

HVAC
AIR SOLUTIONS

ROCCEGGIANI®
care for air

ROCCEGGIANI SOLUTIONS

COMPLETE AND ADVANTAGEOUS SYSTEMS IN TERMS OF:
QUALITY, ENERGY EFFICIENCY AND QUICK INSTALLATION.

Roccheggiani provides complete systems, taking care of their production and, upon request, of the installation of all components. The aim is to offer our customers the most appropriate solution so as to satisfy every need related to air quality and to the wellness of users in several application fields.

The Roccheggiani solutions are capable of guaranteeing excellent values in terms of Total Life Cost and they represent the best choice for those who are making investments in the construction or use of buildings.



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ALL AIR SOLUTION

AIR CONDITIONING FOR MEDIUM-TO-LARGE SHARED SPACES



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VERY-HIGH EFFICIENCY HYDRONIC SOLUTION WITH CHILLED BEAMS

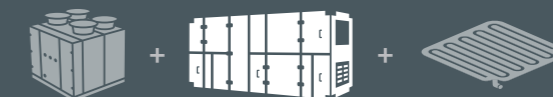
AIR CONDITIONING FOR INDEPENDENT INDIVIDUAL SPACES



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HIGH EFFICIENCY HYDRONIC SOLUTION WITH RADIANT TERMINAL UNITS

AIR CONDITIONING FOR INDEPENDENT INDIVIDUAL SPACES



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HIGH EFFICIENCY HYDRONIC SOLUTION WITH FAN COIL TERMINAL UNITS

AIR CONDITIONING FOR INDEPENDENT INDIVIDUAL SPACES



ALL AIR SOLUTION

AIR CONDITIONING
FOR MEDIUM-TO-LARGE
SHARED SPACES



The ideal solution for air conditioning in medium-to-large spaces. The combination of very-high efficiency Roof Top units and high-induction micro-perforated ducts enables the handling, renewal, purification and distribution of air inside spaces, ensuring high levels of comfort.

- A** High-efficiency Roof Top unit in the NHE-RTU range and high-induction micro-perforated duct in the INDUTAIR range.
- B** High-efficiency Roof Top unit in the HE-RTU range and high-induction micro-perforated duct in the INDUTAIR range.

Air handling
system



Air distribution
system

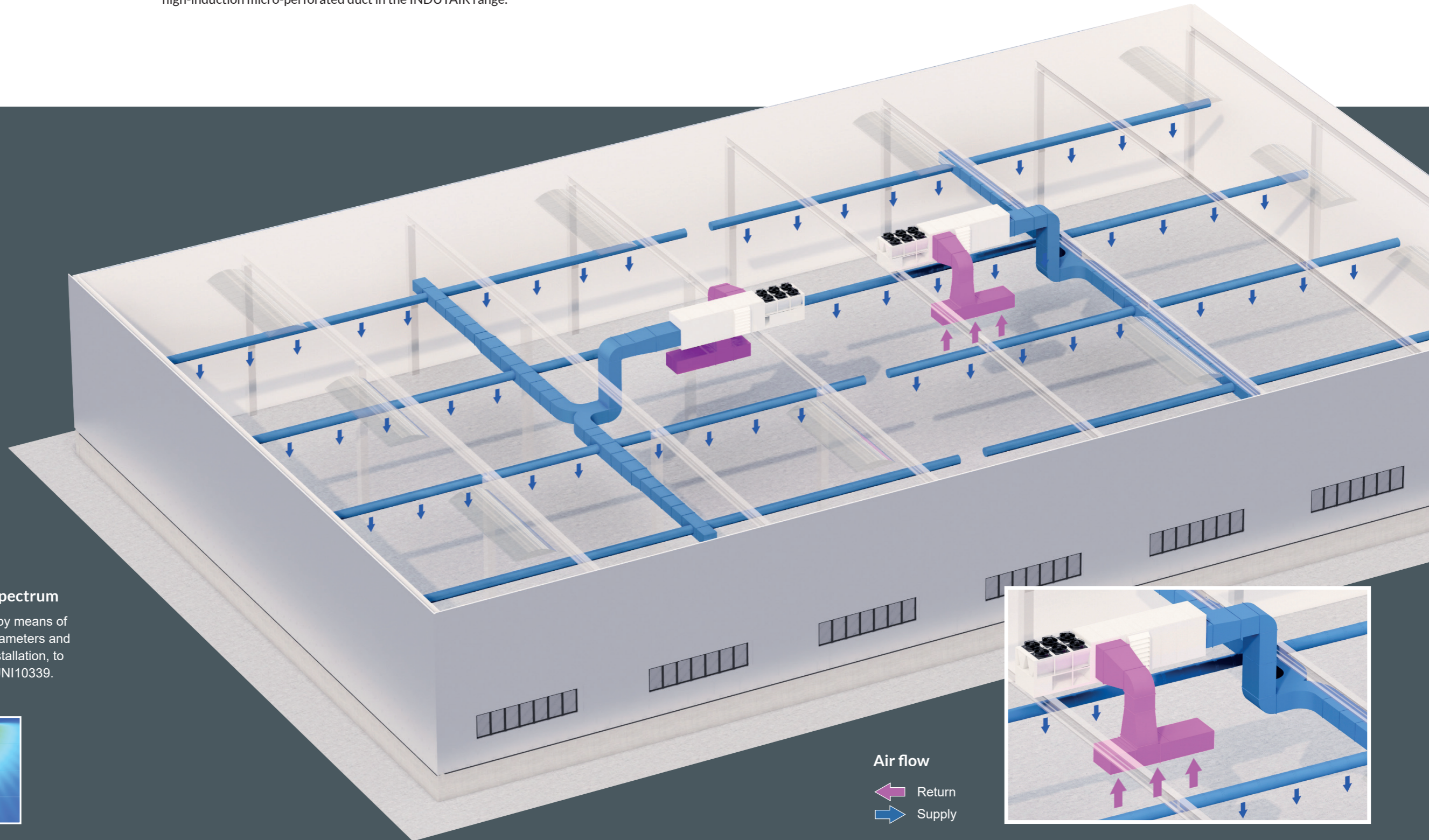
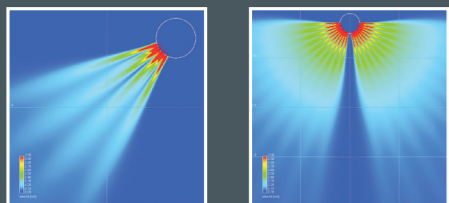


