

LICON s.r.o.

Heating Cooling **Ventilation**



Quality Function **Design** Tradition



REFERENCES



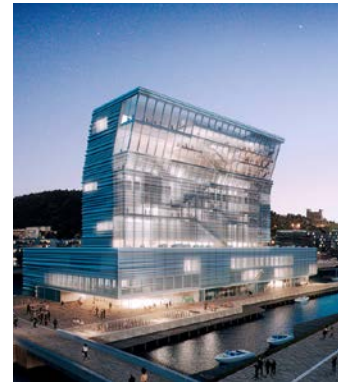
Sky Tower,
Wrocław, Poland



World of Volvo,
Göteborg, Sweden



Opera House,
Copenhagen, Denmark



Museum Munch Oslo,
Norway



SFU McTaggart Cowan Hall,
Burnaby, Canada



Ferring,
Copenhagen, Denmark



Landsbankinn,
Reykjavik, Iceland



Fyrstikkalléen 1 AS Oslo,
Norway



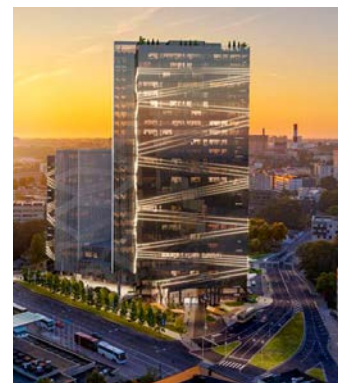
Central Plaza,
Dublin, Ireland



MCBA Museum,
Lausanne, Switzerland



Museum HC Andersens,
Odense, Denmark



Quartier Arter
Tallinn, Estonia



Raiqa,
Innsbruck, Austria



Harpa Concert Hall,
Reykjavik, Iceland



Nordea Headquarters,
Copenhagen, Denmark



Lachta Centr,
Saint Petersburg, Russia



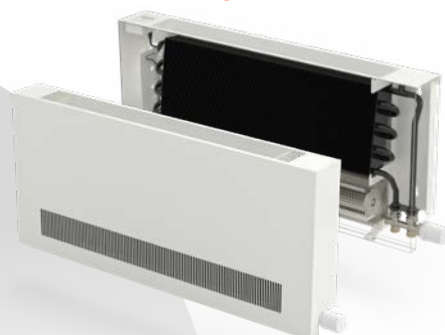
TRENCH HEATERS
KORAFLEX



FREE-STANDING
CONVECTORS
KORALINE



WALL-MOUNTED
CONVECTORS
KORAWALL



CONVECTORS
WITH FORCED
CONVECTION

FACADE
CONVECTORS
KORASPACE



CONVECTORS
WITH NATURAL
CONVECTION



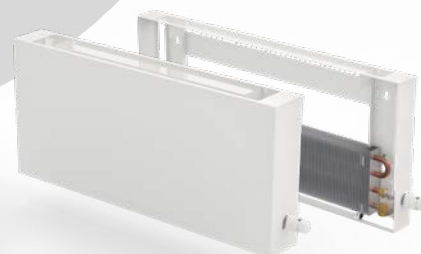
HEAT
EXCHANGERS
KORABASE



TRENCH
HEATERS
KORAFLEX



FREE-STANDING
CONVECTORS
KORALINE



WALL-MOUNTED
CONVECTORS
KORAWALL



CENTRAL HEAT RECOVERY
UNITS **VENTBOX**



Clean and
fresh air

PRODUCT PORTFOLIO

We offer a wide range of products under a single brand, enabling comprehensive solutions for all types of buildings and spaces. These contribute to maximum compatibility, simplicity of design and service, individual solutions and financial savings.

KORADO Group

LICON s.r.o.

A 55-year tradition in the manufacture of convection heaters. A member of the KORADO group since 2013. LICON s.r.o. offers tailor-made projects for every type of building. **LICON s.r.o. insists on using the most modern research and development methods, and works closely with leading experts in the field, including higher education institutions** (the Technical University of Liberec, the Czech Technical University in Prague, etc.).

We use the most up-to-date machines for the manufacture of our products, employing the principles of lean production. **Products are manufactured in the shortest possible time while maintaining maximum materials and design quality.** LICON s.r.o. is a certified ISO 9001 Quality Management supplier. Our products are manufactured and tested according to ČSN EN 442 and ČSN EN 16430 standards. CE marking indicates that LICON convectors conform to the conditions set out in the Declaration of Performance in accordance with Regulation No. 305/2011 of the European Parliament and of the European Council, and further confirmed by notified authority No. 1015, the Engineering Test Institute, Brno.

KORADO a.s.

We are a dynamic Czech company with a multinational institutional shareholder and we belong to the leading world manufacturers of steel radiators. **The quality of our radiators has been verified during the 60-year history by more than 30 million customers worldwide.** Our philosophy is to offer a complete heating solution and satisfy the requirements of even the most demanding customers.

Our core product range is steel panel radiators RADIK, towel rail radiators KORALUX, design radiators KORATHERM and a complete range of KORADO convectors. We are constantly extending our product range with new radiator models and also with completely new technologies and products. **This trend has been confirmed by a successful acquisition of the company LICON HEAT, s.r.o., thanks to which our product range has been extended with a complete range of floor, bench, wall and special convectors.** Another new project is the launch of local ventilation and heat recovery units, which will significantly extend the product portfolio of our company.

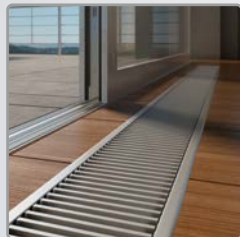


Quality for over 55 years



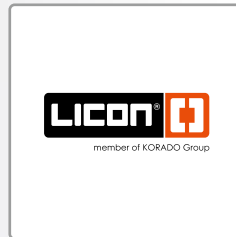
1968

The first LIKOV **steel convectors** were **manufactured** in Liberec in 1968.



1995

Product portfolio modernisation. **Production of the first trench heaters.**



2004

Comprehensive transformation of the company, **replacing the original LIKOV name to LICON HEAT s.r.o.**



2013

LICON HEAT s.r.o. acquired by KORADO.



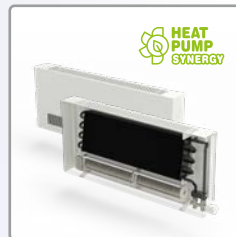
2020

New generation of KORAFLEX trench heaters



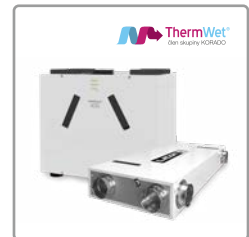
2022

The KORALINE free-standing convectors portfolio was significantly expanded to include new types, focusing on safety, design and high performance.



