

# CF

## CASSETTE FAN COILS

HEATING AND COOLING  
IN A SINGLE SOLUTION



### 360° AIR DISTRIBUTION

Comfort in every room



### EXTREMELY QUIET OPERATION

Low noise level  
and high comfort



### HEATING AND COOLING

Designed for 2- and 4-pipe  
systems



### BMS INTEGRATION

Modbus, 0-10 V and smart  
control

# WHY CHOOSE CF?

**Designed for comfort, efficiency and modern building management.**

CF cassette fan coils ensure uniform temperature distribution throughout the room, efficient heating and cooling, and smooth integration into modern building management systems.

Thanks to 360° air distribution technology, comfort is achieved in every zone, while quiet operation allows the units to be used in offices, hotels, commercial and residential spaces.



## **360° AIR DISTRIBUTION**

A uniform air flow in all directions ensures comfort in every zone



## **EXTREMELY QUIET OPERATION**

A low noise level lets you enjoy a calm and comfortable environment all day



## **HEATING AND COOLING**

One unit for all seasons  
- efficient heating and cooling



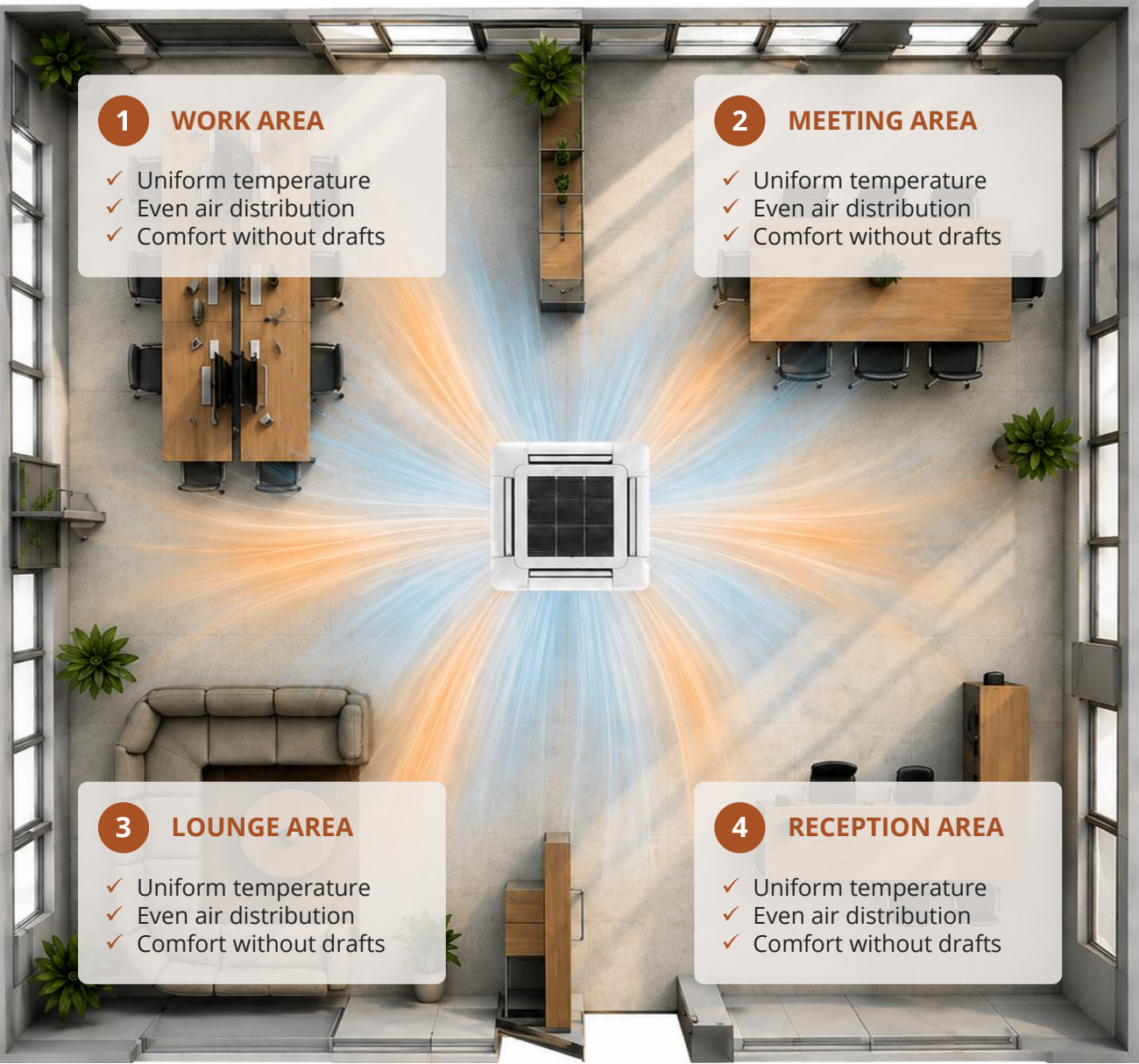
## **BMS INTEGRATION**

Modbus, 0-10 V and smart control for building management systems

# COMFORT IN EVERY ZONE

360° air distribution ensures a uniform temperature across the entire room.

CF cassette fan coils distribute air in four directions at once, eliminating hot and cold zones so comfort is maintained across the entire room.



## SUITABLE FOR:



OFFICES



HOTELS



COMMERCIAL SPACES



RESIDENTIAL SPACES

# WHERE FITS CF?

**Designed for commercial  
and comfort spaces**

CF cassette fan coils are designed for spaces where comfort, aesthetics, energy efficiency and flexible control matter.

Thanks to 360° air distribution, a comfortable temperature is achieved throughout the room regardless of its purpose.