Recommended applications

- Sports facilities
- Industrial
- Airports
Railway stations
- Tertiary sector
- Restaurants/Catering
- Supermarkets
- Medium-to-large sized
shopping centres
- Cinemas/Theatres

INDUTAIR Diffusion thermal spectrum

The INDUTAIR metal ducts are sized by means of a software which identifies the ideal diameters and shapes of the holes for each single installation, to ensure comfort and compliance with UNI10339.

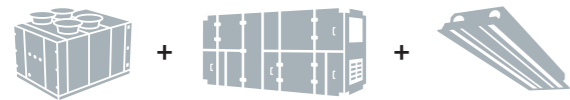


Air flow

- Return
- Supply

VERY-HIGH EFFICIENCY HYDRONIC SOLUTION WITH CHILLED BEAMS

AIR CONDITIONING FOR INDEPENDENT
INDIVIDUAL SPACES



The ideal solution for cooling, heating and air exchange inside divided or open-space offices.

The system includes: the multi-purpose unit from the NRE-MPU range, for the generation of hot and cold fluids, the integrated air handling unit of the RRU-FA range, and chilled beams from the TFS2/TFS2-L range (for false ceiling installation) or TFP1 (for wall installation) as room terminal.

The proposed solution provides the best in comfort, optimises heat and cold generation according to specific needs and ensures maximum overall energy efficiency. The temperature of each room can be managed autonomously and independently using the control panel.

System for the generation
of hot and cold fluids

Primary air handling
system

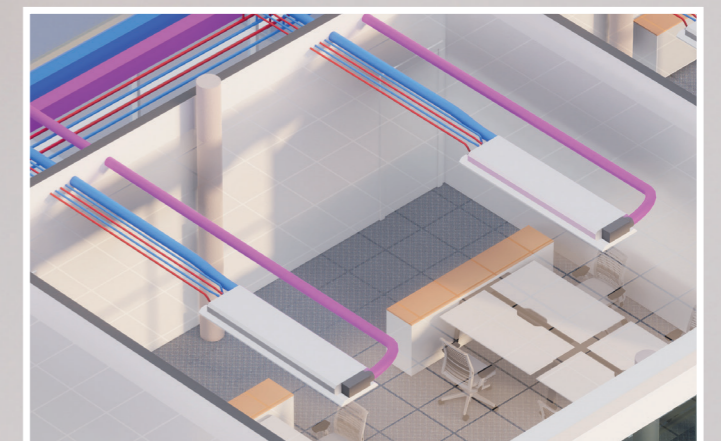
Air handling and distribution
system



Recommended applications

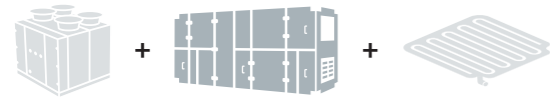
-  Schools and Colleges
-  Offices
-  Hotels
-  Nursing homes
-  Medium-to-large sized shopping centres
-  Multifamily housing

The air handling unit is the motor behind the chilled-beam system. It provides air renewal inside the spaces while guaranteeing correct humidity values.