2023

The development of wall-mounted KORAWALL convectors with forced convection has expanded the portfolio to include units achieving high efficiency even at low temperature gradients.



2024

Change of name to LICON s.r.o., merger with the company ThermWet and production start of VENTBOX heat recovery units.



2025

Radon protection system – an effective solution against hazardous radon using controlled VENTBOX ventilation



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Under the LICON s.r.o. brand, we will continue to improve, develop and offer quality products in the areas of heating, cooling and ventilation.



KORAFLEX

TRENCH HEATERS WITH NATURAL CONVECTION



- 897 standard sizes
- 23 standard lengths
- 4 model lines

- Heat output up to 3 480 W
- 20 standard grilles
- Design solution options

KORAFLEX Optimal FKO

with natural convection



Our widest range of trench heaters. Available in Economic and Exclusive versions, which may be fitted with the entire range of grilles and frames.



KORAFLEX Thin FKT

with natural convection



Trench heater with the lowest unit height 6 cm. This model is particularly suited to interiors with low floor depth. Thin trench heaters may only be fitted with Thin grilles and Thin frames. Available in Economic and Exclusive versions.



KORAFLEX Basic FKB

with natural convection



Economic model suitable for design solutions. Manufactured from non-lacquered galvanised steel.

KORAFLEX Pool FKP

with natural convection



For humid environments, manufactured from AISI 316 stainless steel finished with hem, RAL 9006 grey lacquered heat exchanger.



KORAFLEX

TRENCH HEATERS WITH FORCED CONVECTION



- 180 standard sizes
- 12 standard lengths
- 3 model lines
- Heat output up to 13 435 W
- Cooling output up to 1 035 W
- Safe regulation guaranteeing precise fan rotation and declared output
- 24 V DC or 230 V AC regulation
- Design solution options



KORAFLEX Pool-V FVP with forced convection



Model line for humid environments. Made of AISI 316 stainless steel, with a sloping base and a dividing partition as protection against flooding. The swimming pool model may be fitted with an aluminium grille. Pool trench heaters are finished with hems replacing frames.



Unsuitable for salt water pools.



KORAFLEX Optimal-V FVO with forced convection



Our widest range of 24 V DC powered trench heater models with forced convection. Available in Economic and Exclusive versions, fitted with RAL 9005 black lacquered heat exchangers. The KORAFLEX Optimal range may be fitted with the entire range of grilles.



KORAFLEX Energy FVE with forced convection



Derived from the Optimal range, extended by 20 cm, housing electrical regulation and 230 V AC connection. Suitable for dry environments for heating only. Installation of the device must be carried out by persons with relevant electro technical qualifications. Proper inspection and testing of the electrical installation must be carried out prior to commissioning.

KORAFLEX HEATING AND COOLING

TRENCH HEATERS WITH FORCED CONVECTION



- 17 standard sizes
- 14 standard lengths
- 2 model lines

- Heat output up to 10 745 W
- Cooling output up to 2 180 W
- Design solution options

KORAFLEX Variant F2V

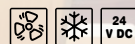


model, heating or cooling
2-pipe system

For heating or cooling. Achieves high heating and cooling performance. The F2V model is fitted with a stainless steel condensation drainage canal.

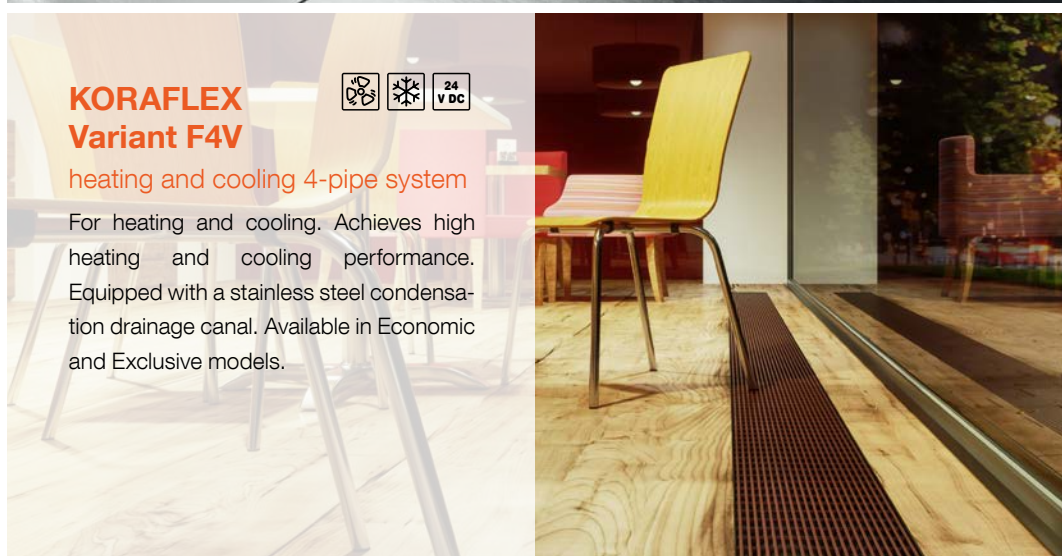


KORAFLEX Variant F4V



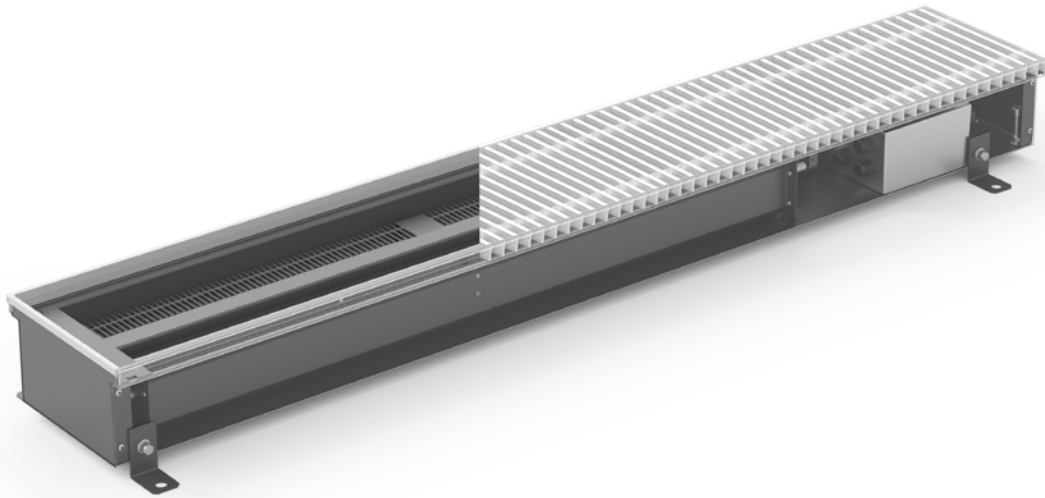
heating and cooling 4-pipe system

For heating and cooling. Achieves high heating and cooling performance. Equipped with a stainless steel condensation drainage canal. Available in Economic and Exclusive models.



