jaga

CLIMATE DESIGNERS

PROJECT SOLUTIONS FOR COOLING, VENTILATING, AND HEATING

jaga

CLIMATE DESIGNERS

A comfortable indoor climate all year round with minimal impact on the outside climate. Good for inside and outside.

◂ **Cover: Tour Eqho Paris La Défense - France Jaga Clima Canal**

New technologies have to consume far less energy. They have to insure a better indoor climate without damaging the outdoor climate. Traditional systems with fire and carbon emissions have to be extinguished. We have to evolve towards a green flame and build a sustainable path towards a better future. Choosing the sustainable path is no longer a matter of choice, it's an obligation.

Always honouring its values, Jaga Climate Designers continually look for the most ecological solutions for cooling, ventilation and heating.

Join us and become a Jaga Climate Designer ambassador.

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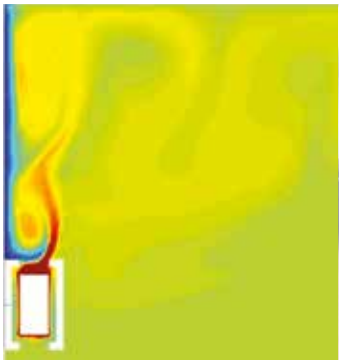
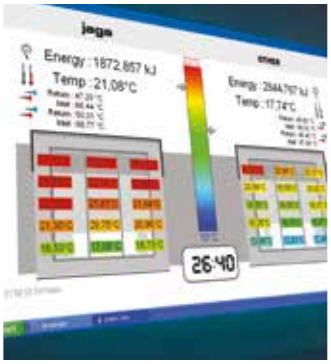
WE DESIGN TO MEASURE

Jaga designs the most energy-efficient and aesthetic solutions for heating, cooling and ventilation. Perfectly integrated solutions according to the wishes of the architect and the client and according to your project's needs and specifications. This way we can ensure that you do not have to limit your creativity due to the HVAC requirements. In the Jaga Experience Lab, a unique EN442 and EN16430 certified climate laboratory, we can simulate and test any customized solution and climate situation at an outside temperature of up to -30°C. By doing so we are certain that our custom work actually works!

Customization possible for every project!





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THE MOST ECOLOGICAL SYSTEMS

Jaga is a pioneer in ecological Low-H_2O coils for low water temperatures and dynamic systems. This both for heating and for passive and active cooling systems. Jaga has already been able to contribute to numerous leading ecological BREEAM, LEED or DGNB certified buildings. Our solutions can also be an important building block in your pursuit of a better environmental score

WORLD GREEN BUILDING COUNCIL

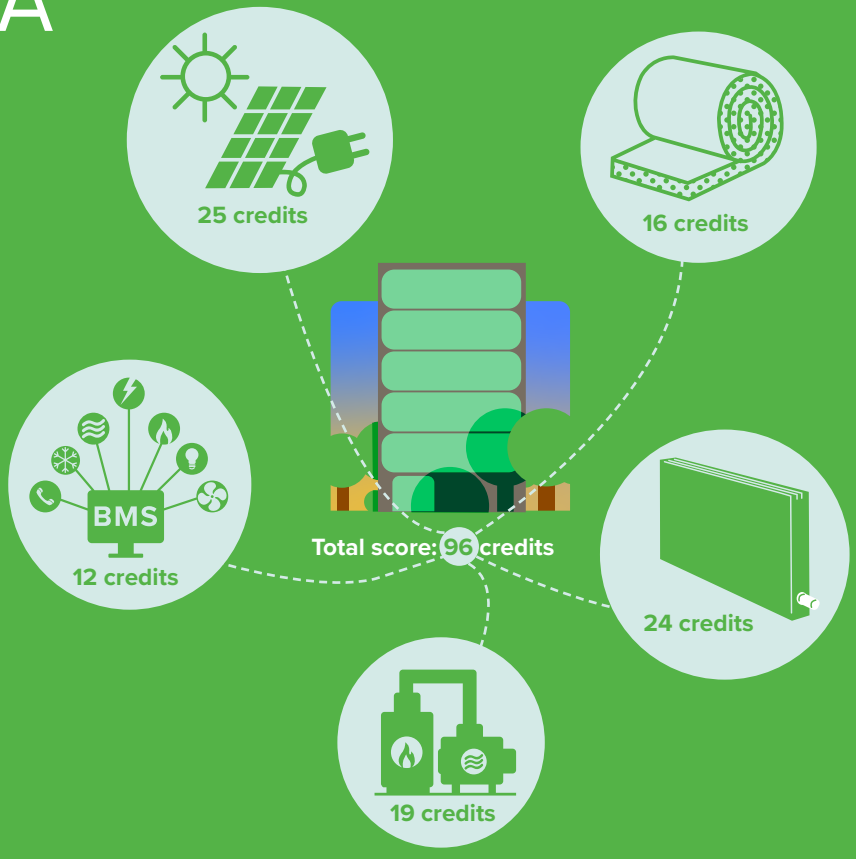
DGNB
Deutsche Gesellschaft für Nachhaltiges Bauen
German Sustainable Building Council

Amazon HQ Seattle "The Spheres" Jaga Low-H_2O Installation in a wall recess ▸
Image: Sunita Martini / Seattle Refined

BREEAM & JAGA

BREEAM is the world's leading sustainability assessment method for masterplanning projects, infrastructure and buildings. BREEAM is a registered trademark. It recognises and reflects the value in higher performing assets across the built environment lifecycle, from new construction to in-use and refurbishment.

Just as BREEAM pushes the envelope of quantifying sustainability and creating awareness of possibilities for infrastructure and buildings. Jaga strives towards innovation while focussing on the importance of durability. Creating better, more efficient and sustainable systems is the main focus point for Jaga. The analysis shows that their systems align with loads of BREEAM topics from energy consumption, indoor climate, dealing with materials to reduction of waste and pollution.



Different building products can add value to the BREEAM score due to their unique properties. By combining that, your overall score of project will increase.

OVERVIEW BREEAM CREDITS

Jaga can contribute up to **25 credits** for BREEAM International New Construction certificate, which increases the value of the building. Analysed by Encon, an independent assessor organisation.

10 CATEGORIES FOR CREDITS ACCORDING TO BREEAM:

		max. credits	**Jaga potential**
MANAGEMENT			
MAN 04	Commissioning and handover	4	**2**
HEALTH & WELLBEING			
HEA 02	Indoor Air Quality	5	**2**
HEA 04	Thermal comfort	3	**3**
HEA 05	Acoustic Performance	2	**1**
ENERGY			
ENE 01	Reduction of energy use and carbon	15	**3**
ENE 02	Energy monitoring	2	**2**
ENE 04	Low carbon design	3	**2**
TRANSPORT			
WATER			
MATERIALS			
MAT 01	Life Cycle Impacts	6	**1**
MAT 06	Material efficiency	1	**1**
WASTE			
WST 05	Adaptation to climate change	1	**1**
WST 06	Functional adaptability	1	**1**
LAND USE & ECOLOGY			
POLLUTION			
POL 01	Impact of Refrigerants	4	**3**
POL 02	NOx Emissions	2	**2**
POL 05	Reduction of noise pollution	1	**1**
INNOVATION			









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FOR EVERY BUILDING

- offices
- schools
- care centers & hospitals
- residential projects, residential parks, apartment complexes
- commerce & catering industry
- warehouses & corporate buildings
- and more ...

Jaga's project solutions can be found in the tallest and largest buildings in the world, but also in a small school or a residential complex. Jaga is a specialist in compact systems for every building where the climate is one of the top priorities There are many examples of standard and customized Jaga Climate Designer products in this brochure.
Looking for an inventive and ecological solution for your project? Challenge us!

PROJECTS


CVRIA
COUR DE JUSTICE
DE L'UNION
EUROPÉENNE

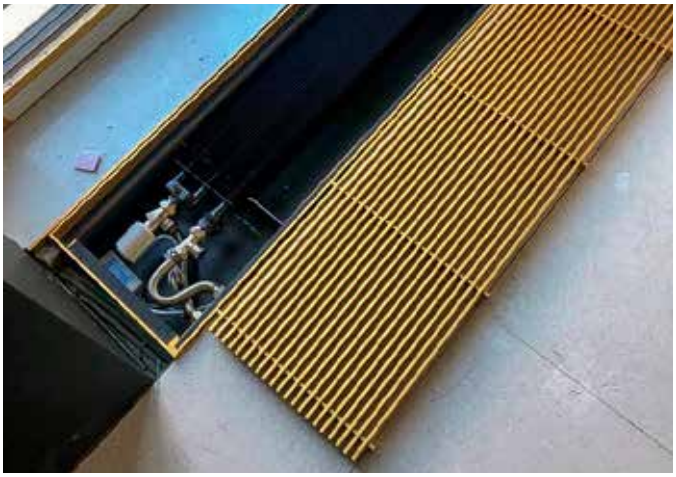
COUR DE JUSTICE DE L'EU

Project	**Cour de Justice de l'EU**
Country	**Kirchberg, Luxembourg**
Architect	**Dominique Perrault Architecture**
Engineer	**Felgen**
Main contractor	**Climalux**
Surface	**192 000 m²**
Jaga product	**Mini Canal Pro**
Award	**BREEAM excellent**

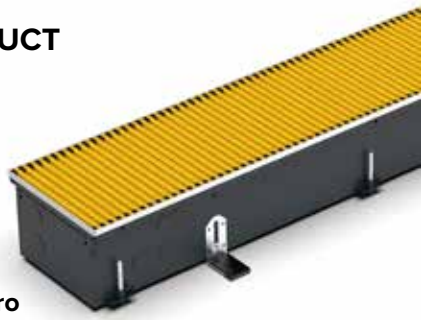
Jaga tailored trench solution
The Jaga Mini Canal with its minimal installation depth is the ideal solution for offices. Hidden beneath a golden grid is a super-fast Low-H_2O heat exchanger that was lacquered completely dark gray and thus rendered "invisible". The golden grids were specially made to match with the towers' design.

Why a solution in gold?
While designing the building, the Parisian architect Perrault thought: "If justice had a color, what would it be?" According to Perrault, the answer is gold. "This is not a criminal court. It is not a place that deals with prisons and punishments. It has to do with relations between European countries, with constitutional affairs.".

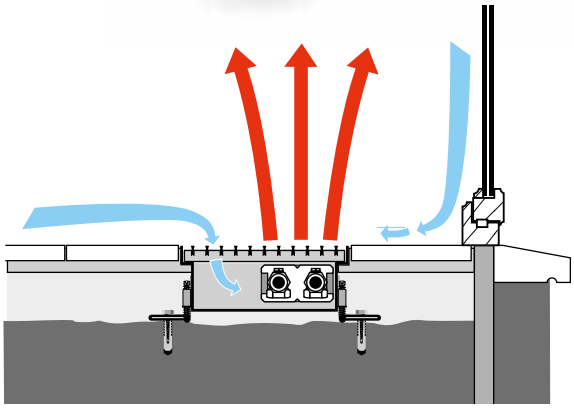
"Moreover, Luxembourg often has a sad sky, this way, we can capture the sun."

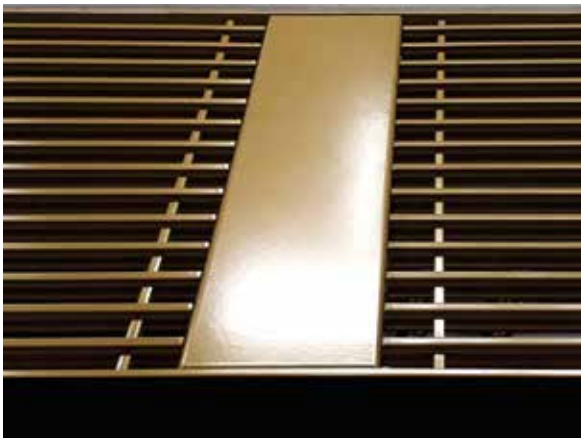


JAGA PRODUCT



Mini Canal Pro





Acoustic partition

jaga PROJECTS

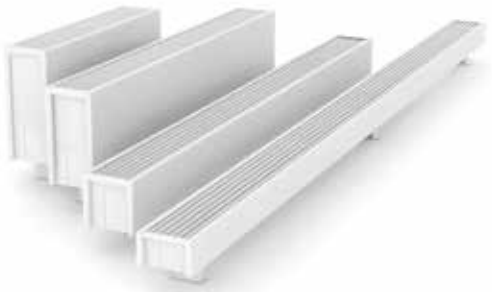
TANZENDE TÜRME

Project	**Tanzende Türme**
Country	**Hamburg, Germany**
Architect	**BRT Architekten**
Engineer	**Pinck Hamburg, Germany**
Main contractor	**Züblin AG**
Surface	**64 000 m²**
Jaga products	**Mini Canal - Mini Freestanding**
Award	**LEED Gold certified**

The Tanzende Türme (or “dancing towers”) building in Hamburg is a multiuse space, including offices, restaurants, and a nightclub. Known as the dancing towers, the construction is unique in its striking bent facade of steel and glass. It features external LED strip lights and is equipped with a hurricane-proof deflection pane.
The building won the MIPIM Award in 2014 for the Best Office and Business Development and came third in the BDA Architecture Prize in 2012. It’s a LEED GOLD certified building, installed with 1 591 pieces of Jaga Mini Freestanding and 61 pieces of Jaga Mini Canal.
The radiators use Low-H_2O technology, and ensure no heat is lost through the glazed facade. They offer maximum heat emission with the lowest energy consumption, and are powered with an ultra-fast and super conductive heat exchanger. The Mini Canal is an under floor unit that reacts quickly to fluctuations in temperature and is tailored to match the interior design.

JAGA PRODUCTS

Mini Canal



Mini Freestanding

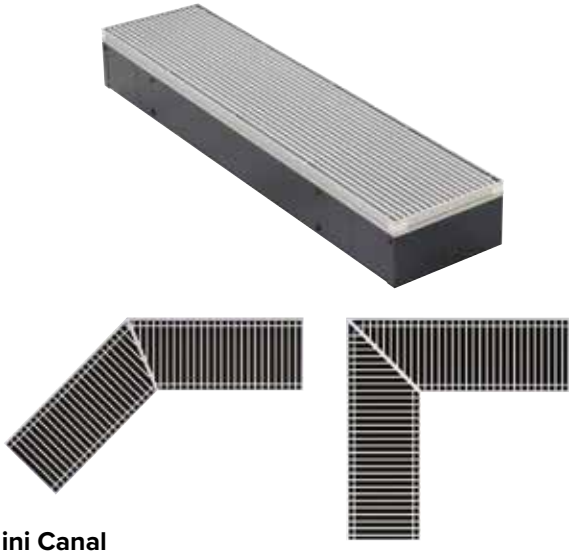
jaga PROJECTS

9/11 MEMORIAL MUSEUM

Project	**9/11 Memorial Museum**
Country	**New York City, USA**
Architect	**Snøhetta**
Engineer	**Buro Happold**
Main contractor	**PJ Mechanical**
Surface	**4 400 m²**
Jaga product	**36 Mini Canal special**
Award	**LEED Gold certified**

The National September 11 Memorial Museum in New York was completed in 2014 and was designed to resonate with its surrounding context. With floor to ceiling glass windows providing light and views across the site, it was necessary to devise a customised solution that allowed for heating within the concrete floor. This was one of the reasons to choose for the Jaga Mini Canal trench heater.
The Mini Canal reacts quickly to any fluctuations in temperature, and the Low-H20 technology cuts carbon emissions by 10%. A super conductive and efficient heating system, with a low water content and ultra-fast heat exchanger, ensuring maximum heat and low energy consumption. Its minimal recess depth of 9 cm makes it ideal for buildings with large windows to eliminate any potential drafts, without blocking views.
Designed by Snøhetta, the pavilion has a LEED Gold certification and hereby follows the Memorial's sustainability guidelines. The building is optimised to perform with minimal energy and the installation of Jaga's underfloor heating system helps to achieve this, while reducing operating costs.

