



REZNOR®

Product overview

About us

With over 125 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, tested and approved to the prevailing standard 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 CO₂ 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



Floorstanding or horizontal cabinet heaters have forced draught burners, which may be specified to operate on natural gas, propane, fuel oil, biodiesel or kerosene. PV cabinet heaters have an induced burner for natural gas or propane. For free blowing or ducted applications.

Heating output: 29 - 380 kW

WS

Hydronic unit heaters



The indirect fired WS unit heater WS has a copper coil for use with hot water or a stainless steel coil for use with steam.

Models with an extra coil for cold water can also provide cooling against a low installation cost.

Heating output: 10 - 94 kW
Cooling output: 5 - 28 kW

Maximizor

Destratification fans



Complementary to warm air applications, Maximizor destratification fans return warm air from the roof space back to occupancy level, reducing running costs by up to 15%. The Maximizor optimises the induction of high level air for improved performance and energy saving. The additional air re-circulation will ensure optimum air distribution in both new and existing buildings.

Air flow: 2 100 - 9 000 m³/h

Air handling units

- Compact reliable units for heating, ventilation and cooling.
- Indirect fired units with heating coils for separated combustion
- Direct fired units for make-up air applications.
- 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: 17 - 65 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 efficiencies up to 102%.

Heating output: 54 - 99 kW
Cooling output: 36 - 65 kW (option)
Air flow: 5 500 - 14 000 m³/h



PREEVA Heat recovery

Heat recovery



Heat recovery module with a Eurovent certified cross flow heat exchanger for incorporation with all PREEVA units.

The module comprises an aluminium plate heat exchanger together with forward curved fan(s) and filters.

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.



IDF

Combined heating and ventilation air handling unit



Large air handling units with gas fired heating coils providing thermal efficiencies from 91 to 102%.

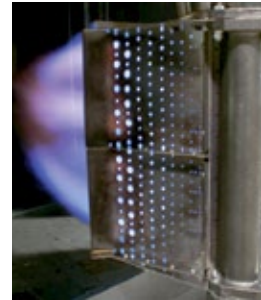
IDF air handling units can provide heating, ventilation and cooling for a wide range of applications.

For indoor or outdoor installations, horizontal and vertical versions available.

Heating output: 50 - 900 kW
Air flow: 3 600 - 79 000 m³/h

DF

Direct fired make-up air



Direct fired make-up air units supply fresh air at a constant temperature in order to maintain comfort and air quality.

They provide a constant or a variable volume of heated fresh air, or a constant volume with up to 80% recirculation air. As opposed to indirect fired units with heating coils, gas is burnt directly in the air flow, resulting in the highest thermal efficiency.

Heating output: 26 - 1056 kW
Air flow: 1 800 - 94 000 m³/h



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 AHU 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

RHCE

Condensing gas fired heating coils



RHCE high efficiency condensing gas fired heating coils are available in a wide range of sizes and outputs.

Condensing coils provide thermal efficiencies of 102% and are designed for inclusion in air handling units or installation in ductwork.

RHCE coils are designed to readily combine with standard RHC coils.

Heating output: 56 - 106 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.

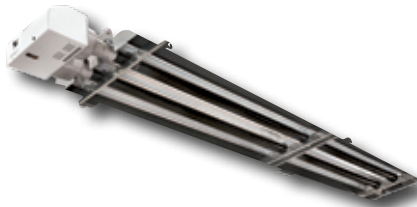
With radiant heat, however, this does not need to be the case. Radiant heating works in the same way as the sun and will heat all solid masses in its path upon contact with its infrared radiation.

- 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



BT series

High efficiency radiant tube



BT radiant heaters distinguish themselves by their cutting edge burner and reflector technology that takes the efficiency to over 70%.

The BT range is available in U-tube and linear configurations with optional supplementary reflector. BT radiants are easy to install and service thanks to the improved accessibility to the components.

Heating output: 17 - 45 kW



CERA

High efficiency radiant tube



With their appealing design, CERA radiant tubes readily integrate in sports halls, showrooms or wherever aesthetics may matter, but they fit industrial environments just as well. All components are integrated into a linear casing. The highly resistant moulded ceramic chamber disperses radiation very evenly over a surface 50% larger compared with compact radiant heaters. The ceramic technology, combined with the advanced burner, raises the CERA's efficiency to over 70%.

Heating output: 7 - 30 kW

Duck Strip

Hydronic radiant panels



The Duck Strip series of water heated radiant panels come in standard lengths of 4 and 6 meters.

Thanks to their sleek profile, flexible installation and wide range of colours, they are easy to integrate, even in very high spaces.



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, steam and hot water coils or electrical heating coils.
- Ambient industrial models, unheated
- Commercial models heated electrically or by hot water
- Commercial models with an appealing design
- Recessed commercial models

AB and ABX

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: 18 - 360 kW

AC

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: 6 - 24 kW



ACR

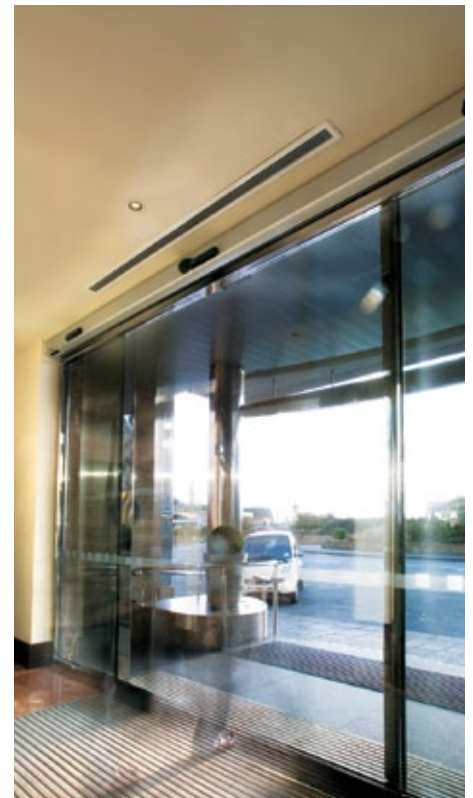
Recessed commercial air curtain



Reznor's ACR recessed air curtains offer a discreet alternative for commercial premises.

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

Heating output: 6 - 18 kW



Packaged systems

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

- Non-ozone depleting R410A refrigerant
- 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 - 230 kW
Heating output: 18 - 219 kW



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Company Standards and Services:

All products manufactured by Nortek Global HVAC facilities in Europe are tested and approved to CE standards. All European Nortek Global HVAC production facilities are assessed to EN ISO 9001 Quality Assurance. Nortek Global HVAC offer a service to our customers; including budget schemes, on site technical support and a comprehensive after-sales package. Nortek Global HVAC reserves the right to change specifications without prior notice. Errors and omissions excepted.