KORAFLEX FULLY ELECTRIC

TRENCH HEATERS ARE FULLY ELECTRIC AND REQUIRE NO HEATING SYSTEM



- 3 lengths
- One standard width and depth
- 1 model line
- Heat output up to 2 400 W
- Quiet, powerful and economical
- Possible as an additional assembly

KORAFLEX Amper FVA (230 V AC)

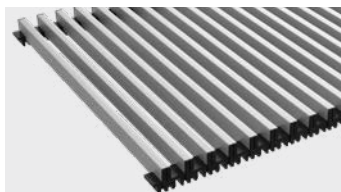
fully electric and require
no heating system

Fully electric floor convector with aluminium elox grille, which achieves high heating performance and rapid heat transfer to the room and contains – a powerful electric heat exchanger and an EC tangential fan. Reliable regulation then guarantees simple and safe operation. The trench heater has its own heating system independent from the central heating system and does not contain a heat exchanger for hot water heating. The floor convector is compact in size and is suitable wherever there is no possibility of connecting to the heating system.

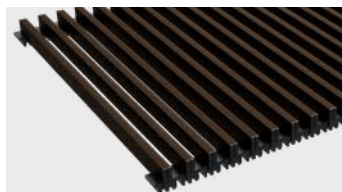


KORAFLEX GRILLES

Aluminium elox



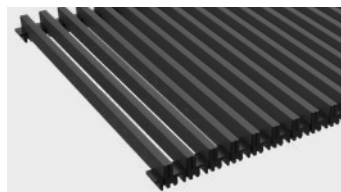
Roll-up alu/silver



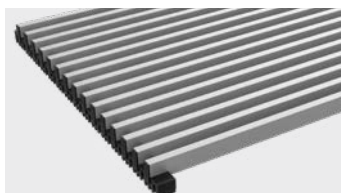
Roll-up alu/dark bronze



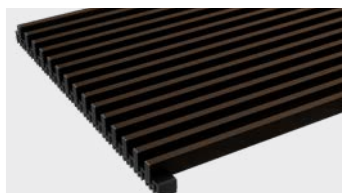
Roll-up alu/light bronze



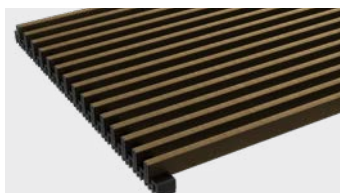
Roll-up alu/black



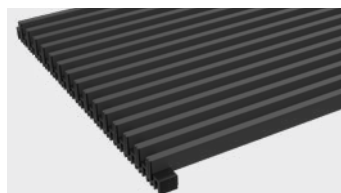
Linear alu/silver



Linear alu/dark bronze

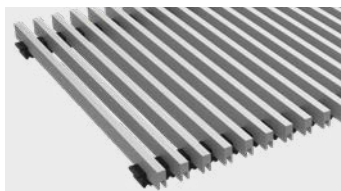


Linear alu/light bronze



Linear alu/black

Thin – aluminium elox – lowered height, available only for KORAFLEX Thin FKT



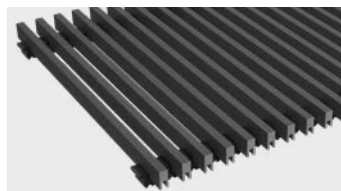
Roll-up alu/silver



Roll-up alu/dark bronze



Roll-up alu/light bronze

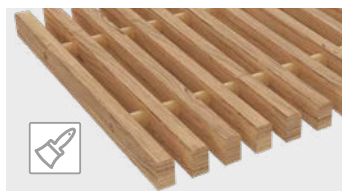


Roll-up alu/black

Wood



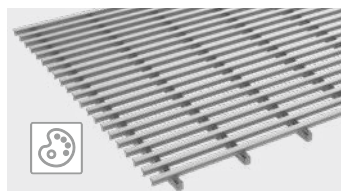
Roll-up natural/lacquered beech



Roll-up natural/lacquered oak



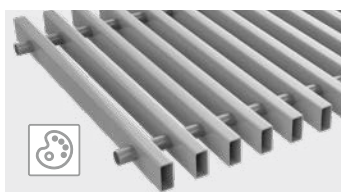
Roll-up natural/lacquered mahogany
(upon request)



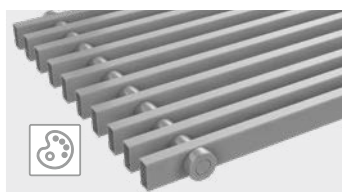
Cross/steel, RAL 9006 lacquer
(upon request)