JAGA PRODUCT



Mini Canal

jaga PROJECTS

WALTROVKA

Project	**Waltrovka**
Country	**Prague, Czech Republic**
Architect	**K4 a.s.**
	Jakub Cigler Architekti
	Atelier Krátký
Engineer	**Vladimír ŠPAČEK**
Main contractor	**Subterra a.s., Ekoklima a.s.**
Surface	**76 500 m²**
Jaga product	**Mini Canal**
Award	**LEED Gold certified**

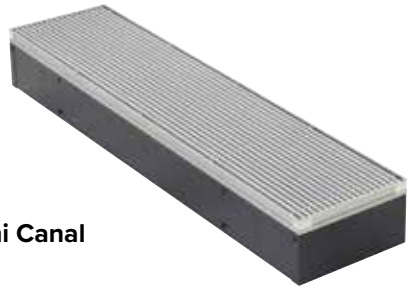
The goal of the Waltrovka project in Prague was to reinvigorate the Jinonice district. The former location of the well-known production facility, Walter Motors, is now home to a “mixed-use” complex. The domain is situated near a lovely 2 hectare park and includes office and residential units, as well as a recreational area.

The Waltrovka project itself is 76 500 m² in total and consists of 3 different buildings: Mechanica (33 500 m²), Dynamica (16 000 m²) and Aviatica (27 000 m²).

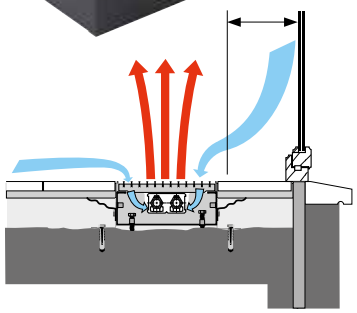
Jaga was chosen as a partner in this project because of our high quality units and finish. Our Mini Canal, a compact floor solution with an installation height of just 9 centimeters, was the top choice for these projects. The Mini Canal’s walkable grille was chosen because it could be adjusted to the interior.

In this way Jaga was not only able to meet the strict requirements and expectations of the various parties in this project, but the project also received the coveted LEED Platinum & LEED Gold certifications.

JAGA PRODUCT



Mini Canal



jaga PROJECTS

THE EDGE

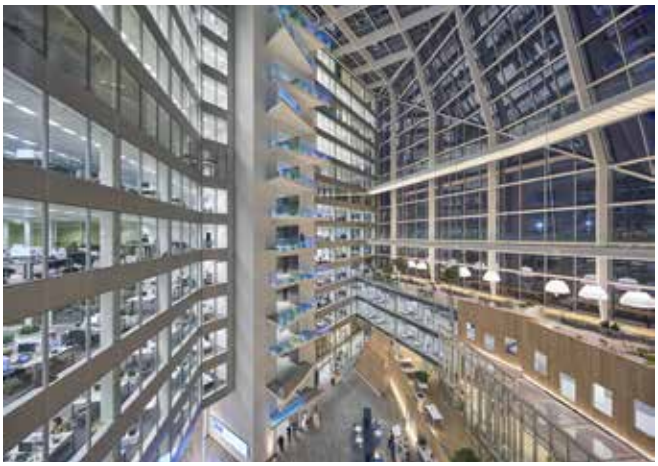
Project	**The Edge**
Country	**Amsterdam, The Netherlands**
Architect	**PLP Architecture**
Engineer	**Deerns**
Main contractor	**HOMIJ Technische Installaties**
Surface	**51 608 m²**
Jaga product	**Mini Freestanding DBE**
Award	**BREEAM Outstanding**

World's most sustainable office building

Recognized as the "World's Most Sustainable Office Building", the Edge is not just an office building in Amsterdam, it's also the "smartest" building in the world. It has achieved an "outstanding" rating from British agency BREEAM, which awarded it a score of 98.4 % - the highest score ever awarded.

"A quarter of this building is not allocated desk space, it's a place to meet," says Ron Bakker, architect of the Edge at London-based PLP Architecture. "We're starting to notice that office space is not so much about the workspace itself; it's really about making a working community, and for people to have a place that they want to come to, where ideas are nurtured and the future is determined."

Jaga Mini Freestanding radiators with DBE are installed along the entire façade of the atrium to block the cold of the windows and create a pleasant working climate.



JAGA PRODUCT

Mini Freestanding DBE

jaga PROJECTS

COUNCIL HOUSE CH2

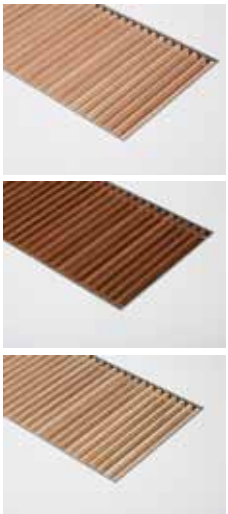
Project	**Council House CH2**
Country	**Melbourne, Australia**
Architect	**PLP Architecture Design Inc.**
Engineer	**Bonacci Group**
Main contractor	**Hansen Yuncken**
Surface	**12 536 m²**
Jaga product	**Mini Canal**
Award	**6 star Green Star - Office Design**

WORLD GREEN BUILDING COUNCIL

The first commercial project awarded a 6-star Green Star rating by the Green Building Council of Australia

An administrative building for the City of Melbourne. CH2 has been designed to reflect the planet's ecology. The first focus of the design process for CH2 was to gain an understanding of Melbourne's climate and weather patterns. Therefore the building operates like an ecosystem by responding to its environment. Melbourne is well known for its 'four seasons in one day'. In the case of CH2, this variability was viewed as an opportunity to design the building around the concept of cold energy storage. The building therefore operates in two seasonal modes (winter and summer), as well as day mode and night mode.
CH2's many parts work together to heat, cool, power and water the building, creating a harmonious environment. CH2 has been designed to not only conserve energy and water, but the quality of the internal environment of the building has also been designed to improve the wellbeing of its occupants. CH2 demonstrates a new approach to workplace design, creating a model for others to learn from and follow.

JAGA PRODUCT



Mini Canal

jaga PROJECTS

FEDERATION TOWER

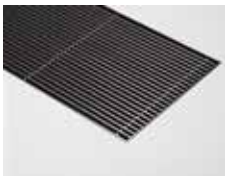
Project	**Federation Tower**
Country	**Moskou, Russia**
Architect	**Schweger Architekten, Speech, Tchoban Voss Architekten**
Engineer	**Thornton Tomasetti**
Main contractor	**Renaissance Construction**
Surface	**442 915 m²**
Jaga product	**Mini Canal**

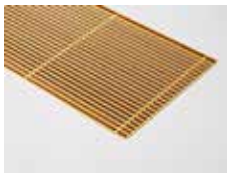
Federation Tower is a skyscraper in the Russian capital Moscow consisting of two towers. The first tower, Vostok (east), has a height of 374 meters (95 floors). The second tower, Zapad (west), has a height of 242 meters (63 floors). A large part was reserved for the Grand Hyatt Moscow, but the top floors became restaurants, a viewing platform and a fitness club with swimming pool.

The building was the tallest building in Europe for a short time, but was later surpassed by another Jaga project: Lakhta Center in St. Petersburg, Russia.

The Jaga Mini Canal with its minimum installation depth of 9 cm is ideal for buildings with large windows to prevent any drafts without obstructing the view. A super conductive and efficient heating system with a low water content and ultra fast heat exchanger, which guarantees maximum heat and low energy consumption.

JAGA PRODUCT





Mini Canal

jaga PROJECTS

CENTRO BOTIN

Project	**Centro Botín**
Country	**Santander, Spain**
Architect	**Renzo Piano & Luis Vidal + architects**
Engineer	**Dynamis**
Main contractor	**OHL/Ascán**
Surface	**8 739 m²**
Jaga product	**Clima Canal**

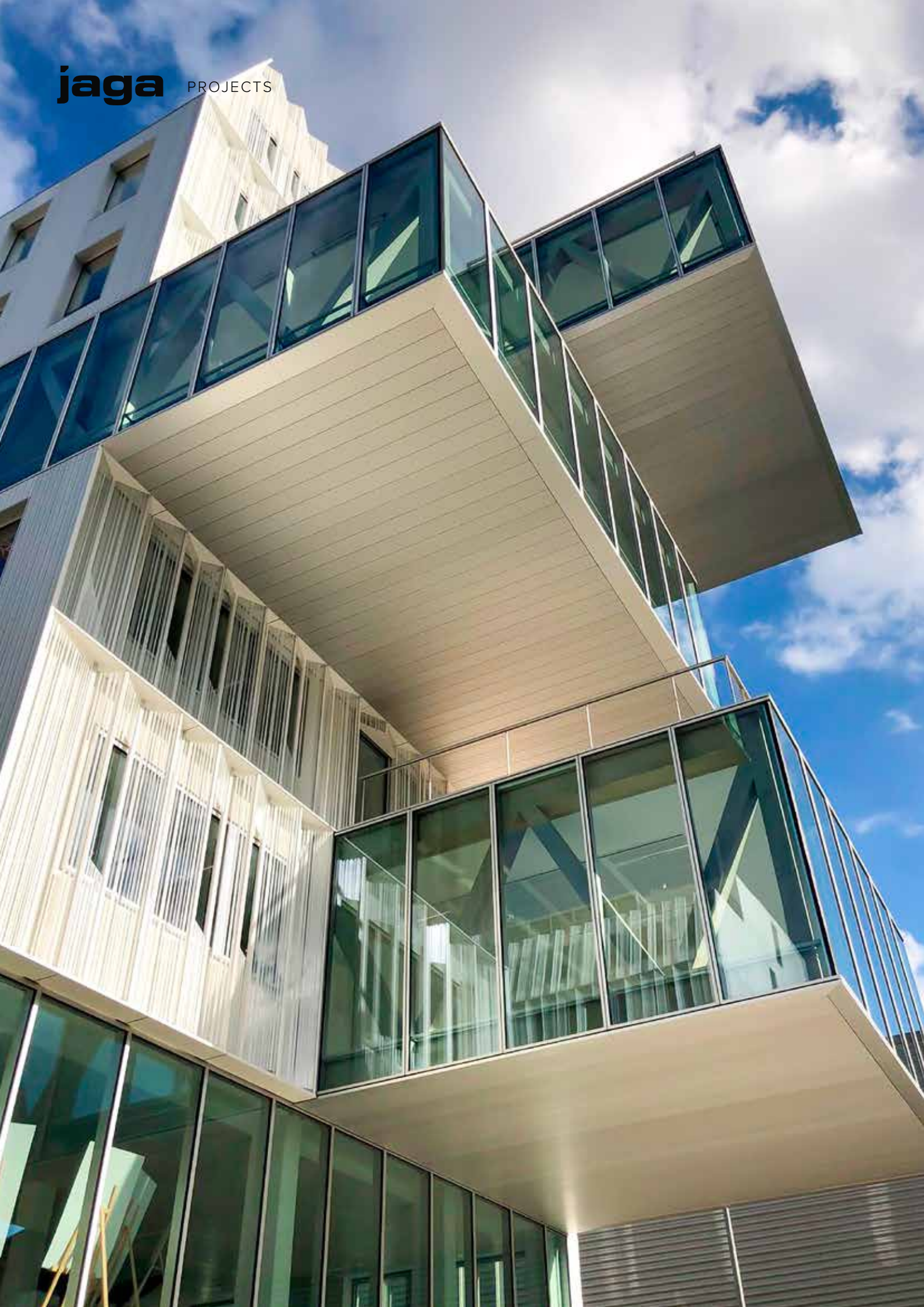
The Centro Botín project, with a surface area of 8 739 m^{2,} is an art center in Santander, Spain. Thanks to the wide and varied range of artistic experiences that are offered to the general public, Centro Botín is a meeting place for people who want to be inspired.

This new building, where art is used to improve the lives of people and society in general, was designed by architects Renzo Piano and Luis Vidal + arquitectos. Furthermore, this building consists of 2 blocks, with the western block dedicated to art and the eastern block to cultural and educational activities.

Jaga was chosen as a partner for this project because of our high-quality devices, but also because of our flexibility in general, both in the design phase and on site. We didn't opt for ceiling solutions. We chose devices that would go well with the interior of the Centro Botín project. That is why it was decided to install 177 of our Jaga Clima Canal floor installation solutions with personalized grilles that match the floors and the interior of the Centro Botín project perfectly.

JAGA PRODUCT

Clima Canal


jaga
PROJECTS

BERCY CRYSTAL

Project	**Bercy Crystal**
Country	**Paris, France**
Architect	**Brenac & Gonzalez**
Engineer	**Ogic**
Main contractor	**Bouygues Energies Services**
Surface	**14 550 m²**
Jaga product	**Clima Canal**
Award	**HQE Excellent**
	BREEAM Very Good

Strong architecture with a great deal of modularity

The Bercy- Crystal tower has already established itself as the future icon of the Bercy district in Paris thanks to its innovative architecture with both broken and flowing lines, and its glass windows. The luxurious building has more than 14 550 m² of offices that can be configured in all possible ways and the elegant workspaces, made of noble materials and with lots of natural light, are being used by almost 1 000 employees. The project was delivered in September of 2017.

Special Clima Canal underfloor solutions wer e installed on the t op floor in order to provide discrete heating , cooling and ventilation. Moreover, t

he project received the double certification : HQE Excellent and BREEAM Very Good, with Compliance at RT2012 -30%!