HIGH EFFICIENCY HYDRONIC SOLUTION WITH RADIANT TERMINAL UNITS

AIR CONDITIONING FOR
INDEPENDENT INDIVIDUAL SPACES



The ideal solution for cooling, heating and air exchange inside divided or open-space offices.

The system includes: the heat pump for the generation of hot and cold fluids, the integrated air handling unit from the RRU-FA range and the radiant system as room terminal unit.

The proposed solution guarantees best in comfort, low energy consumption and ensures low noise levels and perfect integration with the architecture of the interior thanks to the radiant system.

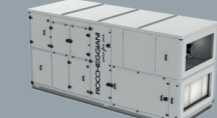
Generation of the hot and cold fluids

HEAT PUMP



Primary air handling system

RRU-FA
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Modular radiant system

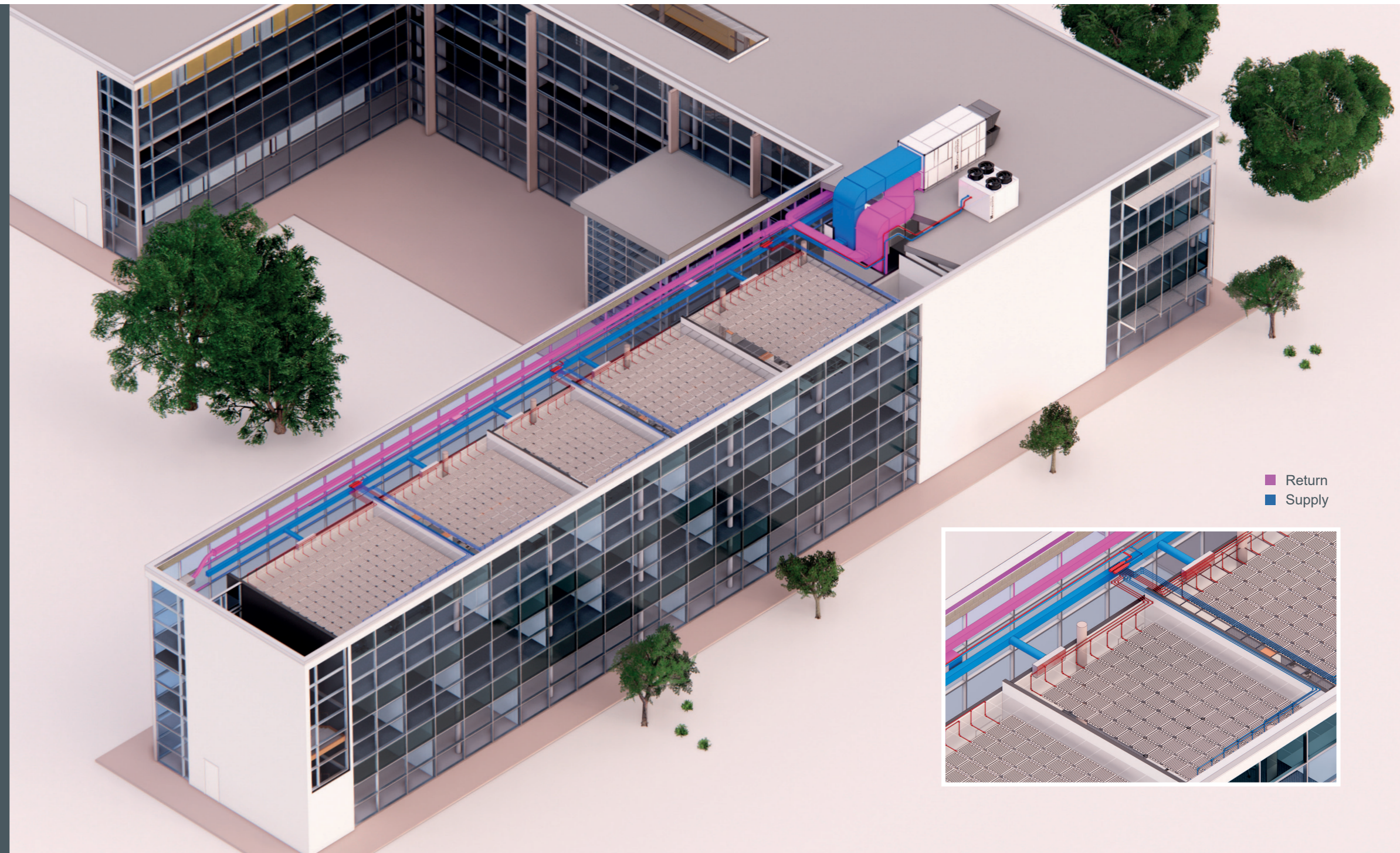
RADIANT TERMINAL UNIT



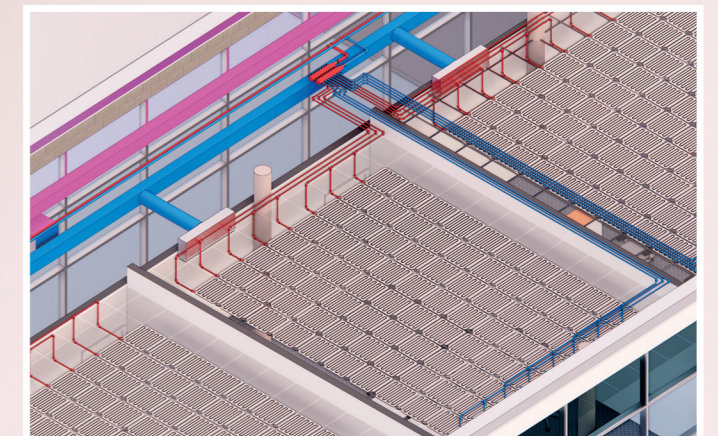
Recommended applications

- Schools and Colleges
- Offices
- Hotels
- Nursing homes
- Medium-to-large sized shopping centres
- Multifamily housing

The air handling unit provides air renewal inside the rooms while guaranteeing correct humidity values.



Return
Supply



HIGH EFFICIENCY HYDRONIC SOLUTION WITH FAN COIL TCU TERMINAL UNITS

AIR CONDITIONING FOR
INDEPENDENT INDIVIDUAL SPACES



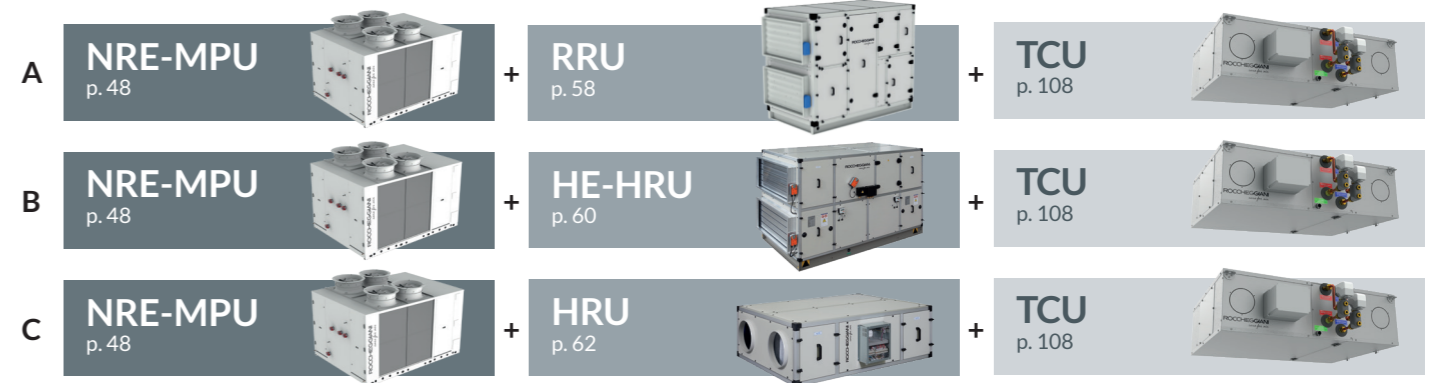
The ideal solution for air conditioning in offices. The system consists of a multi-purpose unit for the generation of hot and cold fluids, a heat recovery unit with a control system on board the machine, capable of renewing the air required by the structure and by the TCU ductable terminal units which ensure heat regulation inside the rooms.

The compactness, silent operation, the high static pressure available and the high air flow are all features that make the TCU ductable terminal unit particularly suitable for office applications.

System for the generation
of hot and cold fluids

Primary air handling
system

Air handling and distribution
system



Three system proposals:

- A** The System includes a multi-purpose unit from the NRE-MPU range, a high-efficiency heat-recovery unit from the RRU range and the terminal air handling unit from the TCU range.
- B** The System includes a multi-purpose unit from the NRE-MPU range, a high-efficiency heat-recovery unit from the HE-HRU range and a terminal air handling unit from the TCU range.
- C** The System includes a multi-purpose unit from the NRE-MPU range, a high-efficiency heat-recovery unit from the HRU range and a terminal air handling unit from the TCU range.

Recommended applications

- | | |
|--|------------------|
| Schools and Colleges | Tertiary sector |
| Offices | Shops |
| Hotels | Wellness centers |
| Nursing homes | |
| Medium-to-large sized shopping centres | |
| Multifamily housing | |

Any type of diffuser connected to the TCU unit by means of thermally and acoustically-isolated flexible ducts can be used for the supply and return air sections. We recommend using a diffuser from the DER range (supply) and the DIF range (return).





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