Cross

Steel

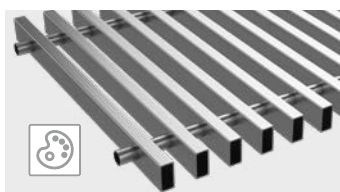


Roll-up steel, RAL 9006 lacquer

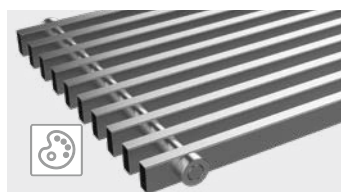


Linear steel, RAL 9006 lacquer

Stainless steel



Roll-up/stainless steel

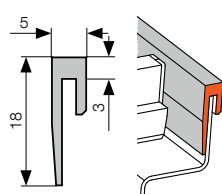


Linear/stainless steel

KORAFLEX FRAMES

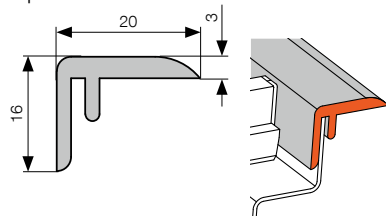
U-frame

Standard

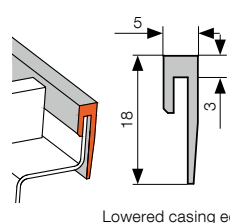


F-frame

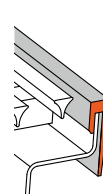
Optional



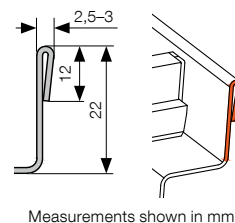
Thin frame



Cross frame



Hem

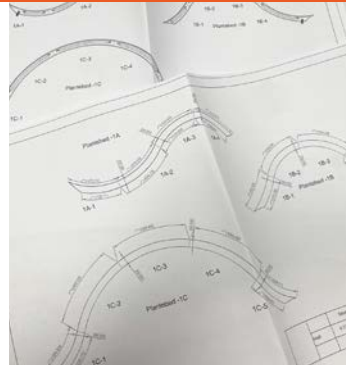


Lowered casing edge

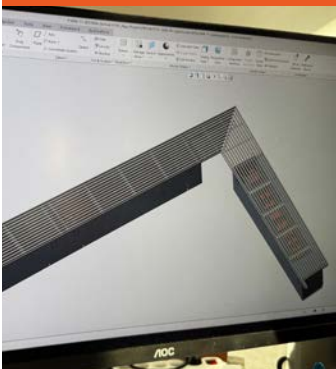
Measurements shown in mm.

PROJECT SHOWCASE

OPERA HOUSE, COPENHAGEN, DENMARK

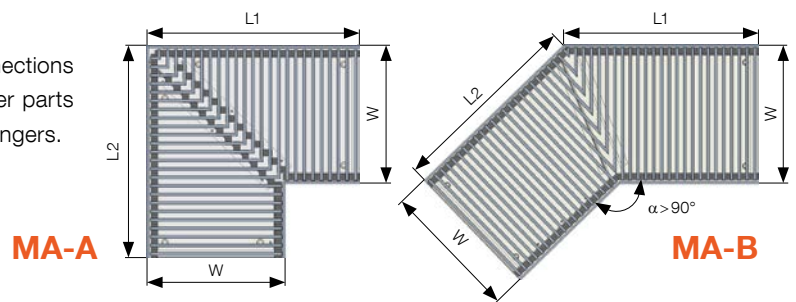


LIGHTHOUSE, AARHUS, DENMARK



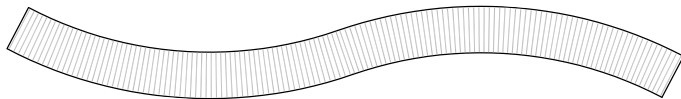
CORNER PARTS

Corner parts are the ideal solution to ensure seamless connections of KORAFLEX trench heaters in the corners of rooms. Corner parts are design elements only – they are not fitted with heat exchangers.



ANGLED AND CURVED DESIGNS

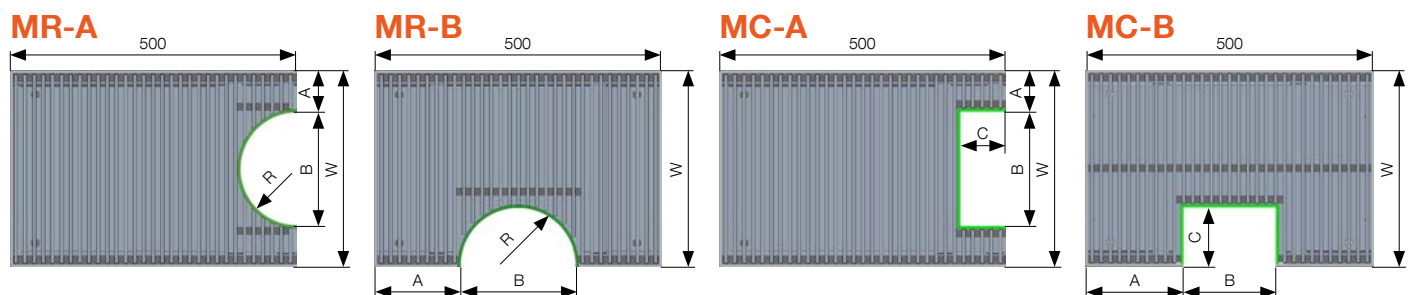
Unified style and technical design for every interior, elegant continuous convectors along the walls of an entire room, available in angled and curved designs. These elements are equipped with heat exchangers.



DESIGN MODULES

Our modular system was developed to simplify the installation of trench heaters in unusual interiors and to enable rapid processing of orders and quotations for projects. Modules are design elements

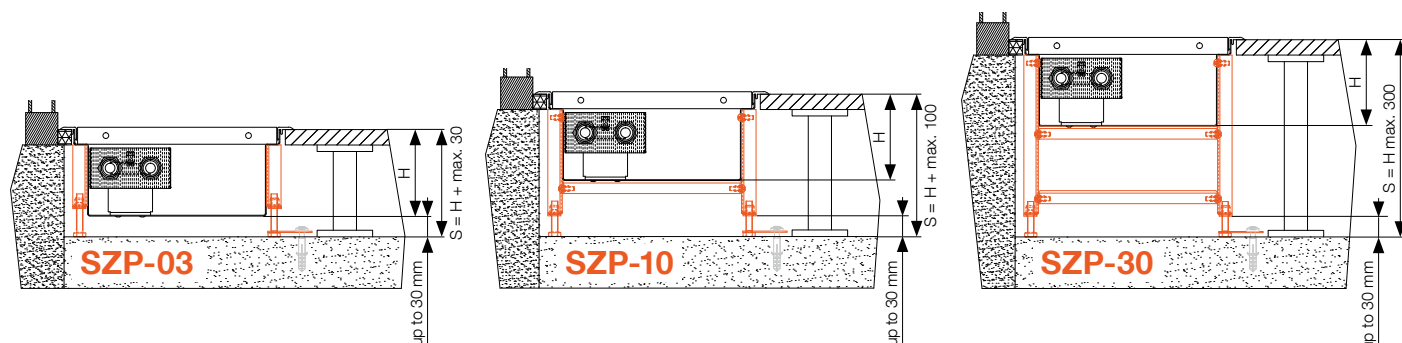
only – they are not fitted with heat exchangers. **The wide range of design modules means quick and easy selection of trench heater systems made to suit your particular interior.**