JAGA PRODUCT

Clima Canal 4-pipe

COMMERCIAL

Poste du Louvre - France - Clima Canal

Roots - Belgium - Installation in a wall recess

Willis Tower - USA - Clima Canal

The Grand Mark Hotel - Czech Republic - Strada

Höfdatorg - Iceland - Clima Canal

BMW Langley - Canada - Mini Canal

Nike Distributiecentrum - Belgium - AVS Unit heater

Blood Center - Poland - Strada

WZC Vinkenbosch - Belgium - Strada & Oxygen

AZ Groeninge - Belgium - Installation in a wall recess

UZ Leuven - Belgium - Strada

WZC Clarenhof - Belgium - Mini Canal

Royal Hospital - United Kingdom - Tempo DBE

Kinderpsychiatrisch Centrum - Belgium - Mini Canal DBE

De Rotterdam - The Netherlands - Mini Canal

KPMG Headquarters Luxembourg - Mini Canal

Flame Towers - Azerbaijan - Mini Canal

Rivergate - Austria - Linea Plus Vrijstaand

Axel Springer - Germany - Mini Canal Pro

Thyssen Krupp - Germany - Mini Canal

The Bridge - The Netherlands - Mini Canal

Tour Eqho - France - Clima Canal

Bonner Bogen - Germany - Clima Canal 4-pipe

Sky Tower - Romania - Mini Canal Special & Tempo

AGC Glass Europe - Belgium - Clima Canal

Facebook Park Tower - USA - Briza

Statoil HQ - Norway - Mini Canal

Kungsbrohuset - Sweden - Mini Freestanding & Strada

NAC Hasselt - Belgium - Briza Special

Opera House - Norway - Mini Canal

Atomium - Belgium - Iguana

Gerechtsgebouw De Hazelaar - Belgium - Tempo Sur pieds

Université de Jussieu - France - Clima Canal

Provinciehuis Antwerpen - Belgium - Mini Canal

University of Washington - USA - Installation in a wall recess

Zilart - Russia - Mini Canal

Les jardins de la Source - Belgium - Strada

The 7 - Germany - Clima Canal

Private residence - Italy - Briza

Skypark - Slovakia - Mini Canal

V-Tower - Czech Republic - Mini Freestanding & Strada

Madison Apartments - Poland - Clima Canal

jaga PROJECT SOLUTIONS

More products or info
see **www.jaga.com**

EXAMPLES OF PROJECT SOLUTIONS

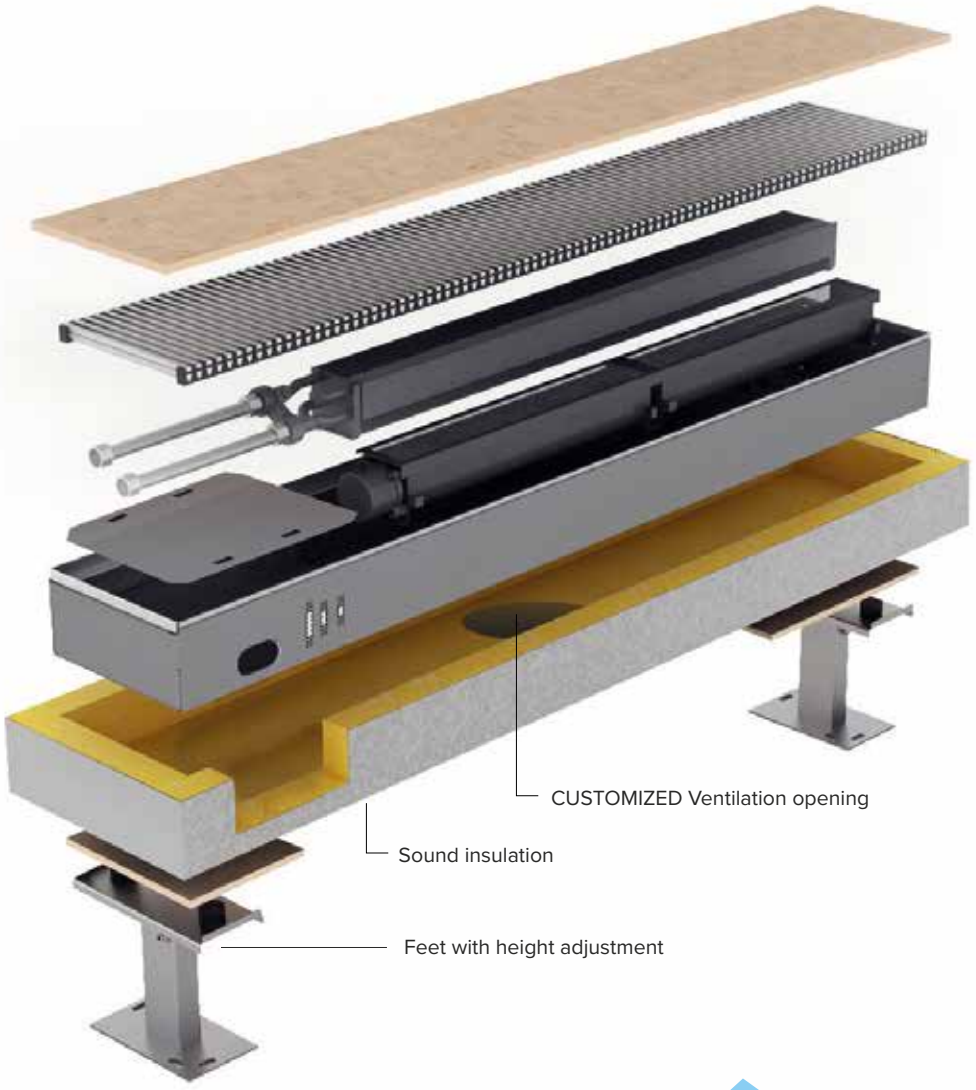
Condensing cooling
Non-condensing cooling
Ventilation
Heating

jaga PROJECT SOLUTIONS

Hassotel Hasselt Clima Canal

CLIMA CANAL TRENCH HEATING

COMPLETE CLIMATE CONTROL IN THE FLOOR



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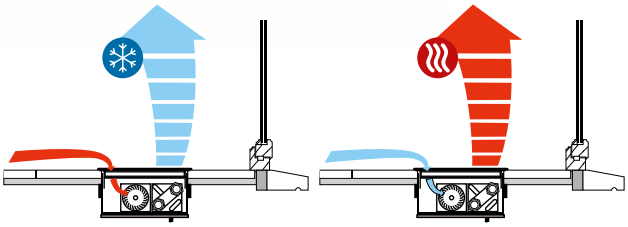
QUALITY
MADE IN BELGIUM



EXTREMELY COMPACT AND SILENT

This high-tech Low-H2O heat exchanger with its thermal activator has been specially developed to deliver record output within super-compact dimensions. All this at a very low noise level!

HEATING, COOLING AND VENTILATION

Despite it's modest size, Clima Canal is a powerful heating, cooling and ventilation unit all in one. Silent and unobtrusive, Clima Canal provides the greatest possible climatic comfort.

WITH ENERGY-EFFICIENT EC- MOTORS

By making use of the latest EC-motors, the Clima Canal units use 50 % less electrical energy. Moreover, these EC-motors can be controlled through the latest home automation systems via their 0-10 VDC speed control.

Tested by DIN EN16430 - New Norm -

TAILOR MADE
BESPOKE PRODUCT

Customization possible for every project!

jaga PROJECT SOLUTIONS

TAILOR MADE
BESPOKE PRODUCT

STANDARD RANGE

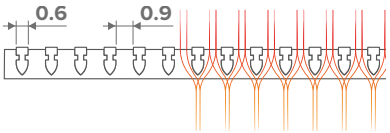
Customization possible for every project!

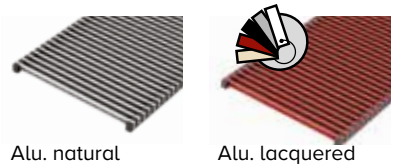
Height 19	Height 13	Height 10	Height 08
2- and 4-pipe	2- and 4-pipe	2-pipe	2-pipe

STANDARD GRIDS

Material, color, spacing and free air flow of your choice

Aluminium grilles

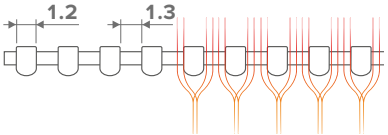


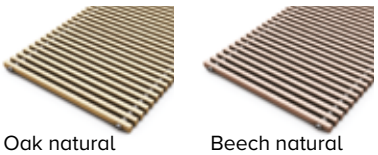


Alu. natural

Alu. lacquered

Wooden grilles

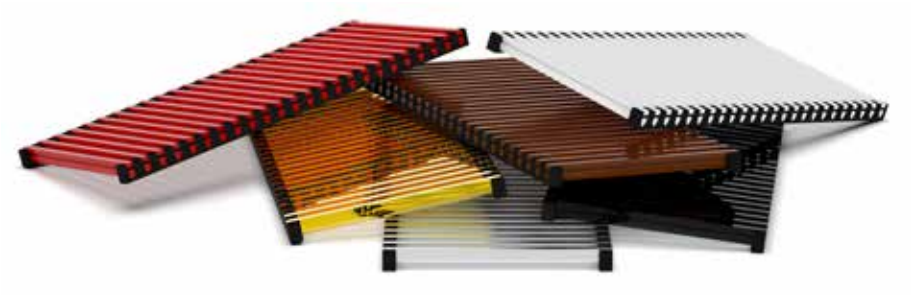




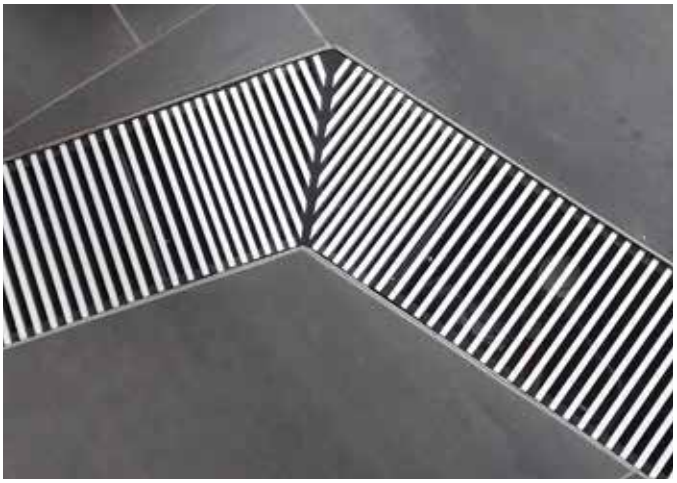
Oak natural
Oak varnished

Beech natural
Beech varnished

Choose from one of the largest collections: grilles in different models, materials and colours.



All inner and outer corners can be made to measure



CLIMA CANAL TRENCH-HEATING

PLUG & PLAY

Easy connections outside the floor channel. Ideal for raised floors.

Electrical connection on the outside

Hydraulic connection on the outside

Adjustable feet
For installation on a rough subfloor or computer floor.

Mouthpiece fort the ventilation duct
H 19 ø 8 - 10 - 12,5cm

VENTILATION

Examples

Mouthpiece fort the ventilation duct

H 13

H 08 - 010

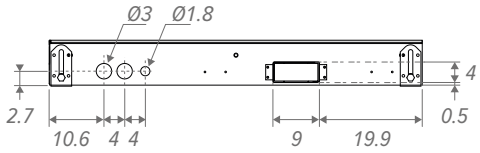
Clima Canal: Installation

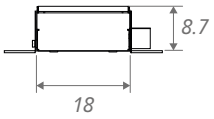
Clima Canal: Finished

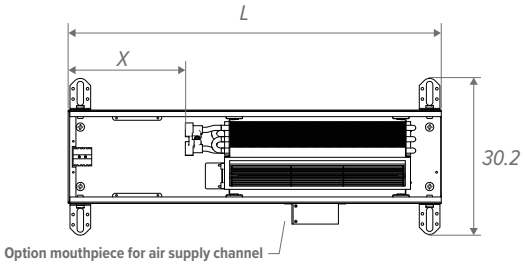
jaga PROJECT SOLUTIONS

CLIMA CANAL 08

STANDARD DIMENSIONS *(in cm)*







Building in-opening: +0.5 cm

L Standard	L Through-mounting	X
72.3	72.1	23.0
108.3	108.1	23.0
144.3	144.1	18.5
180.3	180.1	15.0

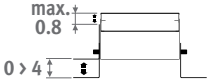
COMPOSITION

Cover plate

Grille
Several styles and colours in anodized aluminium and a range of wood finishes

Stainless steel flexible connections 1/2", 15 cm long

Fine adjustment to max. 0.8 cm, for a perfect alignment with the finished floor



Fine adjustment 8.5 > 9.3 cm

Feet with height adjustment 0 > 4.5 cm
Provided with acoustic decoupling

Dynamic heat exchanger

Thermal Activator(s) (tangential mini activator)

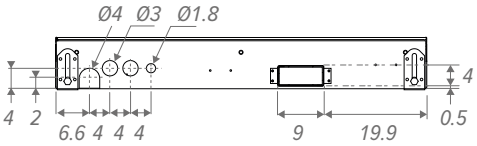
Option mouthpiece for air supply channel

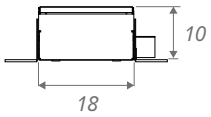
Casing with stainless steel grille support

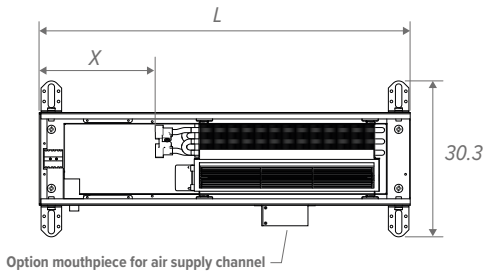
Hydraulic & electrical connection (always left hand side)

CLIMA CANAL 10

STANDARD DIMENSIONS *(in cm)*







Building in-opening: +0.5 cm

L Standard	L Through-mounting	X
72.3	72.1	23.0
108.3	108.1	23.0
144.3	144.1	18.5
180.3	180.1	15.0

Customization possible for every project!

COMPOSITION

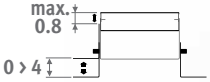
Cover plate

Grille
Several styles and colours in anodized aluminium and a range of wood finishes

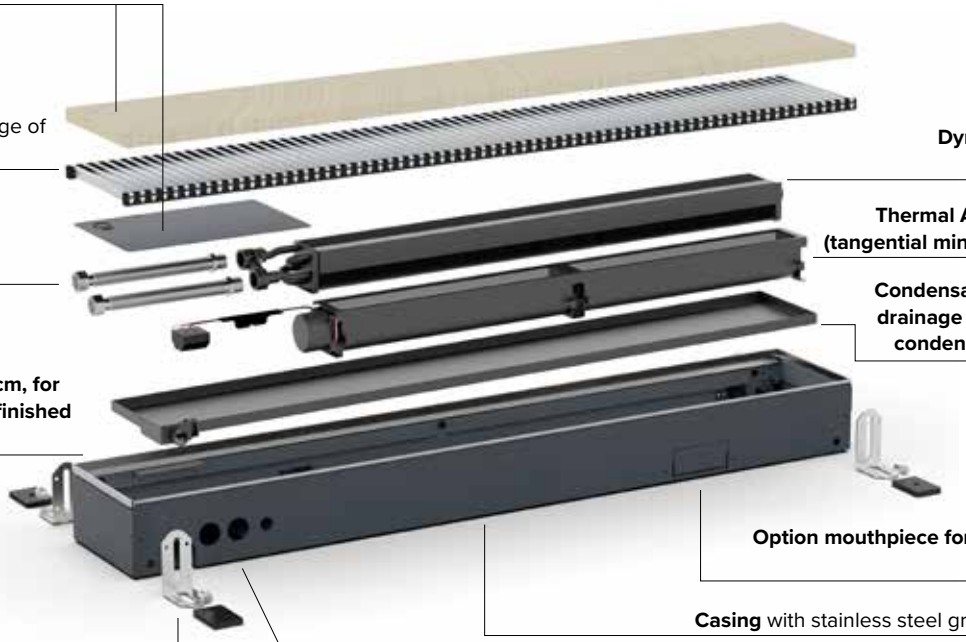
Stainless steel flexible connections 1/2", 15 cm long

Fine adjustment to max. 0.8 cm, for a perfect alignment with the finished floor

Fine adjustment 10 > 10.8 cm



Feet with height adjustment 0 > 4.5 cm
Provided with acoustic decoupling



Dynamic heat exchanger

Thermal Activator(s) (tangential mini activator)

Condensate tray, for drainage (ø 2 cm) of condensate water.