## **A UNIVERSAL SOLUTION**

Suitable for various commercial and public spaces - from offices to hotels or shopping centres.



## **AESTHETICS AND DISCRETION**

Recessed into the ceiling, preserving a clean interior design and high architectural value.



## **FLEXIBILITY AND EASY CONTROL**

A wide choice of control solutions and easy integration into building management systems.

# WHERE DOES CF CREATE THE MOST VALUE?



## OFFICES

- ✓ Open-office spaces
- ✓ Conference halls
- ✓ Executive offices



## HOTELS

- ✓ Rooms
- ✓ Lobbies
- ✓ Conference areas



## RESTAURANTS



- ✓ Dining area
- ✓ VIP areas
- ✓ Banquet halls



## COMMERCIAL SPACES



- ✓ Shops
- ✓ Showrooms
- ✓ Shopping centres



## PUBLIC SPACES



- ✓ Schools
- ✓ Universities
- ✓ Libraries

# CF2 or CF4?

Both models provide the same level of comfort but are intended for different project needs.



## CF2

### 2-pipe system

- ✓ Heating or cooling
- ✓ Simpler solution
- ✓ Lower investment
- ✓ Most often used in offices and commercial spaces



## CF4

### 4-pipe system

- ✓ Simultaneous heating and cooling
- ✓ Maximum comfort
- ✓ Precise zone control
- ✓ For premium-class projects

|                                                                                                                 | CF2  | CF4     |
|-----------------------------------------------------------------------------------------------------------------|------|---------|
|  HEATING                      | ✓    | ✓       |
|  COOLING                      | ✓    | ✓       |
|  SIMULTANEOUS HEATING/COOLING | -    | ✓       |
|  CONTROL FLEXIBILITY          | ✓    | ✓ ✓     |
|  COMFORT LEVEL                | HIGH | MAXIMUM |



Choose **CF2** if you want a reliable, economical and simple solution



Choose **CF4** if you want maximum comfort and flexibility

# AC or EC?

Up to 70% lower electricity consumption for fan operation.