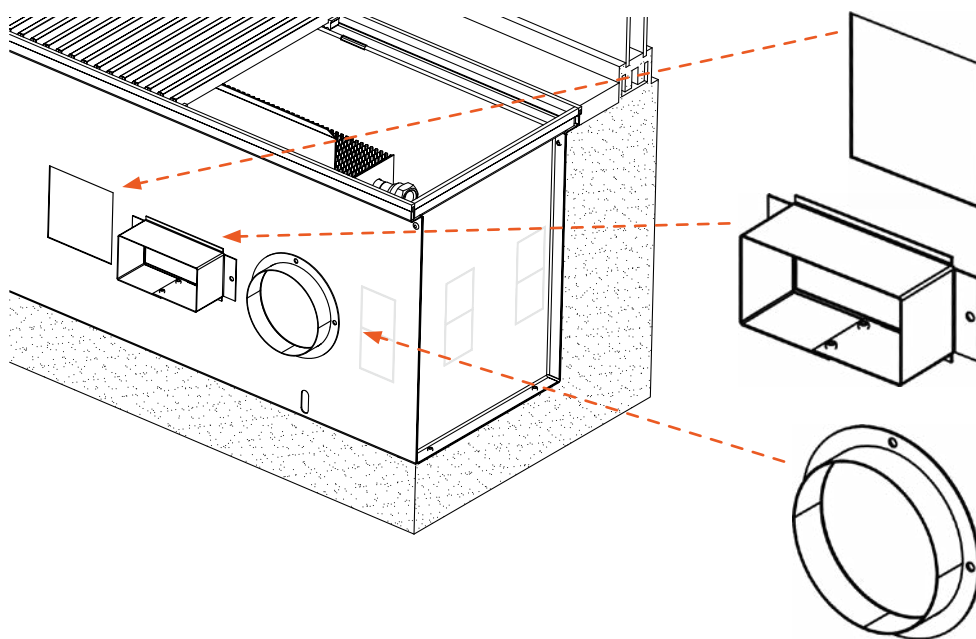
RAISED FLOOR INSTALLATIONS

Raised floor supports offer a stable and effective solution for raised floor trench heater installations. Supports are made of non-lacquered

steel, are suitable for raised floors for a depth of up to 500 mm and can be used with trench heaters with both natural and forced convection.



AIR CONDITIONING CONNECTIONS



Opening for air conditioning connection

- optional alteration to construction
- measurements as per specifications
- quotation on request

Rectangular flange

- optional accessory
- measurements as per specifications
- quotation on request

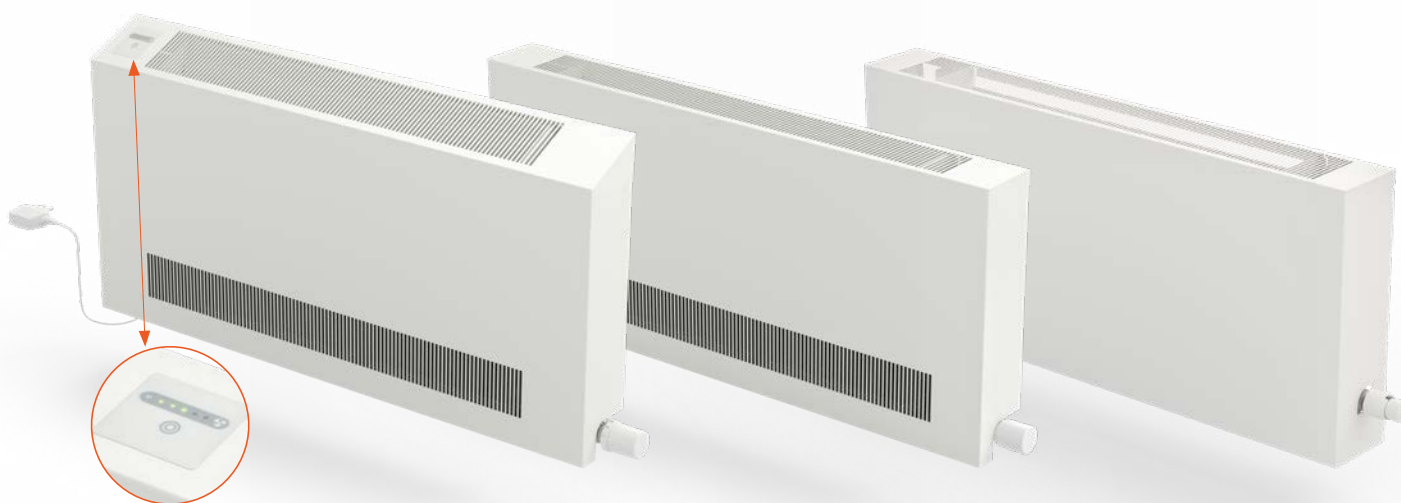
Circular flange

- optional accessory
- measurements as per specifications
- quotation on request



KORAWALL

WALL-MOUNTED CONVECTORS WITH NATURAL AND FORCED CONVECTION



- 103 standard sizes
- 7 model size ranges
- Heat output up to 8 960 W

- Cooling output up to 1 419 W
- Heating and cooling functions
- Models with forced and natural convection

KORAWALL Optimal WKO, Power WKW



with natural convection

Wall-mounted convectors have long been used in households and commercial premises, delivering high performance despite their compact size. KORAWALL convectors feature a very low and safe surface temperature. The Power WKW variant is equipped with a high-performance heat exchanger, allowing it to achieve even greater heating output.

KORAWALL Direct WVD



Wall-mounted convector with forced convection, autonomous control and 24 V DC connection

KORAWALL Energy WVE



Wall-mounted convector with forced convection, autonomous control and 230 V AC connection

Highly efficient wall-mounted convectors are suitable for use with heat pumps. The convectors are equipped with autonomous control with an integrated keyboard, which allows the fans to be regulated directly on the units. Connection to the electrical network is via a prepared terminal block, which is safely built inside the heating body or via a network adapter directly into the electrical socket.



KORAWALL Optimal-V WVO, Pool-V WVP with forced convection

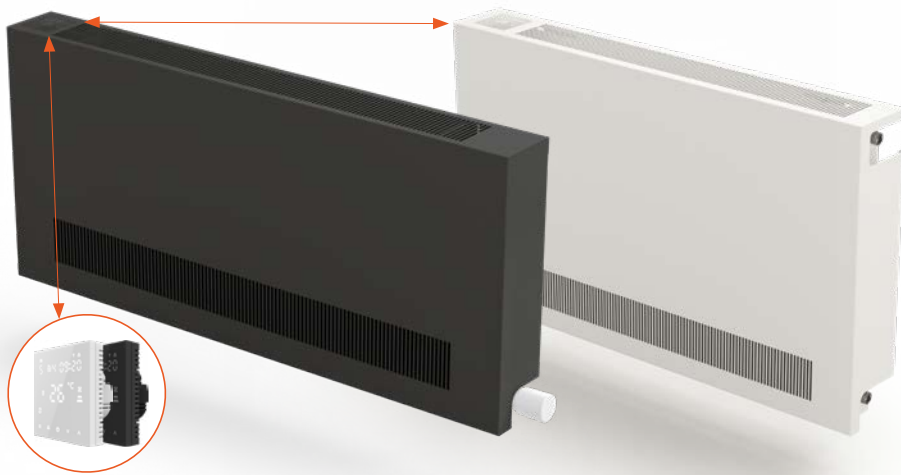


Developed for low-temperature heating systems. High performance is guaranteed even at very low temperature gradients. Ideal for installations where the heat source is a heat pump, solar system or condensing boiler. In the summer months they can be used for cooling without causing condensation.