Option mouthpiece for air supply channel

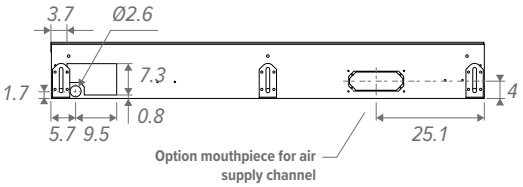
Casing with stainless steel grille support

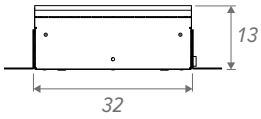
Hydraulic & electrical connection (always left hand side)

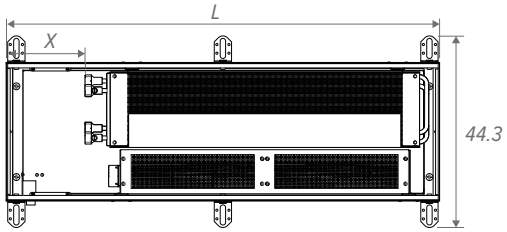
jaga PROJECT SOLUTIONS

CLIMA CANAL 13

STANDARD DIMENSIONS *(in cm)*







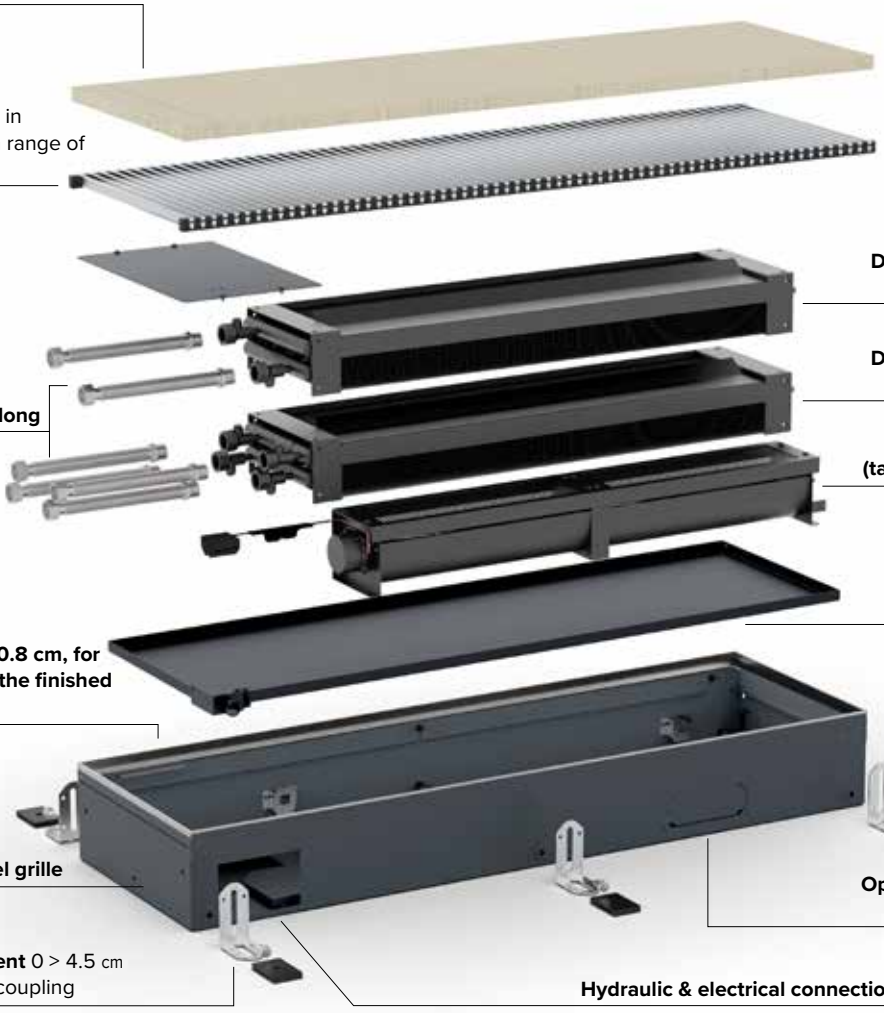
Building in-opening: +0.5 cm

L Standard	L Through-mounting	X
70.3	70.3	18.3
100.3	100.3	18.3
120.3	120.3	18.3
140.3	140.3	18.3
170.3	170.3	18.3
200.3	200.3	18.3
230.3	230.3	18.3
280.3	280.3	18.3

COMPOSITION

Cover plate

Grille
Several styles and colours in anodized aluminium and a range of wood finishes



Dynamic heat exchanger 2-pipe

Dynamic heat exchanger 4-pipe

Stainless steel flexible connections 1/2", 15 cm long

Thermal Activator(s) (tangential mini activator)

Condensate tray, for drainage (ø 2 cm) of condensate water.

Fine adjustment to max. 0.8 cm, for a perfect alignment with the finished floor

Casing with stainless steel grille support

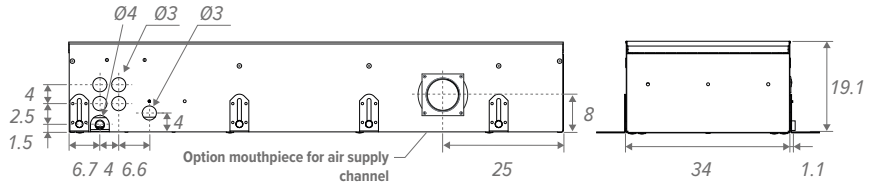
Option mouthpiece for air supply channel

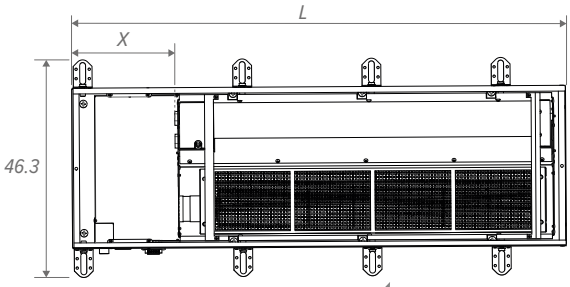
Feet with height adjustment 0 > 4.5 cm
Provided with acoustic decoupling

Hydraulic & electrical connection (always left hand side)

CLIMA CANAL 19

STANDARD DIMENSIONS *(in cm)*





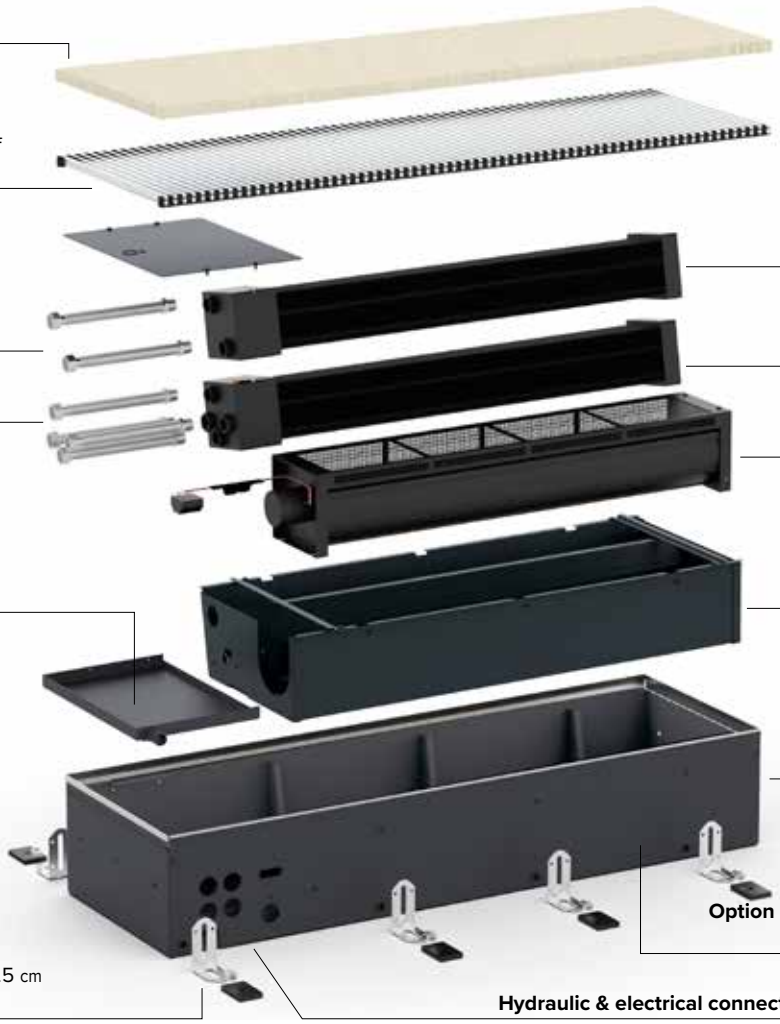
Building in-opening: +0.5 cm

L Standard	L Through-mounting	X
105.0	105.0	21.8
120.0	120.0	21.8
200.0	200.0	21.8
280.0	280.0	21.8

TAILOR MADE
BESPOKE PRODUCT

Customization possible for every project!

COMPOSITION



Cover plate

Grille
Several styles and colours in anodized aluminium and a range of wood finishes

Dynamic heat exchanger 2-pipe

Dynamic heat exchanger 4-pipe

Stainless steel flexible connections 1/2", 15 cm long

Thermal Activator(s) (tangential mini activator)

Condensate tray, for drainage (ø 2 cm) of condensate water.

Inner casing

Outer casing with stainless steel grille support

Option mouthpiece for air supply channel

Feet with height adjustment 0 > 4.5 cm
Provided with acoustic decoupling

Hydraulic & electrical connection (always left hand side)

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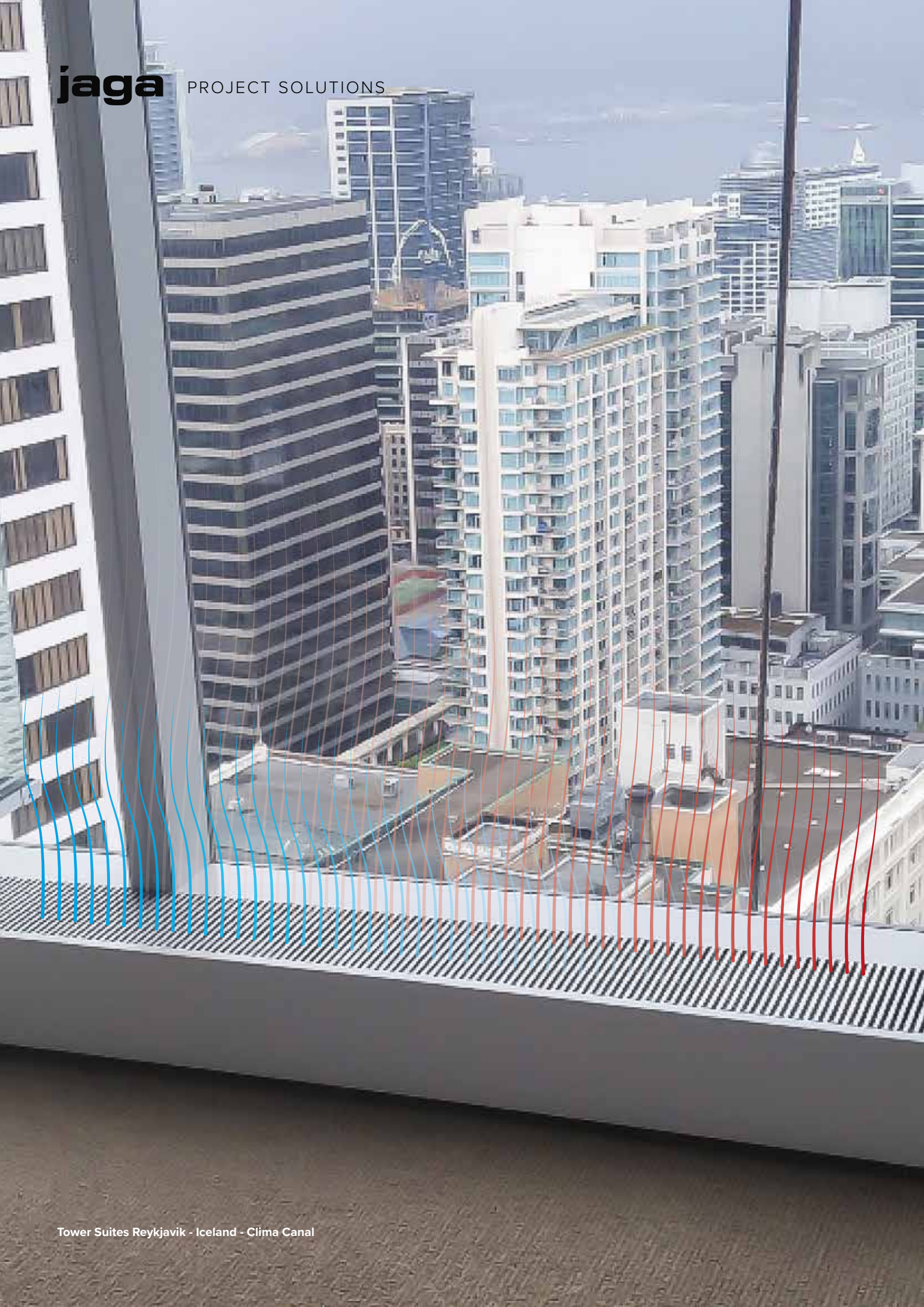


Tower Suites Reykjavik - Iceland - Clima Canal

CLIMA CANAL FLOOR MOUNTED

COMPLETE CLIMATE CONTROL IN A SOCKET

jaga QUALITY MADE IN BELGIUM

Jaga Clima Canal not only fits in the floor but can be installed in various ways. The numerous installation options ensure architectural freedom. Matching custom grilles are available in every color and size. Air inlet and outlet via the top grille. With the same powerful outputs as the Clima Canal that is built into the floor.

Tested by DIN EN16430 - New Norm -

TAILOR MADE BESPOKE PRODUCT

Customization possible for every project!

Tower Suites Reykjavik - Iceland - Clima Canal

jaga PROJECT SOLUTIONS

CLIMA SLIM WITH DESIGNER CASING

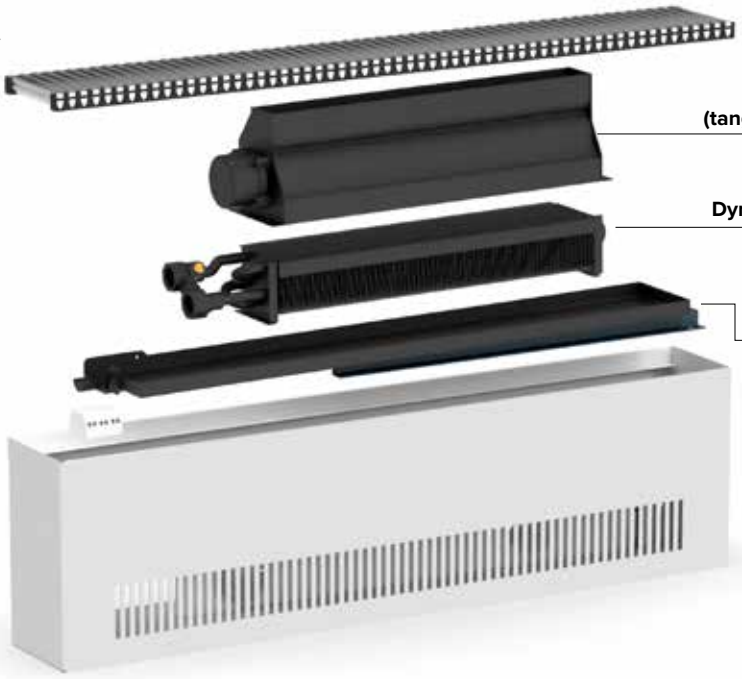
COMPLETE CLIMATE CONTROL IN A SLIM DESIGNER CASING.

jaga QUALITY MADE IN BELGIUM

Jaga Clima Canal not only fits in the floor but can be installed in various ways. Also in a slim, sleek and sturdy casing, possibly from wall to wall. The numerous installation options ensure architectural freedom. Matching custom grilles are available in every color and size.

COMPOSITION

Grille
Several styles and colours in anodized aluminium and a range of wood finishes



Thermal Activator(s) (tangential mini activator)

Dynamic heat exchanger

Condensate tray, for drainage (ø 2 cm) of condensate water.

Casing
Laquered casing in sendzimir galvanized steel plate

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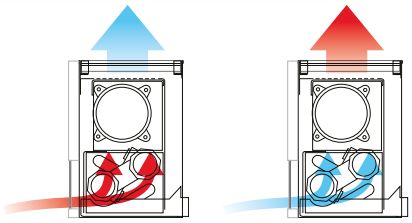
TAILOR MADE BESPOKE PRODUCT



Customization possible for every project!

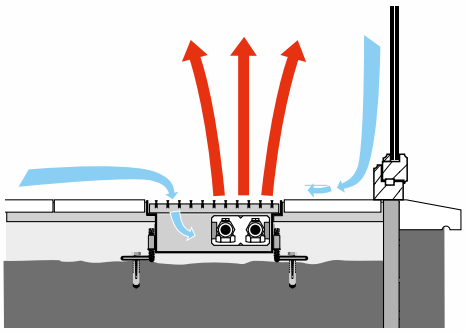
jaga PROJECT SOLUTIONS

MINI CANAL PRO

LOW-H2O HEAT IN A COMPACT FLOOR SOLUTION

jaga QUALITY MADE IN BELGIUM

For large window areas in living spaces and winter gardens, but also for shop windows and offices. With a height of only 9 cm or more, Mini Canal Pro is even suitable for buildings with multiple floors and floating floors. Hidden under the grille is a super-fast Low-H2O element. The entire interior is “invisible” because of the dark grey lacquer. The last thing that stands out is the passable cover grille, which can be adjusted to the interior.