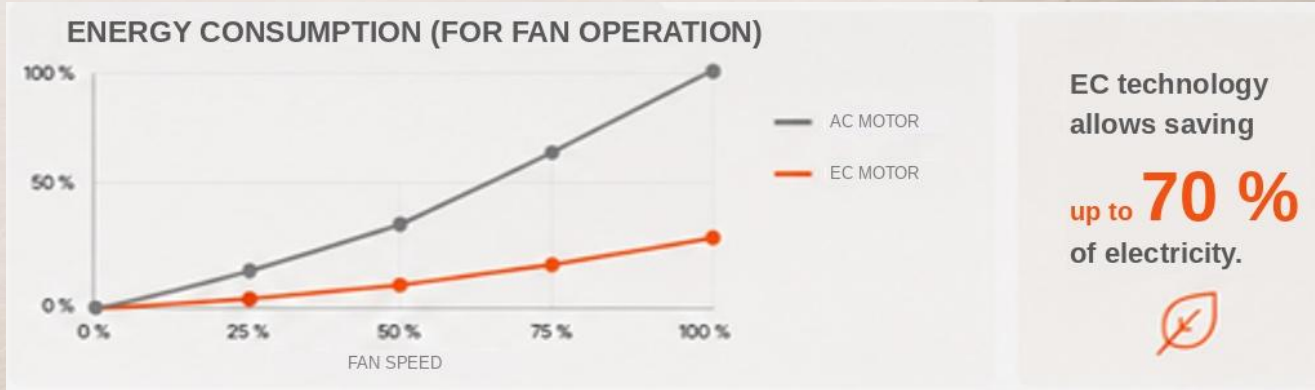


## AC Standard solution

- × Fixed speeds
- × Higher energy consumption
- × Limited control
- × Higher noise level
- × More complex integration

## EC Advanced solution

- ✓ Variable speed
- ✓ Up to 70% lower consumption
- ✓ More precise temperature control
- ✓ Lower noise
- ✓ BMS integration



## WHY DO DESIGNERS CHOOSE EC?



**LOWER  
OPERATING  
COSTS**



**BETTER ENERGY  
EFFICIENCY**



**MORE PRECISE  
COMFORT  
CONTROL**



**LOWER  
NOISE  
LEVEL**



**SUITABLE FOR A++  
BUILDINGS AND  
GREEN PROJECTS**

## 2-PIPE CASSETTE FAN COIL WITH AC MOTOR

CF2 AC cassette fan coils are an efficient and economical heating and cooling solution with a 2-pipe system. A wide model range makes it easy to find the most suitable unit for every project.



Heating or cooling, one mode at a time



A reliable asynchronous motor

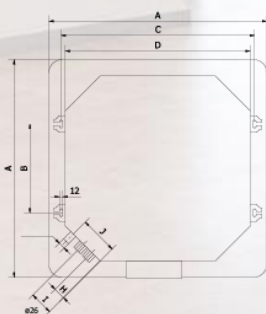
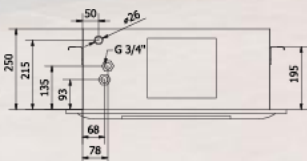


Efficient comfort all  
year round

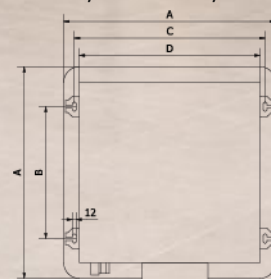
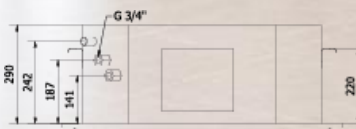