KORAWALL

WALL-MOUNTED CONVECTORS WITH FORCED CONVECTION



- Thermostat with LED display
- 50 cm connection spacing – 1:1 replacement for existing radiators (WRT, WRO)
- High performance even at low temperature gradients
- Cooling option in the non-condensing range
- Quiet and energy-efficient fan with speed control
- Modern design and universal application

KORAWALL Optimal-R WRO, Therm-R WRT



Wall-mounted heating unit suitable for renovations

A modern wall-mounted heating unit with a fan, ideal for renovations. It offers a 50 cm connection spacing, a built-in thermostat, and easy installation thanks to pre-assembled stainless steel flexible hoses. The unit is suitable for low-temperature heating.

IDEAL FOR RENOVATION

KORAWALL Therm-V WVT



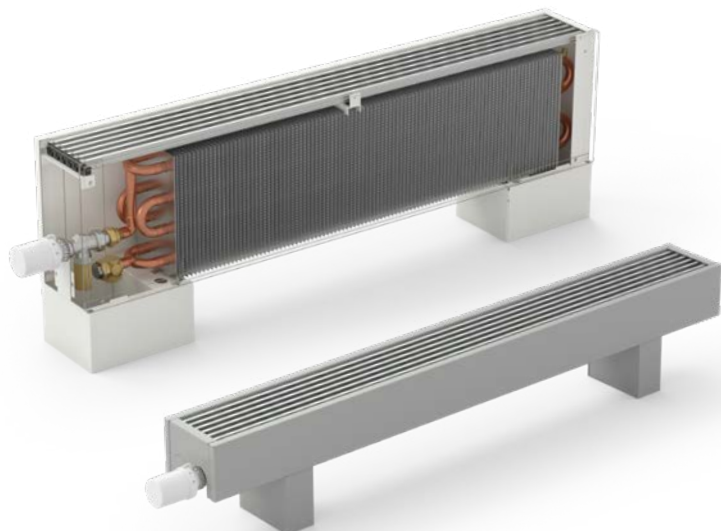
Wall-mounted convector with forced convection, equipped with a touch LED thermostat

A modern wall-mounted heating unit with a fan and 24 V DC power supply. It delivers high performance even in low-temperature operation, offers cooling in the non-condensing range, and features control via an integrated electronic thermostat with LED display. Ideal for new buildings, family homes, and renovations.

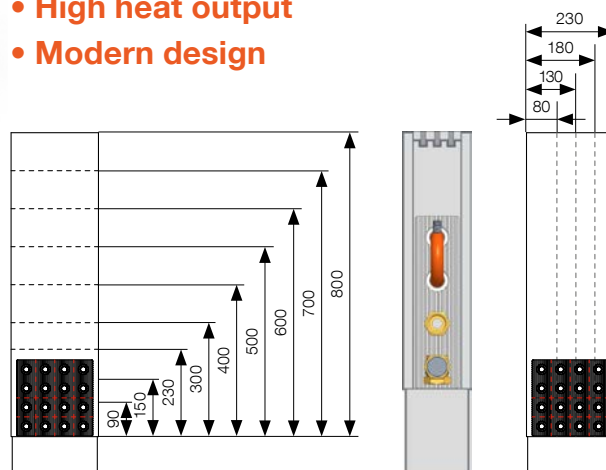


KORALINE

FREE-STANDING CONVECTORS WITH NATURAL CONVECTION AND DESIGN GRILLE



- 756 standard sizes
- 16 standard lengths
- 2 model lines
- Heat output up to 7 400 W
- Floor or wall installation
- Low surface temperature
- High heat output
- Modern design



KORALINE Optimal LKO



with natural convection

It is characterised by design and output. They are fitted with a high-quality silver elox aluminium grille. Given the diverse portfolio and the optimal output, convectors in this model line are ideal for heating private houses, residential and office buildings.



KORALINE Power LKW



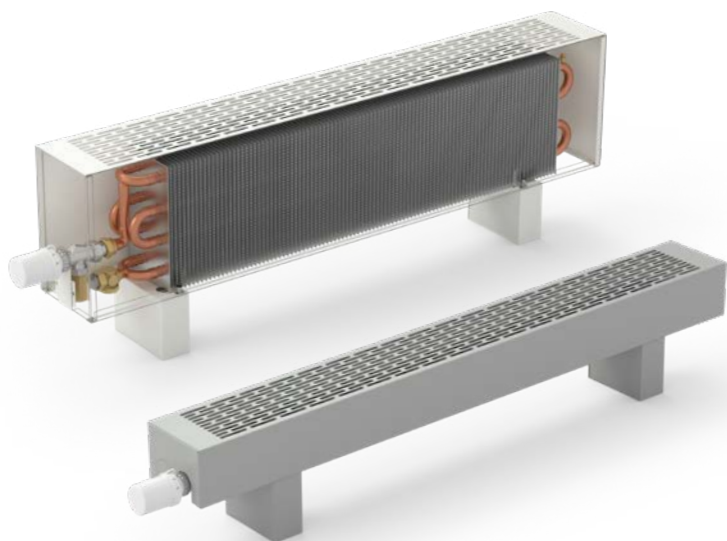
with natural convection

It is the most extensive model line and features a high-performance heat exchanger with double the standard area of uniquely shaped fins. This model line provides high heat output while maintaining a modern design. Convectors are fitted with a high quality silver elox aluminium grille.