TAILOR MADE
BESPOKE PRODUCT

Customization possible for every project!

jaga PROJECT SOLUTIONS

TAILOR MADE
BESPOKE PRODUCT

Customization possible for every project!

STANDARD GRIDS

Material, color, spacing and free air flow of your choice

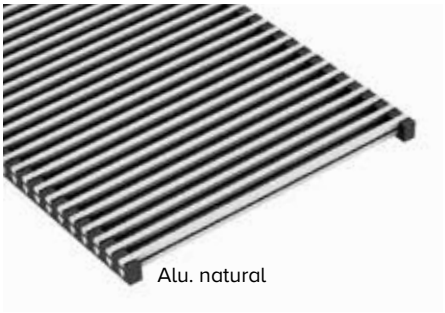
Wooden grilles

Oak natural
Oak varnished

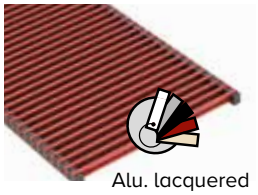
Beech natural
Beech varnished

Merbau natural
Merbau varnished

Aluminium grilles



Alu. natural



Alu. lacquered

Aluminium grilles
Roll-up
Alu. natural

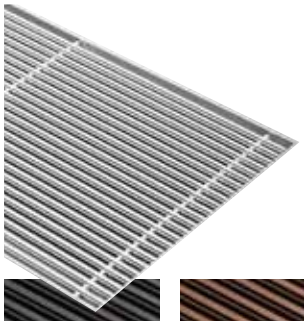
Black

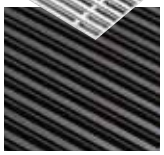
Dark brown

Brass coloured

Stainless steel

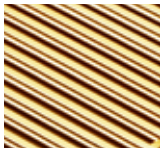
Aluminium grilles
Designo
Alu. natural





Black

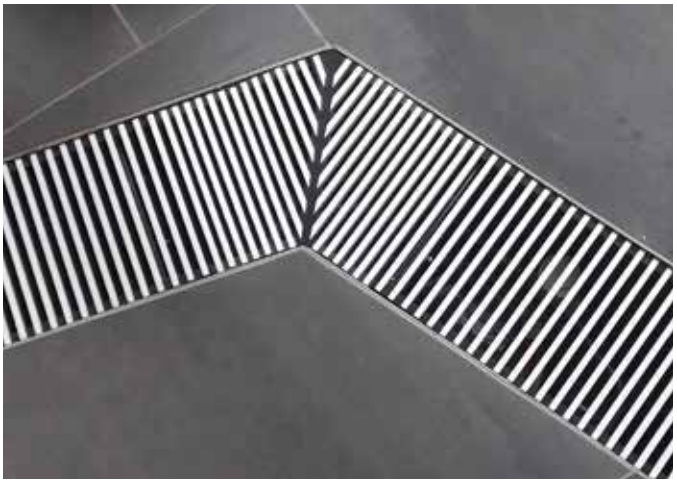
Dark brown



Brass coloured

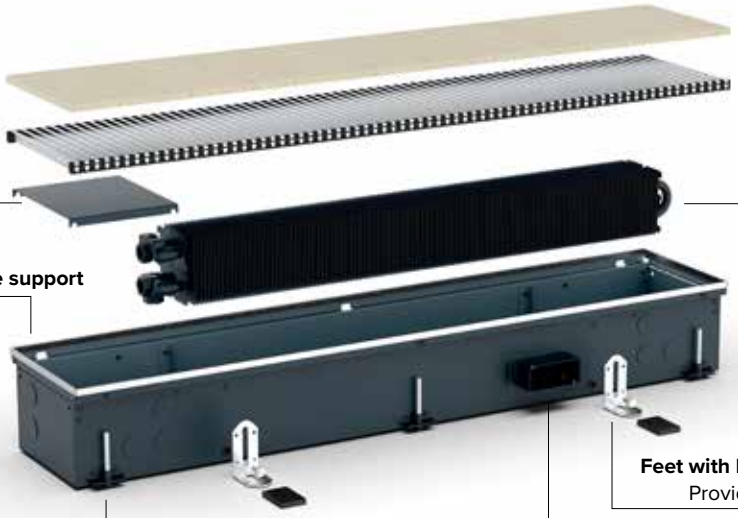
Alu. lacquered

All inner and outer corners can be made to measure



MINI CANAL PRO

COMPOSITION



Grille
Several styles and colours in anodized aluminium and a range of wood finishes

Cover plate

Casing with stainless steel grille support

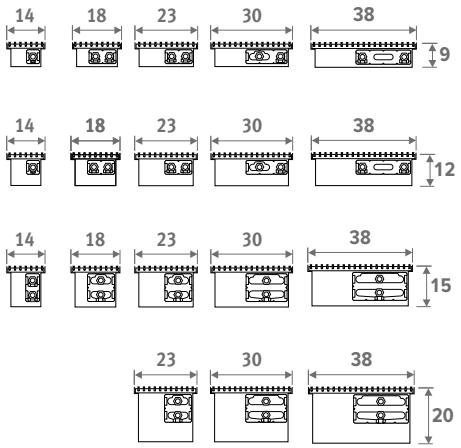
Height adjustment

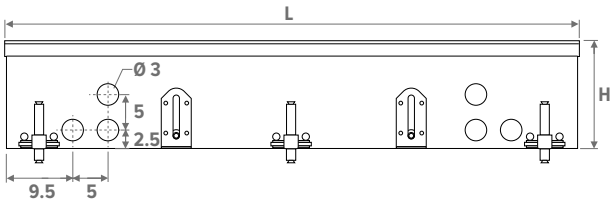
Low-H2O heat exchanger

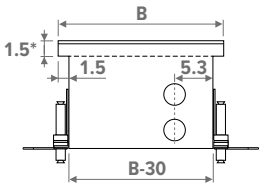
Feet with height adjustment 0 > 4.5 cm
Provided with acoustic decoupling

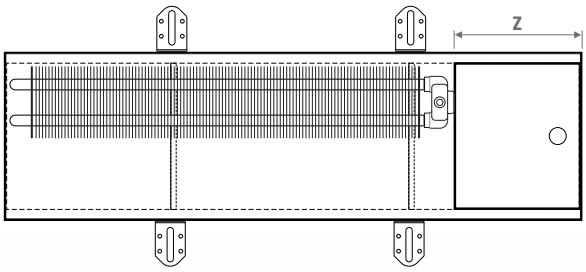
Option mouthpiece for air supply channel

STANDARD DIMENSIONS *(in cm)*









L = Length (cm):
110 - 130 - 150 - 170 - 190
210 - 230 - 250 - 270 - 290
310 - 330 - 370
410 - 450 - 490

Customization possible for every project!

VENTILATION

Integration of ventilation possible.
Option mouthpiece for air supply channel

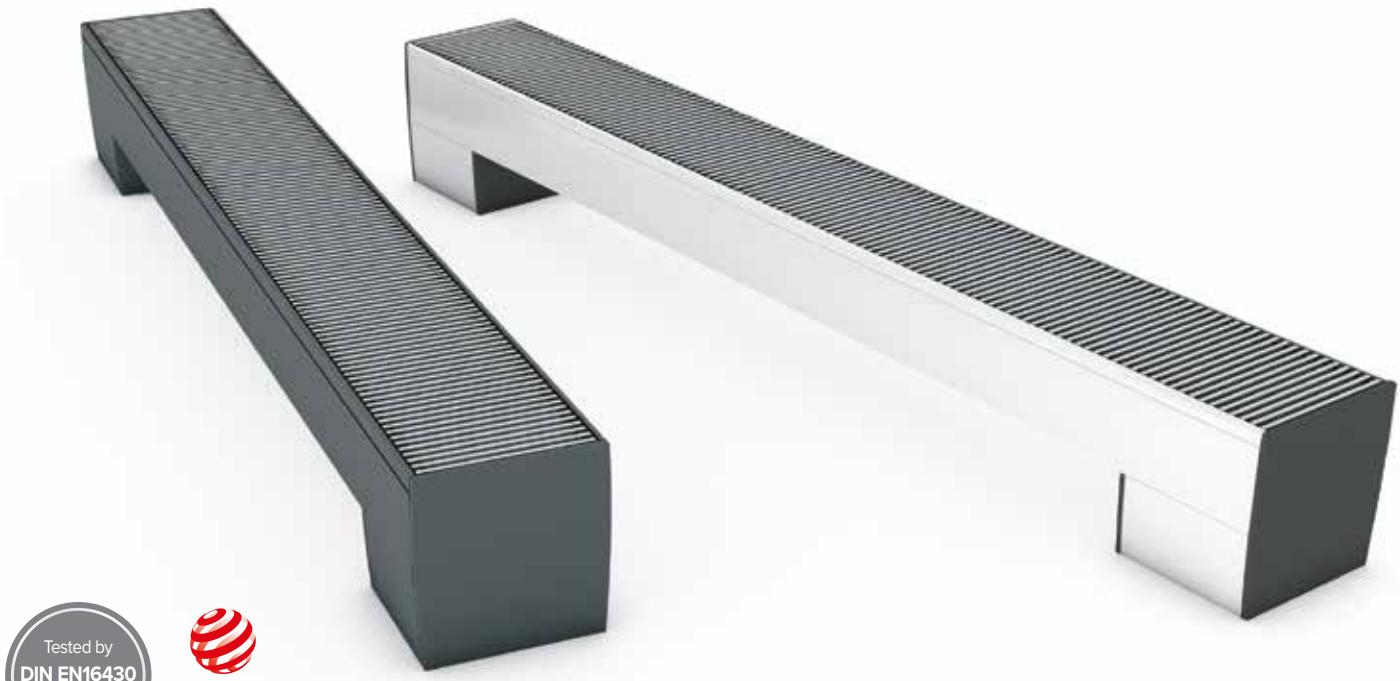
jaga PROJECT SOLUTIONS

FREEDOM CLIMA

A PERFECT COMBINATION OF DESIGN AND TECHNOLOGY

jaga QUALITY MADE IN BELGIUM

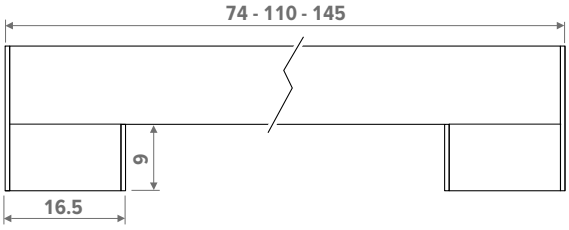
The casing shell is based on a gently curved, double-skin aluminium profile, resulting in an extremely strong radiator with a stylish and unique design. Elegant aluminium or stainless steel grilles complete the refined finish. Freedom represents the pinnacle of energy-efficiency, sustainability and beautiful design!

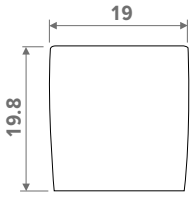


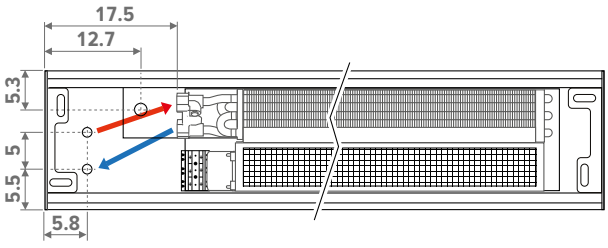
Tested by DIN EN16430 - New Norm -

reddot award product design

STANDARD DIMENSIONS *(in cm)*







jaga PROJECT SOLUTIONS

CLIMA BEAM

BUILT-IN OR CEILING-MOUNTED

jaga QUALITY MADE IN BELGIUM

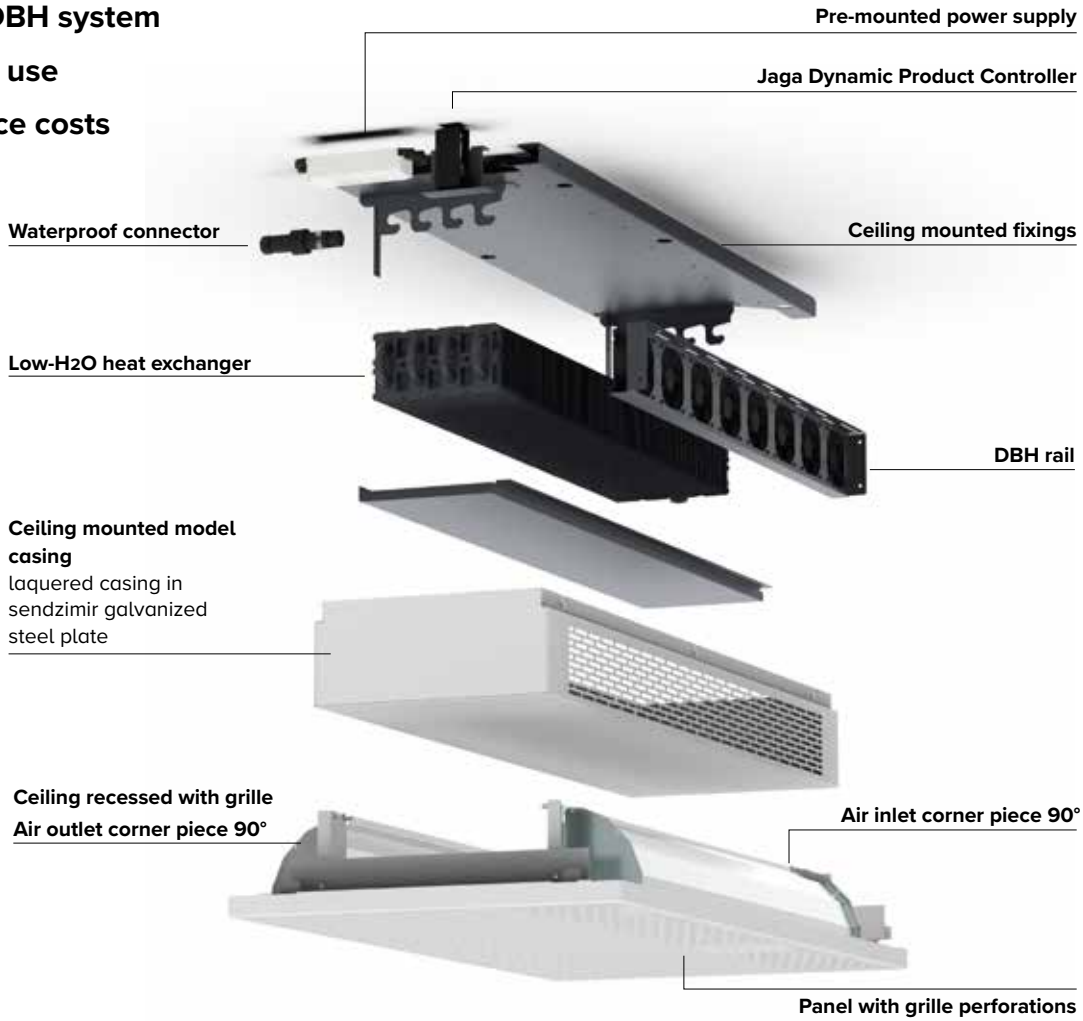
The Clima Beam cools physically in the most ideal way. The hot rising air is drawn in by the DBH activators and cooled by the Low-H_2O heat exchanger. The cooled air comes down slowly and evenly into the room. Because of the “dry cooling”, there are no energy losses due to condensation. Also suitable for heating at low water temperatures.

Built-in ceiling **Ceiling recessed with grille** **Ceiling mounted model**

- **Easy installation**
- **Heating and light cooling**
- **Whisper-quiet DBH system**
- **Efficient energy use**
- **Low maintenance costs**

Tested by **DIN EN16430** - New Norm -

COMPOSITION



Clima Beam Vertical.

