

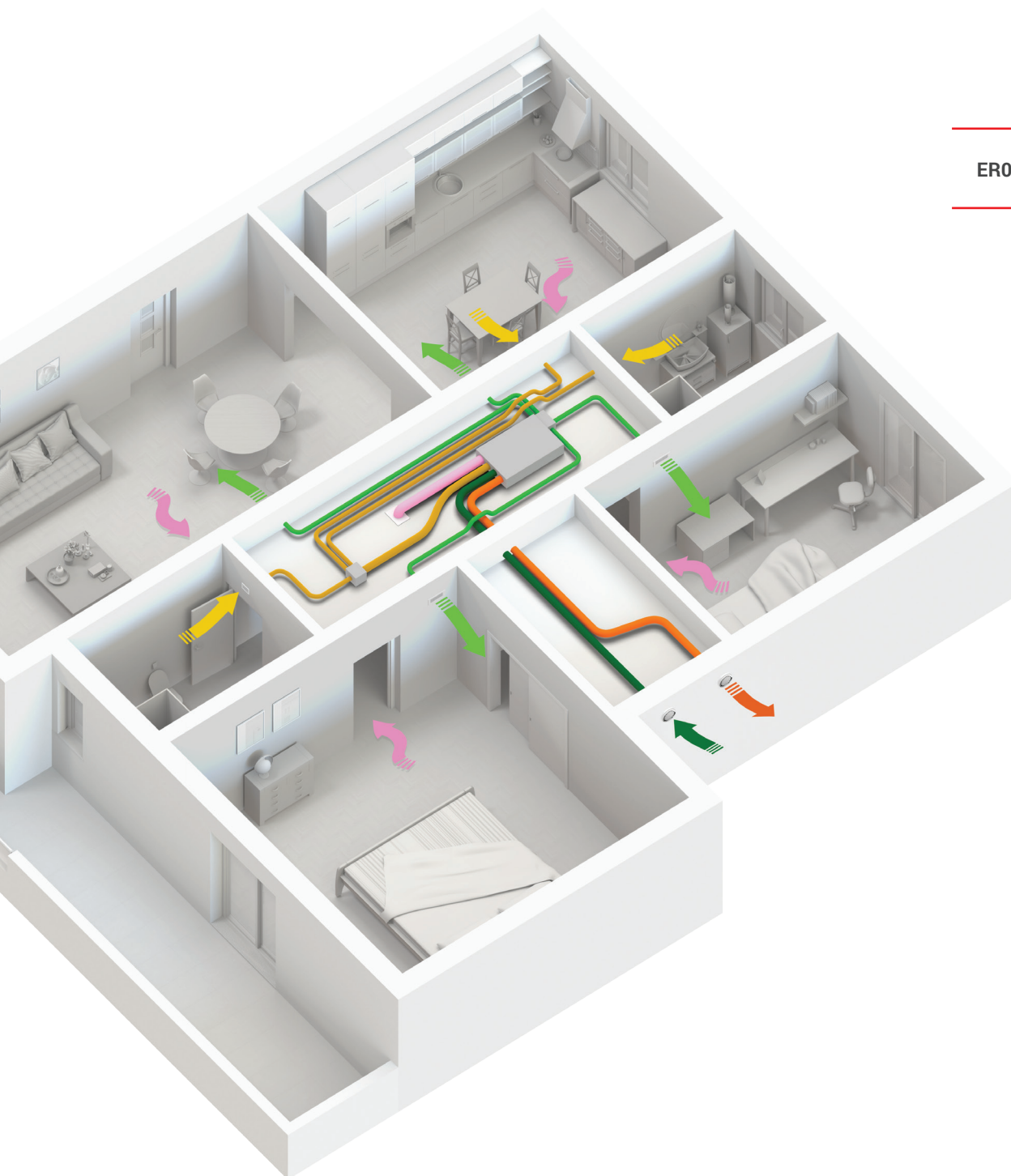


Radiant  
Systems

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## Air treatment and residential HRV



Technical solution for integration into  
radiant systems

# Air treatment and residential HRV



Air is an **essential element for life**: each person breathes about 12,000 liters of air every day. This is why ensuring **healthy, clean air** in the environments where we live and work is **fundamental to our well-being**. Starting from this simple yet crucial consideration, Giacomini has developed

a complete range of **solutions for Energy Recovery Ventilation systems**. The range includes **dehumidification units, hydronic fan coils, and air handling units** designed to ensure comfort, health, and high indoor air quality in every environment.



### Clean air, always

An effective and properly sized ventilation system helps maintain **high indoor air quality** by continuously removing pollutants - such as humidity and VOCs - and by **filtering the fresh air** drawn directly from outside the building.