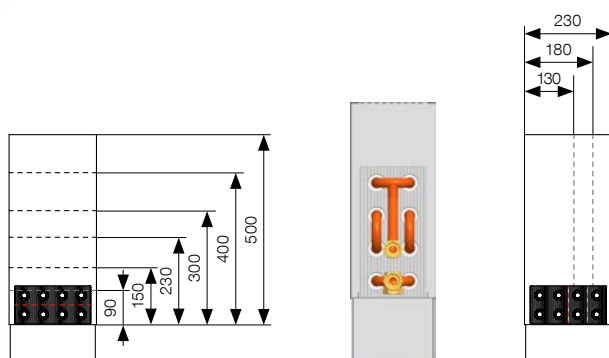


KORALINE

FREE-STANDING CONVECTORS WITH NATURAL CONVECTION AND PERFORATED SAFETY GRILLE



- 480 standard sizes
- 16 standard lengths
- 2 model lines
- Heat output up to 7 400 W
- Floor or wall installation
- Low surface temperature
- High heat output
- Perforated safety grille



KORALINE Basic LKB

with natural convection



Is the standard version of our low surface temperature free-standing convectors. In this model line, the safety grille is perforated directly in the galvanised steel casing. Optimal outputs and a favourable price make KORALINE Basic the ideal model line for heating private homes, apartment complexes and office buildings.



KORALINE Combi LKC

with natural convection

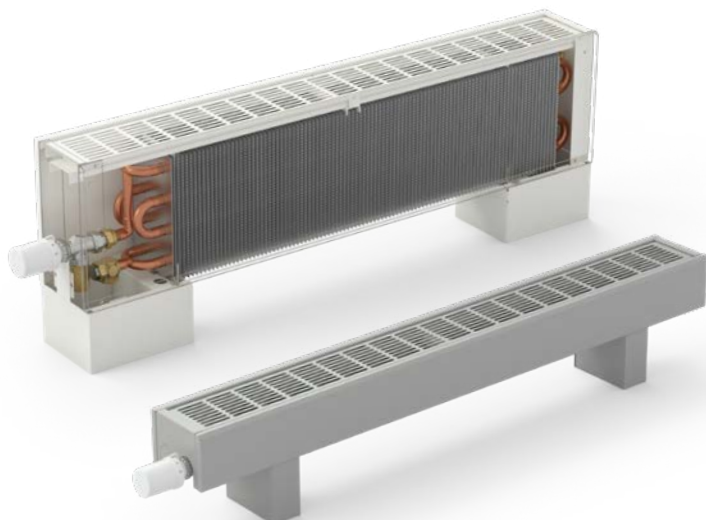


KORALINE Combi LKC models house a high-performance heat exchanger with double the standard area of fins. A safety grille is an integral part of the casing – it is perforated directly in the galvanised steel casing body. Thanks to their compact dimension, maximal output, and low surface temperature, the KORALINE Combi LKC model is suitable for heating a variety of interiors starting from small family houses up to large public premises.

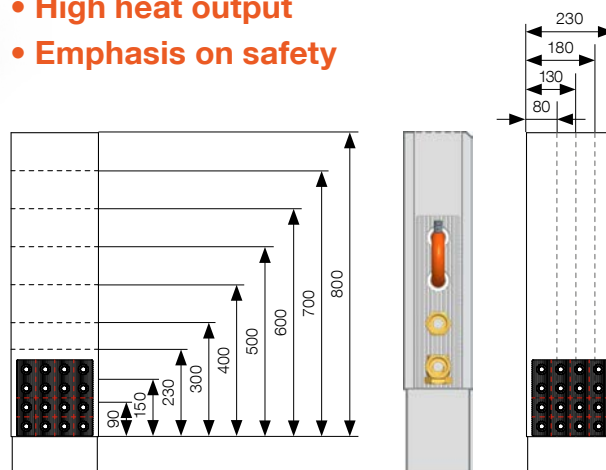


KORALINE

FREE-STANDING CONVECTORS WITH NATURAL CONVECTION
WITH SYMMETRIC SAFETY PENCILPROOF GRILLE AND RESISTANT DESIGN



- 561 standard sizes
- 11 standard lengths
- 2 model lines
- Heat output up to 5 096 W
- Floor or wall installation
- Low surface temperature
- High heat output
- Emphasis on safety



KORALINE Safe LKS



with natural convection

For safety reasons, the convector casing is made of a 1.5 mm thick sheet steel, its front edge is bevelled, and is fitted with a symmetric pencil-proof grille. Thanks to its safety features and low surface temperature, this model line is ideal for installation in educational, healthcare, administrative and public premises.



KORALINE Max LKM



with natural convection

This line features a combination of heightened safety level and maximum output. The casing is made of 1.5 mm thick sheet steel and is equipped with a symmetric pencil-proof grille. The body houses a high-performance heat exchanger with double the standard area of aluminium fins.

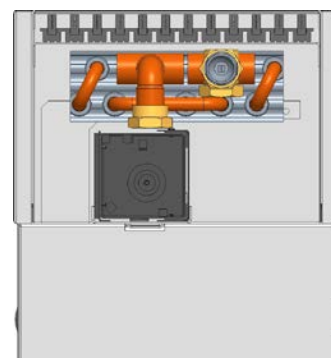
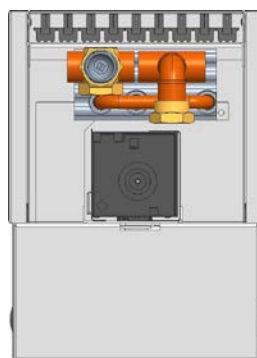


KORALINE

FREE-STANDING CONVECTORS WITH FORCED CONVECTION



- 12 standard sizes
- 6 standard lengths
- 2 model lines
- Heat output up to 6 061 W
- Floor installation
- Low surface temperature
- Version with forced convection
- High heat output



KORALINE Optimal-V LVO with forced convection



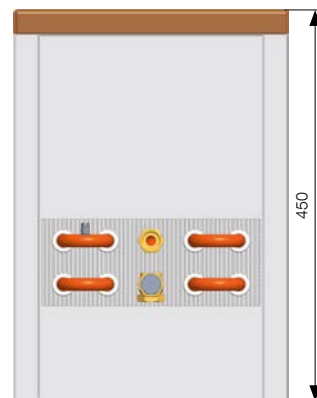
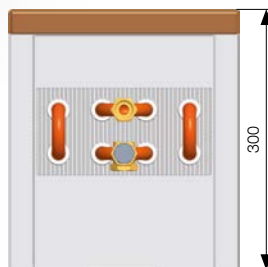
An exclusive version of free-standing convectors fitted with economical 24 V DC fans with minimum power input. Achieves very high performance even with low-temperature gradients. The model is available, equipped with aluminium grilles.