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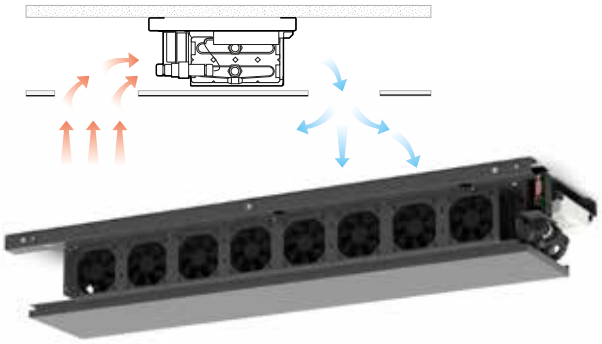
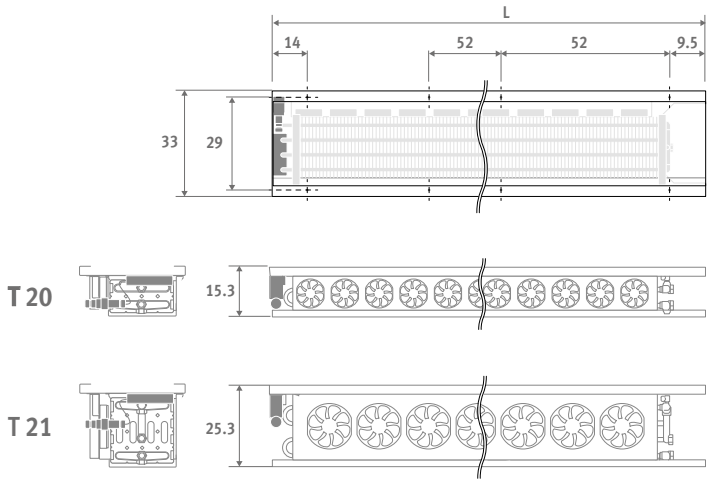
BUILT-IN-CEILING

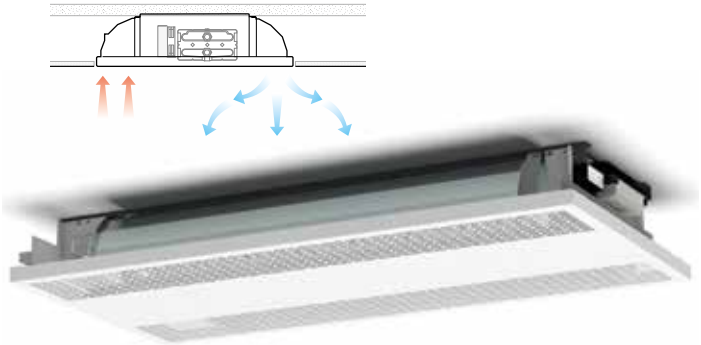


STANDARD DIMENSIONS *(in cm)*

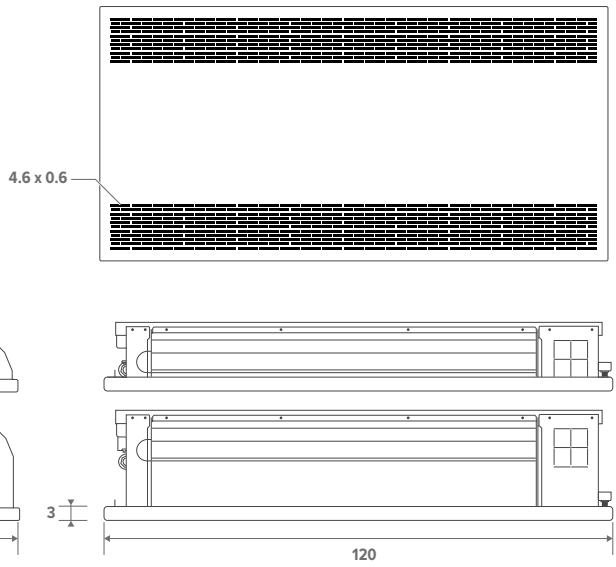


L = Length (cm):
120 - 150 - 170 - 190 -210 - 230 - 250 - 290

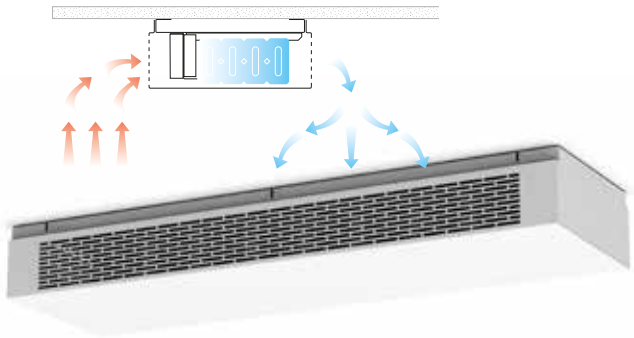
CEILING RECESSED WITH GRILLE



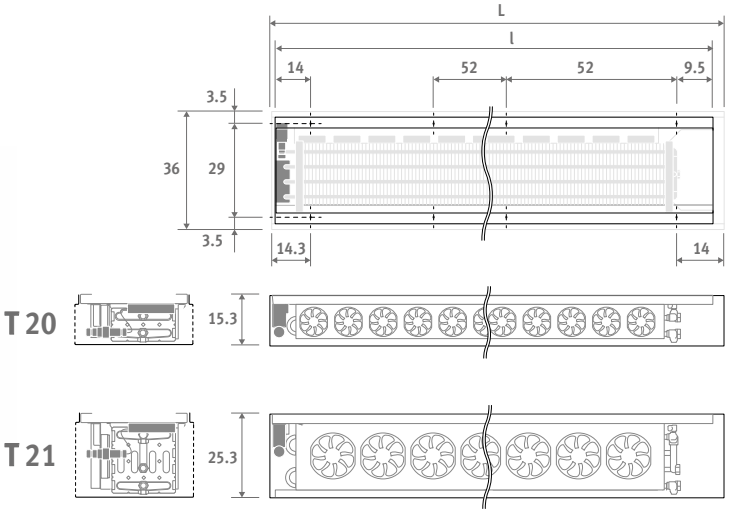
STANDARD DIMENSIONS *(in cm)*



CEILING MOUNTED MODEL



STANDARD DIMENSIONS *(in cm)*



L = Length (cm):
120 - 150 - 170 - 190 -210 - 230 - 250 - 290
l = Length (cm):
115 - 145 - 165 - 185 -205 - 225 - 245 - 285

CLIMA BEAM

jaga PROJECT SOLUTIONS

BRIZA

ULTRA-SLENDER AND SUPER-STRONG

jaga QUALITY MADE IN BELGIUM

Briza is a climate unit with a dual personality: heat in winter and refreshing coolness in summer. It provides you with the perfect indoor climate throughout the year. The secret behind the Briza comfort system is the combination of our Low-H_2O technique and a very quiet dynamic system, but dynamic system. When connected to a heat pump or chiller, the Briza provides energy-efficient cooling. Briza is the slimmest model on the market with such a high output, and is also available in a wall-mounted model.

Briza 12 **casing**

Briza 22 **casing**

Custom project: Briza floor solution

GREEN TECH

jaga PROJECT SOLUTIONS

jaga QUALITY MADE IN BELGIUM

INSTALLATION IN A WALL RECESS

BUILT-IN CEILING

Tested by DIN EN16430 - New Norm -

Hydraulic connection
2-pipe 3/4”
4-pipe 3/4”

Sturdy casing manufactured from electro-galvanised steel

Heat exchanger with hydrophilic coating for optimum cooling performance

Metal condensate tray with epoxy-polyester coating

Tangential fans

Electrical connection

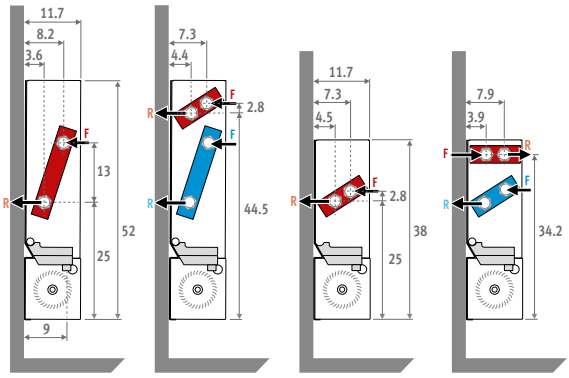
EC motor 230 VAC 0-10V

Stainless steel air filter

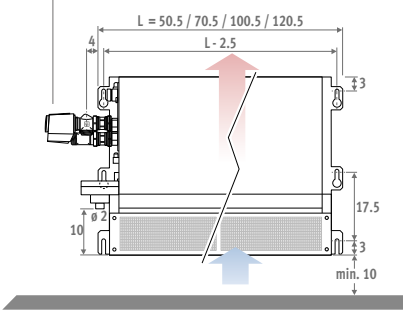
Mounting of the fan blade using dust/oil-free ball bearings

DIMENSIONS *(in cm)*

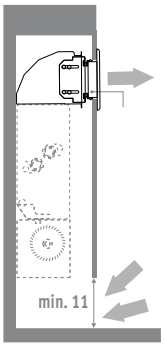
H 52 / 2-pipe **H 52 / 4-pipe** **H 38 / 2-pipe** **H 38 / 4-pipe**



Option connection set for 2-pipe or 4-pipe

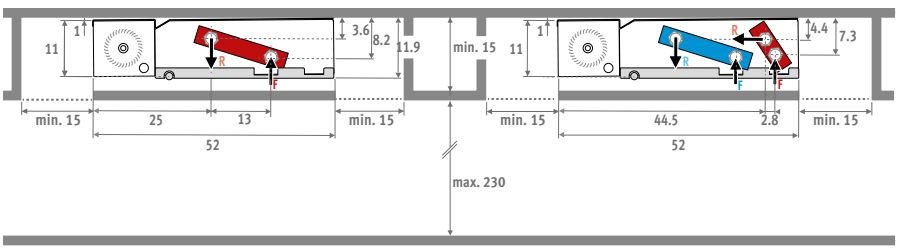


Built-in model with air outlet corner piece

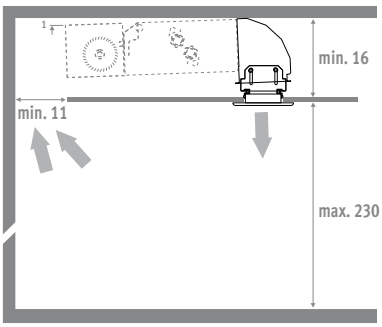


BUILT-IN CEILING *(in cm)*

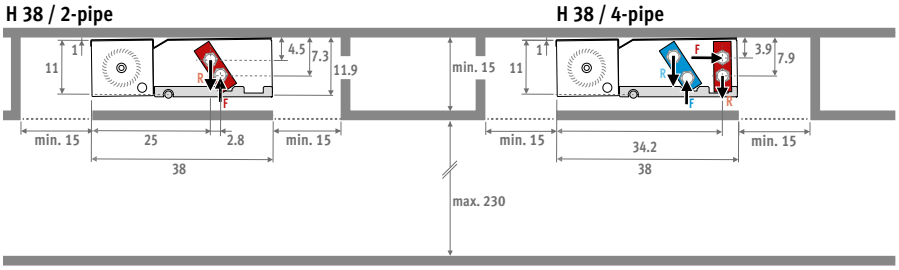
H 52 / 2-pipe **H 52 / 4-pipe**



Built-in model with air outlet corner piece

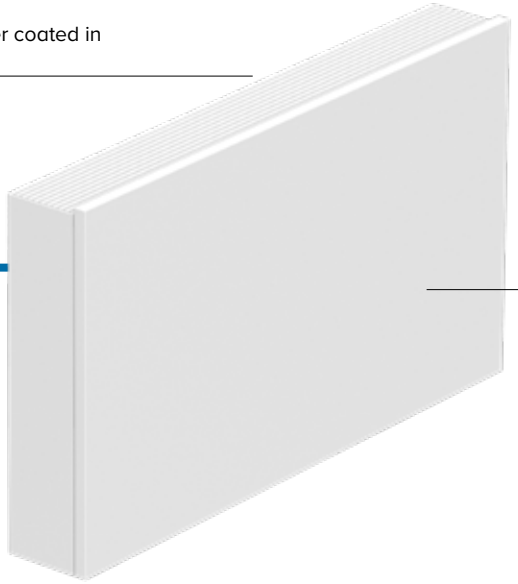


H 38 / 2-pipe **H 38 / 4-pipe**



WALL MOUNTED MODEL

Aluminium top grille, powder coated in the same colour as the unit



NEW

Briza Plug & Play

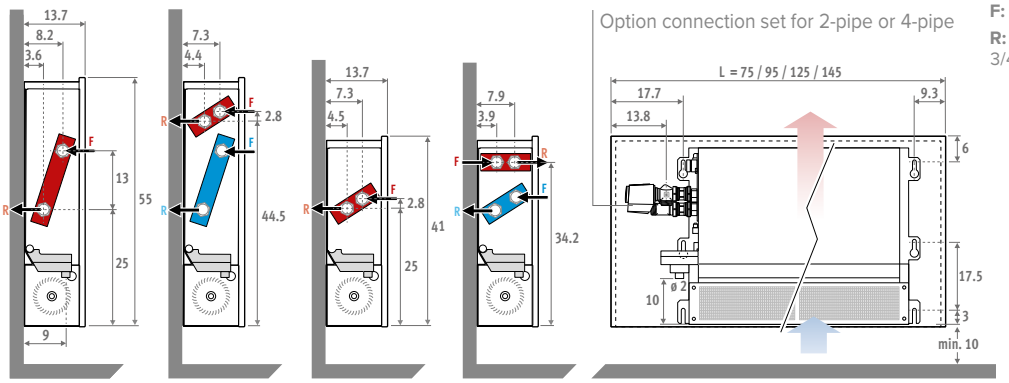
CEILING MOUNTED MODEL

Laquered casing in sendzimir galvanized steel plate
Standard colours:
- traffic white RAL 9016 (133), soft touch lightly structured satin powder coating
- sandblast grey (001), fine texture metallic powder coating

Other colours: see colour chart

DIMENSIONS *(in cm)*

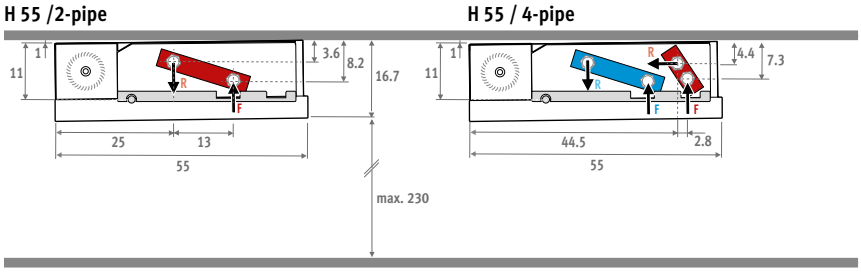
H 55 / 2-pipe **H 55 / 4-pipe** **H 41 / 2-pipe** **H 41 / 4-pipe**