The ideal choice for  
offices, hotels and  
commercial spaces

CF2-34; CF2-51; CF2-68



CF2-85; CF2-102; CF2-136; CF2-170; CF2-204;  
CF2-238; CF2-289



| Model | CF2-34 | CF2-51 | CF2-68 | CF2-85 | CF2-102 | CF2-136 | CF2-170 | CF2-204 | CF2-238 | CF2-289 |
|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| A     | 680    | 680    | 680    | 830    | 980     | 830     | 980     | 1140    | 1140    | 1140    |
| B     | 424    | 424    | 424    | 338    | 416     | 338     | 416     | 488     | 488     | 488     |
| C     | 612    | 612    | 612    | 737    | 864     | 737     | 864     | 992     | 960     | 960     |
| D     | 580    | 580    | 580    | 705    | 832     | 705     | 832     | 960     | 960     | 960     |
| H     |        |        |        | 45     | 45      | 45      | 45      | 54      | 54      | 54      |
| I     |        |        |        | 90     | 90      | 90      | 90      | 99      | 99      | 99      |
| J     |        |        |        | 145    | 145     | 145     | 145     | 157     | 157     | 157     |

# TECHNICAL DATA

## CF2 AC



**AIR FLOW**  
**340-2890**  
**m³/h**



**COOLING CAPACITY**  
**1,3-11,4**  
**kW**



**HEATING CAPACITY**  
**3,6-31,7**  
**kW**

| Model                                   |       |         | CF2-34-AC                     | CF2-51-AC | CF2-68-AC | CF2-85-AC       | CF2-102-AC | CF2-136-AC | CF2-170-AC       | CF2-204-AC | CF2-238-AC | CF2-289-AC    |
|-----------------------------------------|-------|---------|-------------------------------|-----------|-----------|-----------------|------------|------------|------------------|------------|------------|---------------|
| Air flow                                | m³/h  | High    | 340                           | 510       | 680       | 850             | 1 020      | 1 360      | 1 700            | 2 040      | 2 380      | 2 890         |
|                                         |       | Med.    | 255                           | 383       | 510       | 638             | 765        | 1 020      | 1 275            | 1 530      | 1 785      | 2 100         |
|                                         |       | Low     | 170                           | 255       | 340       | 425             | 510        | 680        | 850              | 1 020      | 1 190      | 1 600         |
| Total cooling capacity<br>7/12/25 °C    | W     | High    | 1 300                         | 1 960     | 2 658     | 3 391           | 4 027      | 5 334      | 6 778            | 8 196      | 9 302      | 11 360        |
|                                         |       | Med.    | 1 040                         | 1 568     | 2 126     | 2 713           | 3 222      | 4 267      | 5 423            | 6 557      | 7 442      | 9 088         |
|                                         |       | Low     | 780                           | 1 176     | 1 595     | 2 035           | 2 416      | 3 201      | 4 067            | 4 918      | 5 581      | 6 816         |
| Sensible cooling capacity<br>7/12/25 °C | W     | High    | 1 184                         | 1 747     | 2 311     | 2 889           | 3 501      | 4 667      | 5 795            | 6 907      | 8 008      | 9 671         |
|                                         |       | Med.    | 947                           | 1 397     | 1 849     | 2 311           | 2 801      | 3 734      | 4 636            | 5 525      | 6 407      | 7 737         |
|                                         |       | Low     | 711                           | 1 048     | 1 386     | 1 733           | 2 101      | 2 800      | 3 477            | 4 144      | 4 805      | 5 803         |
| Heating capacity<br>75/65/20°C          | W     | High    | 3 595                         | 5 405     | 7 205     | 9 005           | 10 780     | 14 380     | 17 920           | 21 740     | 25 280     | 31 650        |
|                                         |       | Med.    | 2 876                         | 4 324     | 5 764     | 7 204           | 8 624      | 11 504     | 14 336           | 17 392     | 20 224     | 25 320        |
|                                         |       | Low     | 2 157                         | 3 243     | 4 323     | 5 403           | 6 468      | 8 628      | 10 752           | 13 044     | 15 168     | 18 990        |
| Power supply voltage                    |       |         | 220~230V / 1Ph / 50 or 60Hz   |           |           |                 |            |            |                  |            |            |               |
| Max. electrical power                   | W     |         | 36                            | 50        | 60        | 74              | 93         | 130        | 147              | 183        | 221        | 330           |
| Max. electrical current                 | A     |         | 0,16                          | 0,22      | 0,26      | 0,32            | 0,4        | 0,57       | 0,64             | 0,8        | 0,96       | 1,43          |
| Sound level                             | dB(A) | High    | 37                            | 39        | 41        | 43              | 45         | 46         | 48               | 50         | 52         | 57            |