### Energy saving

Giacomini's ventilation units are equipped with very high-efficiency heat exchangers, ensuring **maximum comfort with no energy waste.**



### Easy installation and refined design

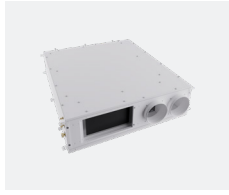
A **distribution system designed to simplify installation**, combined with refined terminal finishes to meet every aesthetic requirement.



## 1 Energy recovery units with dehumidification-thermodynamic integration



**KHRD-V**



**KHRD-HP**



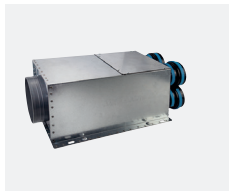
**KDV**

Monobloc mechanical ventilation and dehumidification units that combine room air renewal with a refrigeration circuit, required to dehumidify environments equipped with radiant Heating/Cooling systems. Flow rates from 150 to 600 m<sup>3</sup>/h.

## 2 Plenums for machines and manifolds



**KPL-C**



**KPL-M**

Distribution boxes used to split the air flow generated by the fan units into multiple corrugated ducts (KCORR – 75 or 90 mm diameter).

## 3 Grids and external terminals



**KEXT-FT**



**KEXT-AG**

Solutions for the fresh air intake and the exhaust air discharge to the outside, both on the façade and on the roof.

## 4 Plenums for room openings and grids



**KPP-2M**



**KGP-M**

Terminals for the supply or extraction of air in indoor environments, featuring refined aesthetic finishings and quick connections for easy installation.

## 5 Dehumidifiers



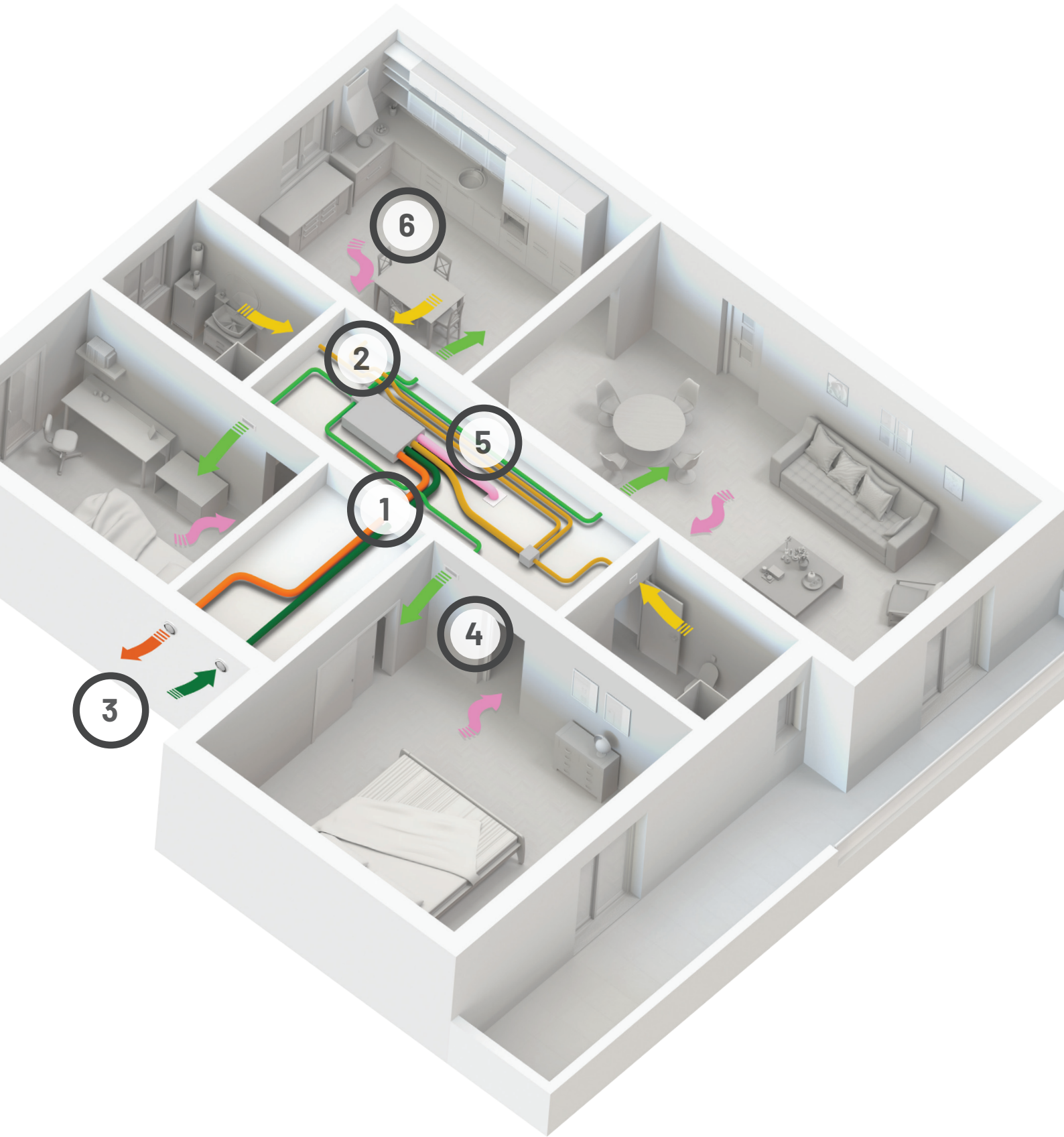
**KDP**



**KDS**

Air handling units for wall or ceiling installation, with a capacity from 24 to 60 L/24 h.

