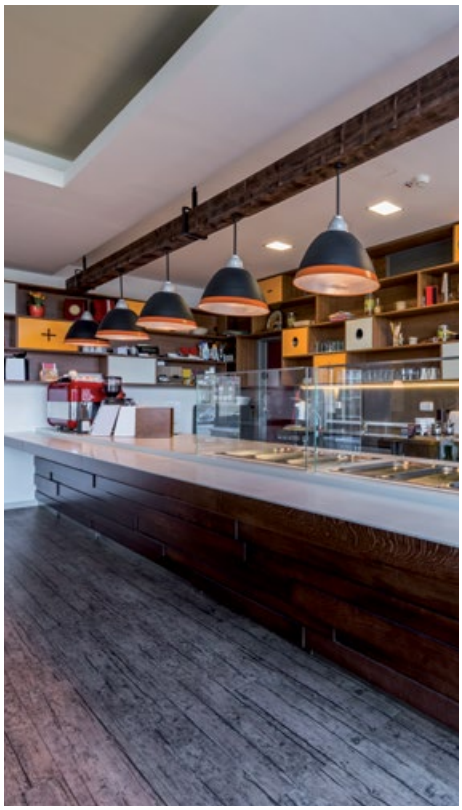
This series provides a powerful downflow of heated air to create comfortable conditions for customers and staff.

Heating output: 9 - 24 kW

## Packaged systems

Reznor offer a range of packaged rooftop units that can integrate various functions into a single system: cooling, heating, ventilation and make-up air, with optional heat recovery and even heat pump function.

- High efficiencies for cooling and heating
- For the packaged rooftops, gas fired heating coils are available to increase heating capacity and heating efficiency at low ambient temperatures.



## RTU

### Air conditioning and heat pump rooftops


The RTU series is a range of packaged Air Conditioning units, providing cooling and heating. This range of high efficiency packaged rooftop units are available in cooling only and reversible modes. Both are available with energy recovery function as an option. Both at full load and partial load, efficiency is maximized by using plug fans (optional) and multi-scroll compressors in combination with an electronic expansion valve.
Cooling output: 18 - 350 kW
Heating output: 19 - 361 kW

## GA11

### Thermostat

For the RHeco, UDSA and UDSBD unit heaters.

Controls up to 9 heaters.

User friendly setting of day/night/week programme. Suitable for modulating burners. Compatible with external sensors. Multiple on/off periods per day.

## SmartCom

### Thermostat


For RHeco, UDSA and UDSBD unit heaters, PVE and FSE cabinet heaters, PREEVA air handlers, Vision radiant tubes and the Nor-Ray-Vac continuous radiant system.

Controls up to 15 heating units.

User friendly setting of day/night/week programme. Suitable for modulating burners. Compatible with external sensors. Multiple on/off periods per day.

## Carel

### Thermostat

Advanced controller for the PREEVA and REZ air handlers and for the RTU rooftop unit.

Carel controllers are capable of controlling many air handlers and rooftops. They are compatible with multile network protocols such as BACnet and LON.

Product Overview EN 2020-08

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