|                                         |       | Med.    | 30                            | 33        | 36        | 34              | 36         | 41         | 41               | 43         | 47         | 53            |
|                                         |       | Low     | 26                            | 29        | 32        | 30              | 32         | 34         | 35               | 37         | 43         | 48            |
| Max. water flow                         | l/h   | Cooling | 224                           | 337       | 457       | 583             | 693        | 917        | 1 166            | 1 409      | 1 600      | 1 953         |
|                                         |       | Heating | 309                           | 465       | 620       | 774             | 927        | 1 236      | 1 541            | 1 869      | 2 174      | 2 721         |
| Max. pressure loss                      | kPa   | Cooling | 7                             | 9         | 11        | 16              | 18         | 19         | 17               | 19         | 22         | 36            |
|                                         |       | Heating | 3                             | 8         | 15        | 22              | 13         | 13         | 20               | 35         | 14         | 20            |
| Max. operating pressure                 | MPa   |         | 1,6                           |           |           |                 |            |            |                  |            |            |               |
| Insulation class                        |       |         | B                             |           |           |                 |            |            |                  |            |            |               |
| Fan type                                |       |         | Centrifugal                   |           |           |                 |            |            |                  |            |            |               |
| Motor type                              |       |         | Asynchronous 4-speed AC motor |           |           |                 |            |            |                  |            |            |               |
| Heat exchanger type                     |       |         | 2-pipe                        |           |           |                 |            |            |                  |            |            |               |
| Heat exchanger material                 |       |         | Copper – aluminium            |           |           |                 |            |            |                  |            |            |               |
| Pipe connections                        |       |         | 3/4" internal thread          |           |           |                 |            |            |                  |            |            |               |
| Condensate pipe                         | mm    |         | d26                           |           |           |                 |            |            |                  |            |            |               |
| Controller                              |       |         | Infrared remote control       |           |           |                 |            |            |                  |            |            |               |
| Unit dimensions (L/W/H)                 | mm    | Unit    | 580 x 580 x 250               |           |           | 705 x 705 x 290 |            |            | 832 x 832 x 290  |            |            | 960x960x290   |
|                                         | mm    | Panel   | 680 x 680 x 30                |           |           | 830 x 830 x 30  |            |            | 980 x 980 x 30   |            |            | 1140x1140x30  |
| Packaging dimensions (L/W/H)            | mm    | Unit    | 675 x 675 x 270               |           |           | 800 x 800 x 310 |            |            | 925 x 925 x 310  |            |            | 1054x1054x305 |
|                                         | mm    | Panel   | 720 x 710 x 75                |           |           | 860 x 860 x 75  |            |            | 1010 x 1010 x 75 |            |            | 1170x1170x75  |
| Net weight                              | kg    | Unit    | 16,4                          |           |           | 21,5            |            |            | 26,7             |            |            | 37,6          |
|                                         | kg    | Panel   | 2,3                           |           |           | 3,3             |            |            | 5,2              |            |            | 7,8           |
| Gross weight                            | kg    | Unit    | 19,                           |           |           | 24,3            |            |            | 30,5             |            |            | 42,2          |
|                                         | kg    | Panel   | 3,3                           |           |           | 4,9             |            |            | 7,1              |            |            | 10,5          |

# CF2 EC

## 2-PIPE CASSETTE FAN COIL WITH EC MOTOR

### AN ADVANCED SOLUTION FOR MAXIMUM EFFICIENCY

CF2 EC cassette fan coils are an energy-saving solution with an advanced EC motor that ensures more precise control, quiet operation and significantly lower operating costs.