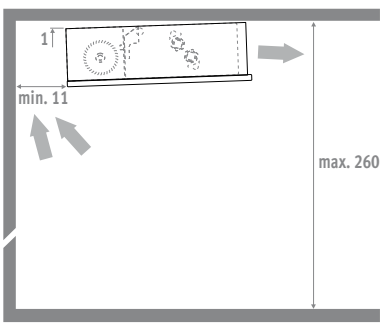


F: Supply
R: Return
3/4" Eurocone

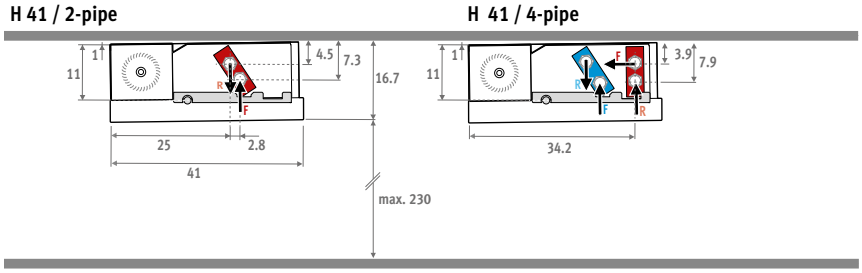
CEILING MOUNTED MODEL *(in cm)*

H 55 /2-pipe **H 55 / 4-pipe**





H 41 / 2-pipe **H 41 / 4-pipe**



INSTALLATION IN A WALL RECESS

Tested by DIN EN1397 - New Norm -

Heat exchanger with hydrophilic coating for optimum cooling performance

Hydraulic connection
2-pipe G3/4”
4-pipe G1/2”

Sturdy casing manufactured from electro-galvanised steel

Metal condensate tray with epoxy-polyester coating

Centrifugal fan(s) with twin inlet

Electrical connection

Filter Class G2

Mounting of the fan blade using dust/oil-free ball bearings

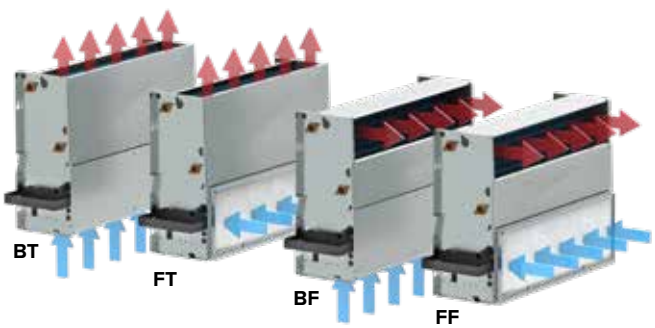
Greentech EC motor 230 VAC 0-10V

EASY INSTALLATION

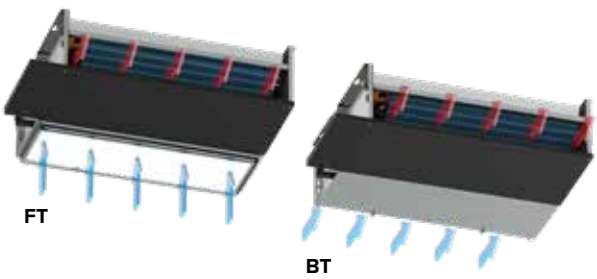
The units are light and compact. In order to facilitate the installation, the construction is done with an eye for detail.Despite its small dimensions, there is sufficient space for connecting and installing additional components.

GREENTECH EC-MOTORS

EC motors reduce operating costs, reduce the impact on the environment and impress with their quiet operation. Due to the higher efficiency of the EC motors, the energy onsumption is directly linked to the rotation speed and thus the flow rate of the fan. The actual power consumption is determined by the (variable) speed.



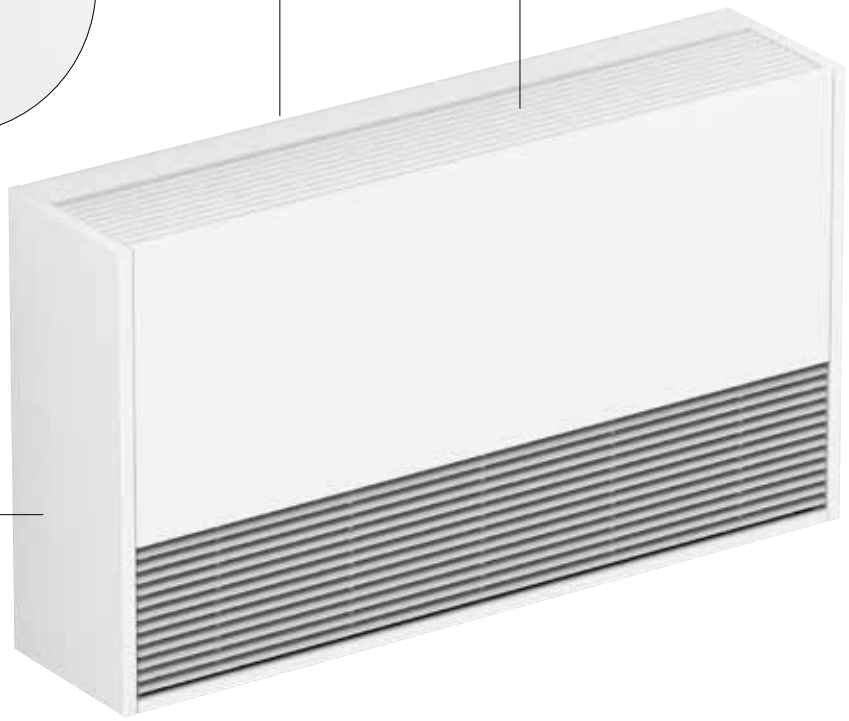
BUILT-IN CEILING



WALL MOUNTED MODEL

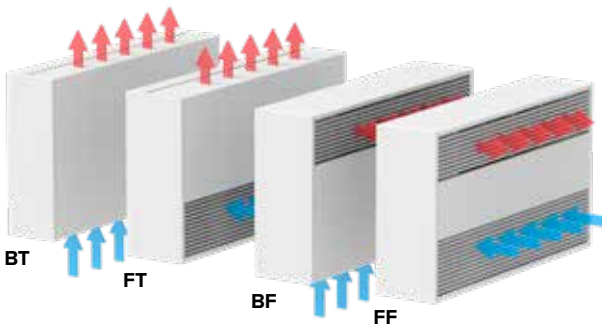
Back panel to aesthetically seal off the space between the radiator and the wall
Prepainted in dark gray RAL 7024

Aluminium top grille, powder coated in the same colour as the unit

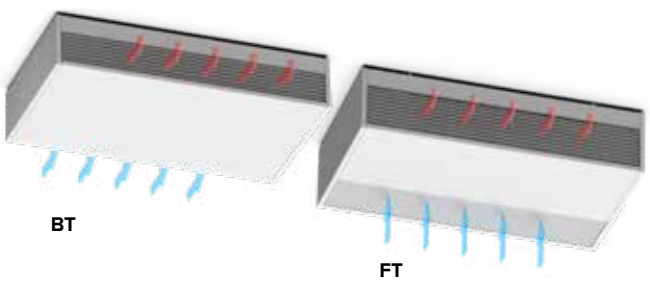


Laquered casing in sendzimir galvanized steel plate
Standard colours:
- traffic white RAL 9016 (133), soft touch lightly structured satin powder coating
- sandblast grey (001), fine texture metallic powder coating