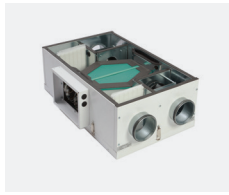




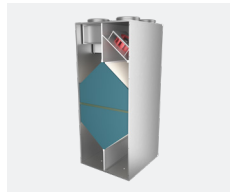
**6 Energy recovery units**



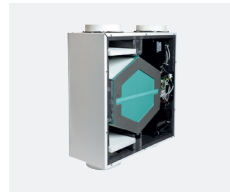
**KHR-V**



**KHR-H**



**KHR-VL**



**KHR-Z2**

Energy recovery ventilation (ERV) units for wall or ceiling installation, equipped with high-efficiency heat exchangers and featuring flow rates from 140 to 700 m<sup>3</sup>/h.

**Fan Coil range**

Radiant hot/cold integrated applications with dehumidification or hybrid solutions combining radiant underfloor heating and cooling with fan coils, year round and for extreme climate contexts.



**KFC-M**

Duct-type fan coil, for suspended ceiling installation with multi-zone control.



**KFC-WD**

Fan coil for wall-down installation.



**KFC-WU**

Fan coil for wall-up installation.



**KFC-F**

Fan coil for floor flush mounting.



# Air distribution components



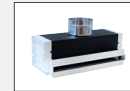
**KEXT-AG**  
External grid with anti-bird mesh



**KEPP**  
Rigid EPP pipe



**KFLEX-IP**  
Pre-insulated pipe with inner duct made with PVC film



**KPB-LC**  
Linear concealed plenum made of EPP



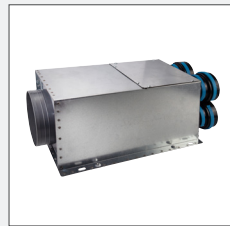
**KPP**  
Diffuser for KGP grids



**KGP**  
Supply grid with adjustable fins



**KPL-C**  
Supply air manifold for ventilation units



**KPL-M**  
Distribution manifold with inner sound-absorbing lining



**KSIL-F**  
Duct flexible attenuator



**KVM-R**  
90°-angle fitting for connection of up to two Ø75 or Ø90 mm ducts to a Ø125 mm diffuser



**KVM-RA**  
Steel valve with fitting support, RAL 9010 white



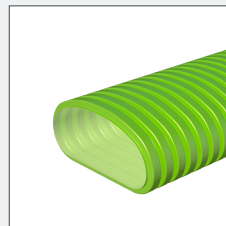
**KCORR-Z**  
90° adapter for semi-oval duct



**KCORR**  
Corrugated flexible pipe for HRV systems



**KCORR-PI**  
KCORR corrugated flexible pipe, with anti-condensation insulation



**KCORRX001**  
Corrugated flexible pipe for HRV systems lowered oval section



**KCORR-AH**  
Horizontal 90°-angle fitting for connection of KCORR corrugated oval pipes



**KCORR-G**  
EPDM seal ring for KCORR corrugated round pipes



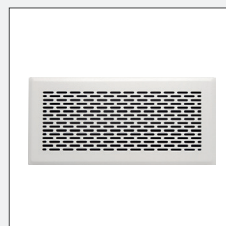
**KRI-TZ**  
Tee fitting



**KPP-2M**  
Diffuser for KGP-M grids with rapid KCORR pipe connection



**KGP-MA**  
Housing frame for wall mounting of KGPMY001 grid



**KGP-M**  
Finish grids for KPP-2M or KPP-3M



**KRI-RZ**  
Female-male concentric reducer fitting



**KEXT-FT**  
Roof terminal



**KCORR-A**  
90°-angle fitting for KCORR corrugated round pipes



**KPP-3M**  
Diffuser for KGPEY003 grid



**KPZ**  
Diffuser for KGZ grids



**KGP-L**  
Concealed linear diffuser for HRV systems



**KCORR-F**  
F-F connector for KCORR corrugated round pipes



**KBW**  
Cooling hydronic coil for stand-alone installation on the supply duct of energy recovery units



**KBE**  
Heating electric coil for stand-alone installation on supply duct



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Discover everything  
about our systems.