KORALINE

BENCH CONVECTOR WITH WOODEN BENCH TOP



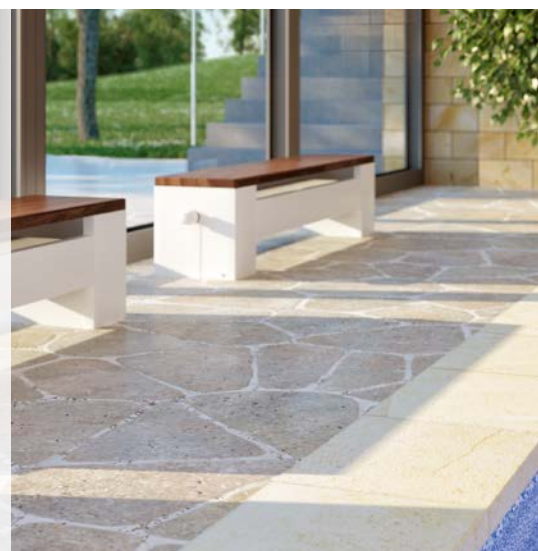
- 12 standard sizes
- 6 standard lengths
- 2 model size ranges
- Heat output up to 3 525 W
- Solid wood bench tops
- 3 bench top wood options: beech, oak or American walnut
- Version for damp/humid environments
- High heat output
- Sophisticated design



KORALINE Optimal LDO

with natural convection

Bench convectors fitted with beech, oak or American walnut bench tops. Manufactured from RAL 9016 white lacquered galvanised sheet steel. Designed for dry environments in halls or administrative buildings. Built to bear static weight and suitable for sitting.



KORALINE Pool LDP

with natural convection

A proven smart combination of design, performance and characteristics. KORALINE Pool LDP is fitted with RAL 9016 white lacquered AISI 316 stainless steel casing. Where fitted with American walnut bench tops, this model is suitable for installation in environments with increased humidity.



KORABASE

HEAT EXCHANGERS



- 168 standard sizes
- 12 standard lengths
- 7 size ranges
- Heat output up to 5 500W
- Design solution options
- Counter-flow and single-stream connections

KORASPACE

FACADE CONVECTORS



- Optional colours available according to the RAL colour chart
- Design solution options

KORABASE Economic BVE, Exclusive BVX



KORABASE heat exchangers are suitable for individual installations, especially in spaces where uniformity of interior design materials is paramount. Heat exchangers are manufactured from copper tubes and aluminium fins. The Exclusive version is lacquered black RAL 9005.



KORASPACE FK with natural convection



Facade convectors are an ideal and effective solution for buildings with large all-glass facades, when the transmission of cold air during the winter months may significantly affect the microclimate of the interior. KORASPACE facade convectors are installed directly onto the facade, thereby preventing the direct transmission of cold air into the interior of the building. Warm air rising from the convector mixes with descending

cool air to create a thermal barrier, providing greater comfort without causing condensation on the surface of the glass.

- Excellent controllability and rapid temperature rise
- No transmission of heat to the exterior of the facade
- Space for further, parallel distribution systems



VENTBOX

HEAT RECOVERY UNITS



- Centralised and decentralised configurations
- Optimum, Premium, Comfort variants
- For all building types
- High airflow rate

- Mounting options: ceiling, wall, or floor
- Fresh air without allergens, pollen, CO₂
- Control via web interface

VENTBOX 150 Thin VENTBOX 200 Thin

90%
Φ

Centralised heat recovery units for apartments and small houses up to 150 m²

- Economy, Optimum, Premium, Radon
- possibility of fitting with an enthalpic counterflow heat exchanger
- M5 ePM10 filters or F7 ePM1

VENTBOX 800 VENTBOX 800 Public

88%
Φ

Centralised and decentralised heat recovery units for the family houses with an indoor pool, administrative buildings, schools, libraries, cafes up to 600 m²

- Premium, Radon
- possibility of fitting with an enthalpic counterflow heat exchanger
- F7 filters or F7 carbon EPM1 filters

VENTBOX 300 VENTBOX 400

95%
Φ

Centralised heat recovery units for apartments and family houses up to 300 m²

- Optimum, Premium, Comfort, Radon
- possibility of fitting with an enthalpic counterflow heat exchanger
- M5 ePM10, F7 filters or F7 carbon filters



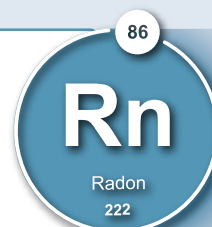
RADON PROTECTION SYSTEM



Effective protection against radon

PATENTED*

Radon is a naturally occurring, invisible radioactive gas produced by the decay of uranium, thorium, and radium found in soil, rocks, and underground water. It is colourless, tasteless, and odourless, making it undetectable without special instruments.



Radon accumulates primarily in enclosed spaces such as homes, schools, kindergartens, and offices, where it can reach dangerous concentrations. Its presence indoors is hazardous in the long term, so it is important to measure radon concentrations in buildings and take measures to reduce its infiltration.



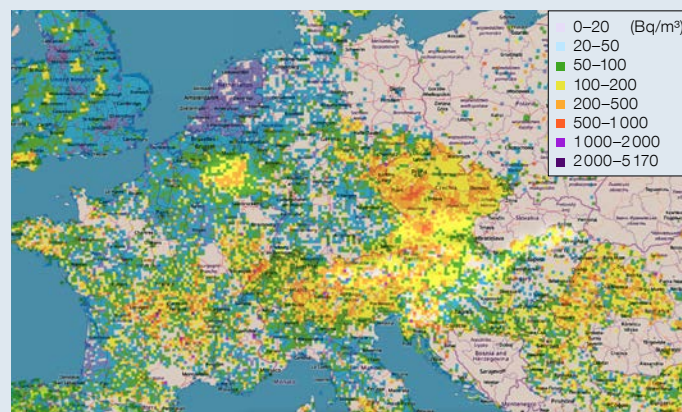
Central heat recovery units are key elements of modern living and working environments.

This innovative technology provides efficient ventilation while minimising energy losses. These units offer the possibility of installing a radon sensor, which is particularly relevant in high radon concentrations. This innovative feature allows for continuous monitoring, providing users with an accurate overview of the levels of this radioactive gas in their living environment.

* patented solution undergoing Czech regulatory approval process

Radon and VENTBOX ventilation units

- Heat recovery units VENTBOX are an effective solution for ensuring a healthy environment in homes and workplaces. These units can be equipped with a radon sensor that automatically monitors the indoor radon concentration.



Source: remap.jrc.ec.europa.eu



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