Other colours: see colour chart



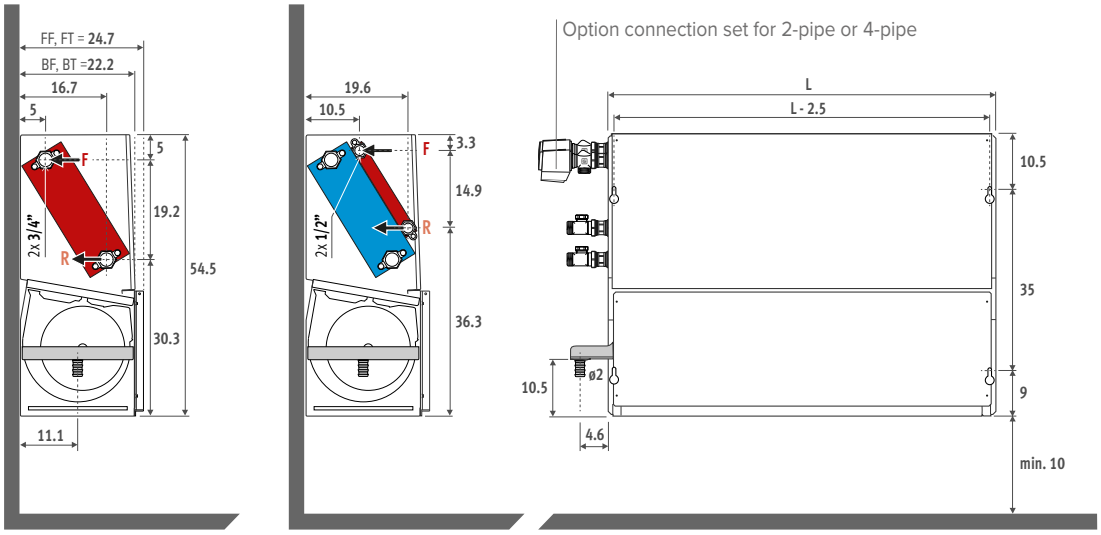
CEILING MOUNTED MODEL



INSTALLATION IN A WALL RECESS

DIMENSIONS *(in cm)*

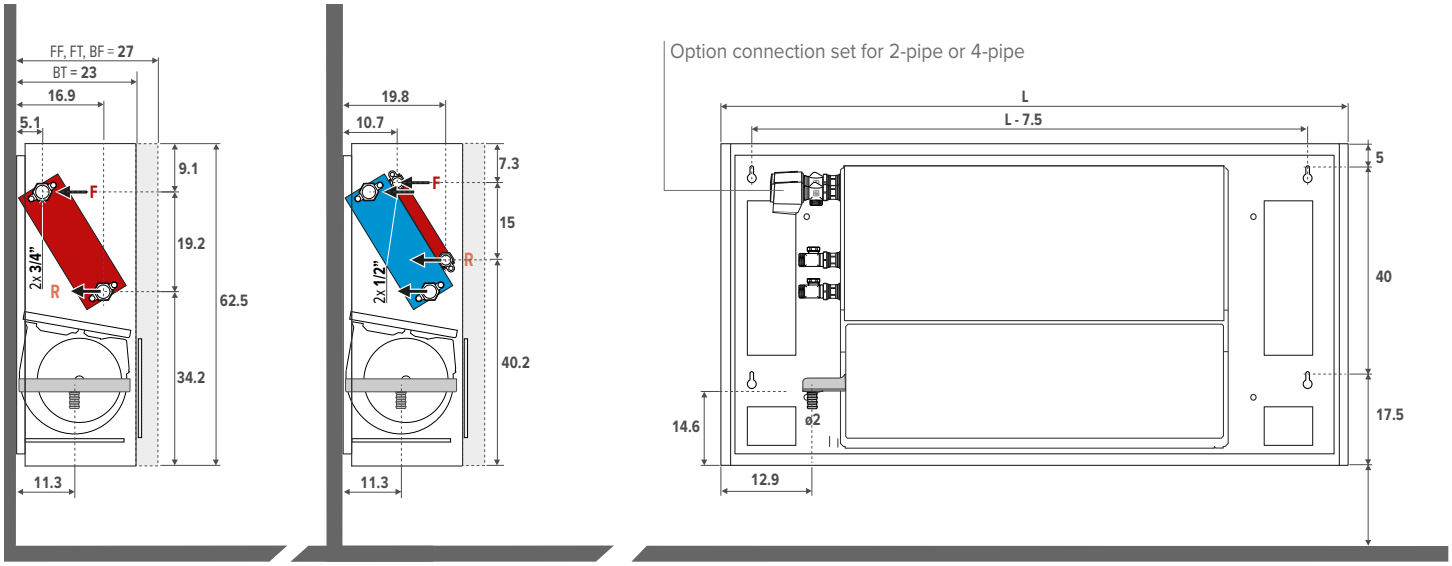
2-PIPE **4-PIPE**



WALL MOUNTED MODEL

DIMENSIONS *(in cm)*

2-PIPE **4-PIPE**



APPLICATIONS

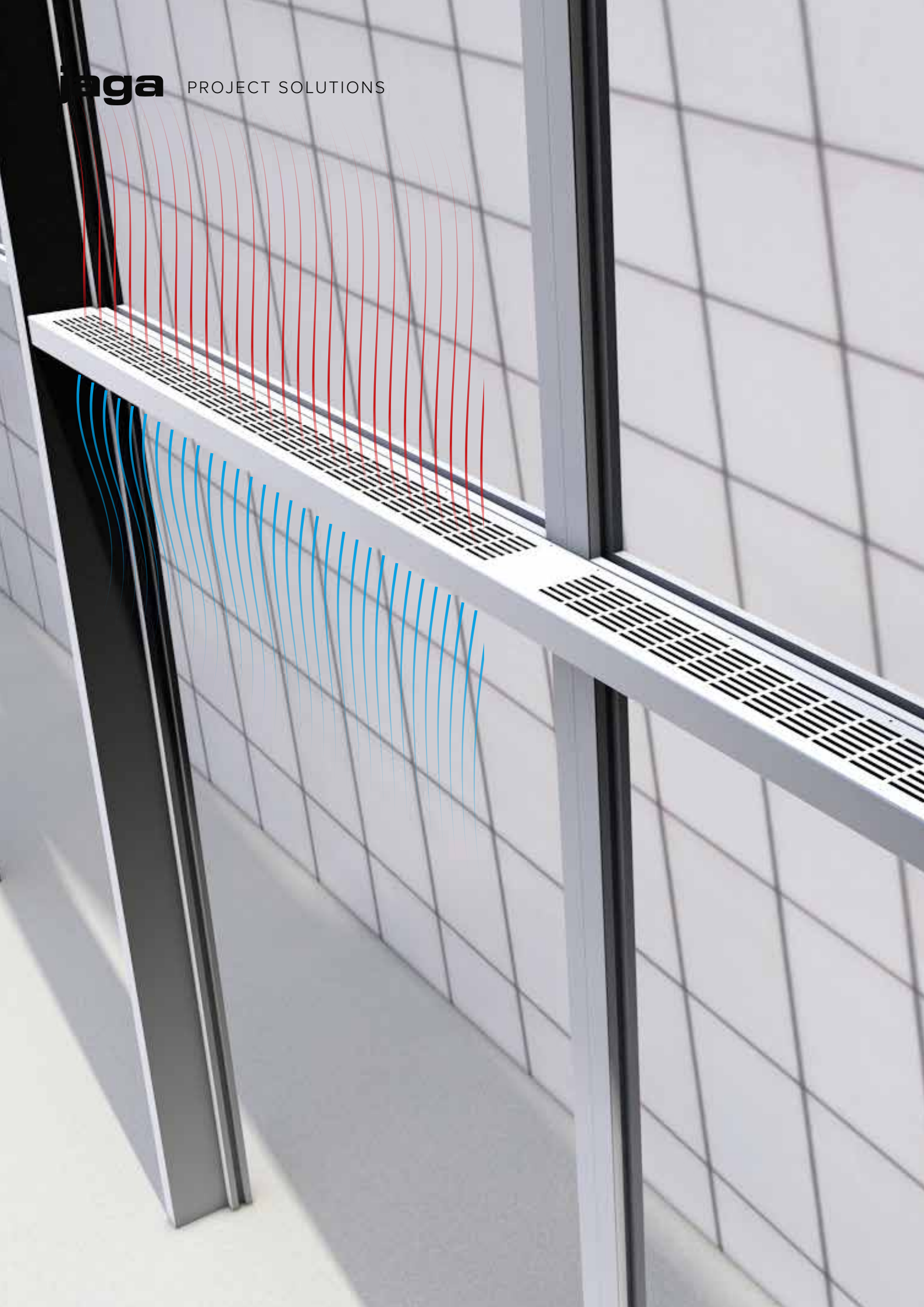
Built-in ceiling **Installation**

Briza floor solution **Installation**

Finished

Installation in a wall recess **Installation**

Finished

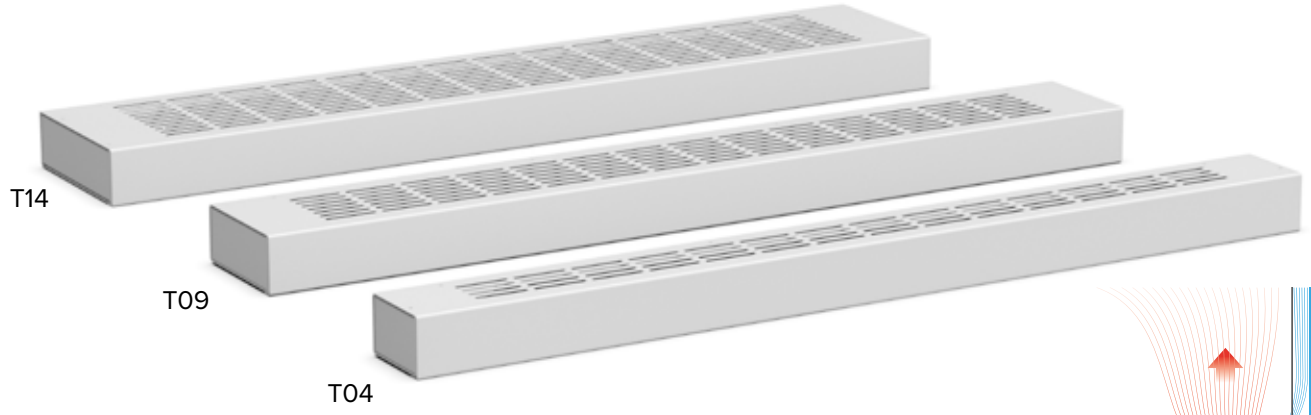


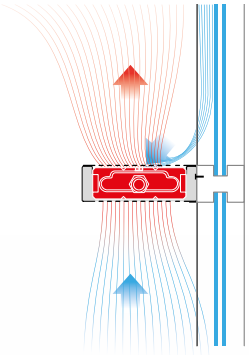
OKNO

FOR GLASS FACADES AND PANORAMIC WINDOWS

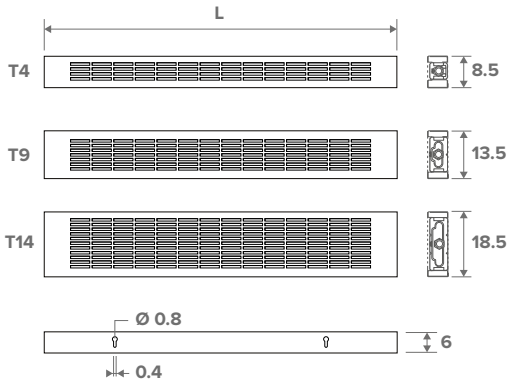
jaga QUALITY MADE IN BELGIUM

The cold air that comes down the window glass is interrupted by the heat flow from the OKNO unit's heat exchanger. The installation of an artificial air curtain or other artificial solutions can thus be avoided. Ideally, the OKNO heating unit is integrated in a glass section. The heating unit heats the rising air flow without also heating up the glass.



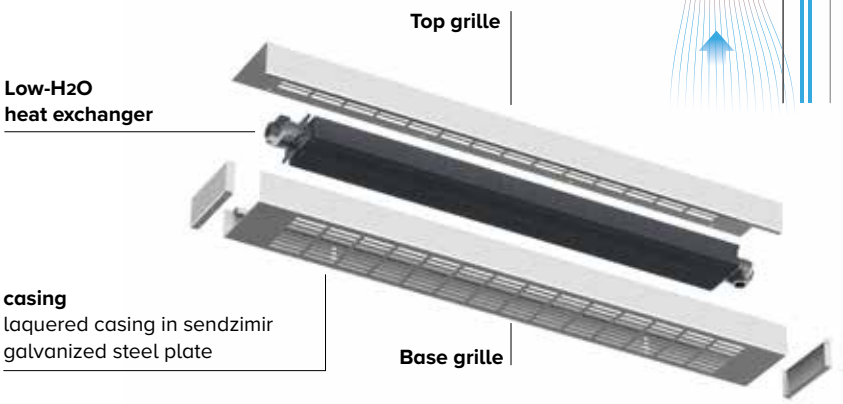


STANDARD DIMENSIONS *(in cm)*



L = Length (cm):
60 - 70 - 80 - 90 - 100 - 110 - 120
140 - 160 - 180 - 200 - 220 - 240

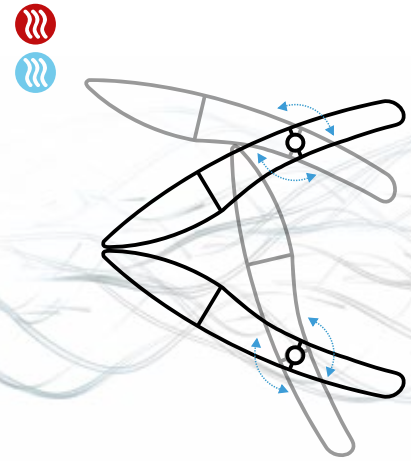
COMPOSITION



jaga PROJECT SOLUTIONS

AVS UNIT HEATER

AIR VENTURI SYSTEM INCLUDED



jaga QUALITY MADE IN BELGIUM

GREEN TECH

The Jaga unit heater is the master of air flow, even in the biggest of spaces. Its secret weapon? The Air Venturi System, which efficiently blends heated air with the ambient air. The result: faster heating, better temperature distribution, lower energy consumption. Talk about great results!

COMPOSITION

Aerodynamic exhaust made of satin black lacquered aluminium

Laquered casing in sendzimir galvanized steel plate

Plastic HyBlade® fan

Greentech EC-motors

GREEN TECH

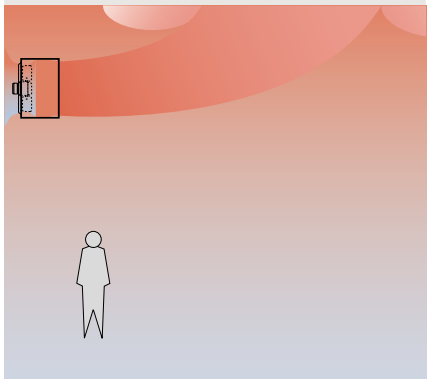
Low-H2O heat exchanger

WHY AVS®?

Higher air flow, lower exhaust temperature or additional fans can soften up the problem, but result in a considerable increase in cost or more noise. The main problem with unit heaters in general is the heat accumulation at the roof or ceiling level especially in high level roof spaces. The temperature difference between the floor and the ceiling increases is in proportion to the exhaust temperature of the unit heater. The higher the exhaust temperature the faster the heated air rises, pushing the cooler down to floor level. Consequently more energy will be required to heat up the floor area in order to create a comfortable temperature.

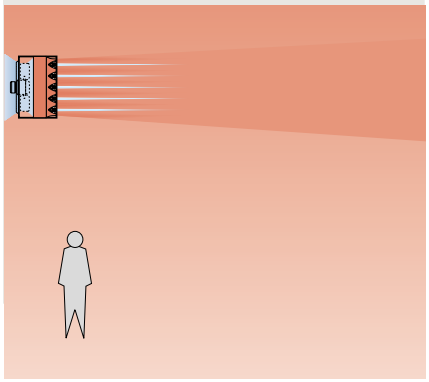
STANDARD UNIT HEATERS

Due to the higher air exhaust temperature the hot air will rise too quickly and the cooler air will consequently be pushed downwards.



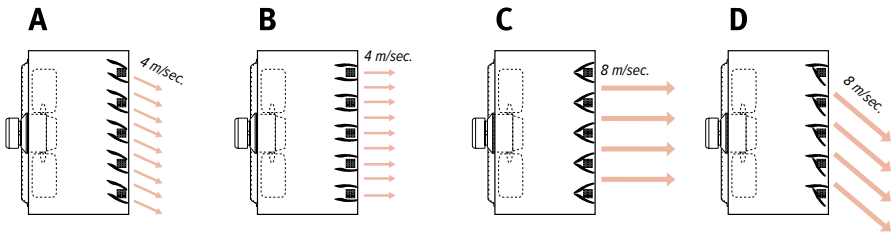
THE JAGA SOLUTION: AIR VENTURI SYSTEM

With the Air Venturi System the air exhaust temperature is lower, which greatly reduces the up-draught giving you an even temperature, faster heating up and better energy efficiency.

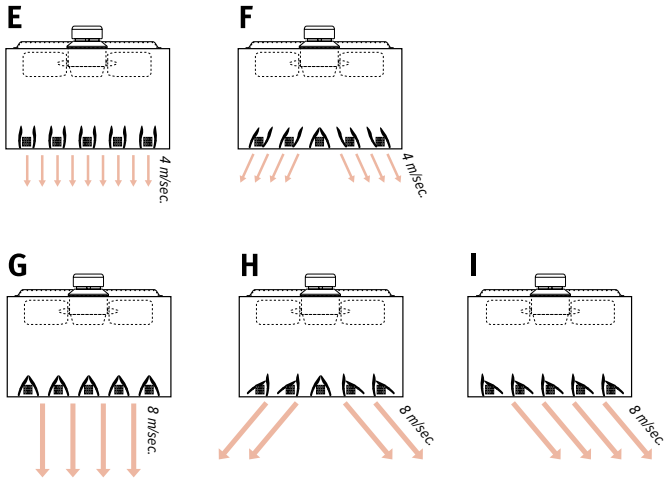


jaga PROJECT SOLUTIONS

SETTINGS
WALL MOUNTING



Ceiling mounting



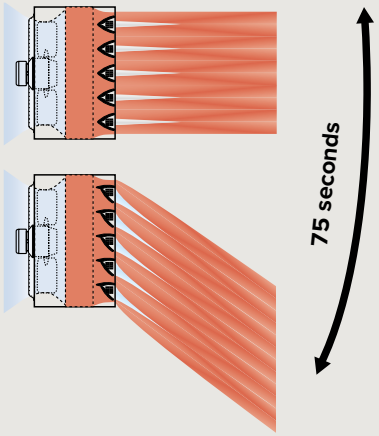
THE MODULATING AVS® VERSION

With the modulating AVS® version the exhaust louvres are linked in pairs and connected to a servo motor. This motor produces a continuous back and forth movement of the adjustable louvres.This creates turbulence and created provides an even better temperature distribution. The angle of movement can easily be adjusted from 0 to 90°. A complete cycle takes around 150 seconds.

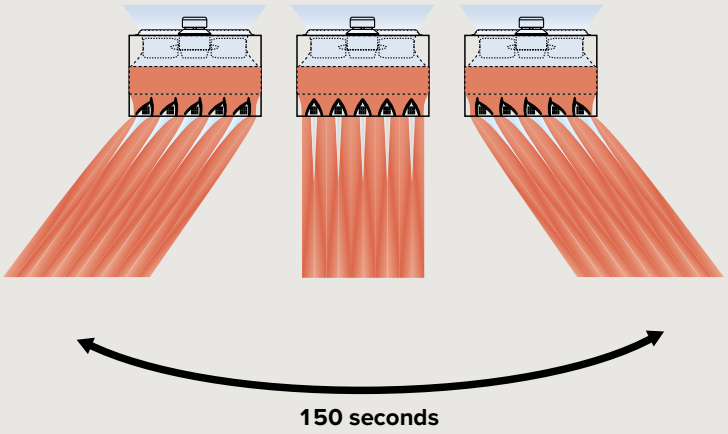
The modulating operation is integrated into the equipment and therefore cannot be delivered as an accessory.

Mini unit heater (code 021 and 031) are not available as a modulating version.

Wall mounting: position 45°

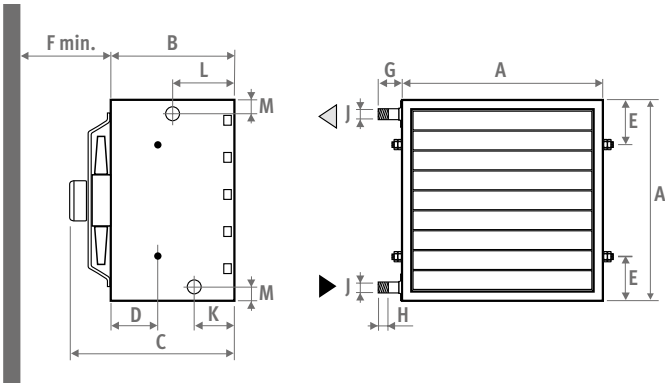


Ceiling mounting: position 90°



AVS UNIT HEATER

DIMENSIONS *(in cm)*



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A	41	41	53	53	65	65	77	77	89	89
B	40	40	40	40	40	40	40	40	40	40
C	43	43	48	48	49.8	49.8	57.2	57.2	55.1	55.1
D	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
E	10.5	10.5	11.5	11.5	12.5	12.5	13.5	13.5	14.5	14.5
F	30	30	35	35	45	45	56	56	65	65
G	4.8	4.8	4.8	4.8	4.8	4.8	5.1	5.1	5.1	5.1
H	2.2	2.2	2.2	2.2	2.2	2.2	2.5	2.5	2.5	2.5
ø J	G3/4”	G3/4”	G1”	G1”	G1”	G1”	G6/4”	G6/4”	G6/4”	G6/4”
K	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
L	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
M	4.5	4.5	4.5	4.5	4.5	4.5	5.2	5.2	5.2	5.2
kg	20	22	30	32	43	46	56	59	71	75

OPTIONS


jaga


TIMELESS DESIGN SINCE 1962

LINEA PLUS
1989

IGUANA CIRCO
1998

KNOCKONWOOD FREESTANDING DBE
2004

HEATWAVE
2007

Jaga radiators not only warm your home, they also warm your heart.

PLAY
2009

VERTIGA KIREI
2011

FREEDOM
2014

BRIZA 8
coming soon

EUROPEAN DESIGN AWARD - LINEA PLUS
1990

TROPHÉE DU DESIGN PARIS - GEO
1997

ISH-DESIGN AWARD - IGUANA
1999

IF-DESIGN AWARD - KNOCKONWOOD & STRADA
2003

VIZO - TRIËNNALE - IGUANA & GEO
2001

LEEUW VAN DE EXPORT
2003

COMPANY OF THE YEAR
2003

BELGIAN BUILDING COMMUNICATION
2004

HENRY VAN DE VELDE - BESTE DESIGN BEDRIJF
2004

BENELUX EVENT AWARDS - BOOST PARTY
2004

DESIGN MANAGEMENT EUROPE AWARDS
2009

HENRY VAN DE VELDE PUBLIC AWARD - PLAY
2009

REDDOT DESIGN AWARD - TWINE
2009

REDDOT DESIGN AWARD - PRODUCT
2013

REDDOT DESIGN AWARD - AURORA
2018

Pioneer in timeless design

HEATER DESIGN CHANGED FOREVER

In 1989, Jaga was the first to win a design award with the Linea Plus thanks to an inventive and slimming perfo-grid. The Iguana family, in turn awarded in 1999, meant a completely new design language for the heating industry. A new construction technique was developed especially for these units, which were based on a child's drawing of a radiant sun. In addition to techniques and designs, Jaga also wasn't afraid to experiment with materials. Knockonwood was the first mass produced wooden designer heater. The frivolous, concrete curls of the Heatwave have proven to be the perfect combination between traditional finesse, industrial materials and production techniques. The Vertiga Kirei perhaps embodies the Jaga values best: the casing from the non-edible part of the soy plant means a reduction in the amount of waste!

STANDOUTS IN DESIGN AND TECHNOLOGY

Climate change and an evolution in building techniques require an ecological approach for heating, cooling and ventilation. Jaga already developed the first dynamic heaters that can combine these functions in 2003, and you can find out how this has grown into a wide range of ecological solutions for every season

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What about Jaga?!

Since its foundation in 1962, Jaga has focused on innovation, creativity and sustainability. Jaga is still an independent family business that follows its own course. A course in which social and ecological awareness are key and long-term thinking takes precedence. It allows Jaga to constantly invest in its own products. These products, according to the climate designer philosophy, use less energy and don't require as many materials to manufacture.

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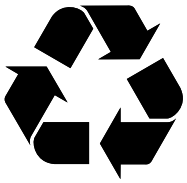

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