#### UP TO 40% LOWER CONSUMPTION

The EC motor adapts to the load and reduces electricity consumption.



#### MORE PRECISE COMFORT CONTROL

A constant air flow and precise temperature control ensure the highest level of comfort.



#### QUIETER OPERATION

EC technology ensures extremely quiet operation across the entire speed range.



#### EASY INTEGRATION

Full compatibility with BMS systems via Modbus or 0-10 V control.



#### 2-PIPE SYSTEM

Heating or cooling, one mode at a time.



#### EC MOTOR

An energy-saving, variable-speed motor.



#### HEATING AND COOLING

Efficient comfort all year round.

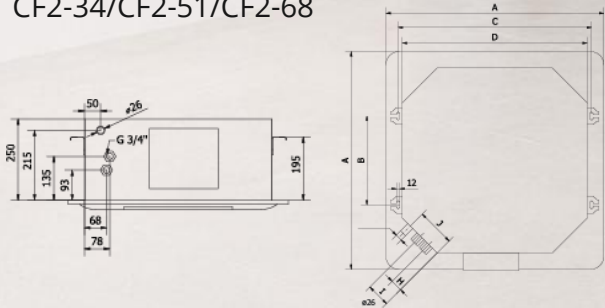


#### FOR OFFICES AND RETAIL

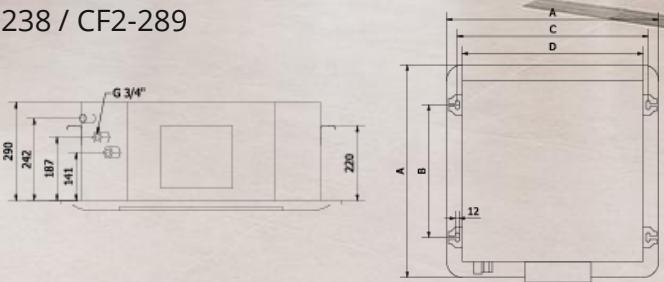
The ideal choice for offices, hotels and commercial spaces.

### DIMENSIONS

CF2-34/CF2-51/CF2-68



CF2-85/CF2-102/CF2-136/CF2-170/CF2-204/CF2-238 / CF2-289



| Model | CF2-34 | CF2-51 | CF2-68 | CF2-85 | CF2-102 | CF2-136 | CF2-170 | CF2-204 | CF2-238 | CF2-289 |
|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| A     | 680    | 680    | 680    | 830    | 980     | 830     | 980     | 1140    | 1140    | 1140    |
| B     | 424    | 424    | 424    | 338    | 416     | 338     | 416     | 488     | 488     | 488     |
| C     | 612    | 612    | 612    | 737    | 864     | 737     | 864     | 992     | 960     | 960     |
| D     | 580    | 580    | 580    | 705    | 832     | 705     | 832     | 960     | 960     | 960     |
| H     |        |        |        | 45     | 45      | 45      | 45      | 54      | 54      | 54      |
| I     |        |        |        | 90     | 90      | 90      | 90      | 99      | 99      | 99      |
| J     |        |        |        | 145    | 145     | 145     | 145     | 157     | 157     | 157     |

# TECHNICAL DATA

## CF2 AC



AIR FLOW

340-2890

m³/h



COOLING CAPACITY

1,3-11,4

kW



HEATING CAPACITY

3,6-31,7

kW

| Model                                   |       |         | CF2-34-EC                   | CF2-51-EC | CF2-68-EC | CF2-85-EC   | CF2-102-EC | CF2-136-EC | CF2-170-EC   | CF2-204-EC | CF2-238-EC |
|-----------------------------------------|-------|---------|-----------------------------|-----------|-----------|-------------|------------|------------|--------------|------------|------------|
| Air flow                                | m³/h  | High    | 340                         | 510       | 680       | 850         | 1 020      | 1 360      | 1 700        | 2 040      | 2 380      |
|                                         |       | Med.    | 255                         | 383       | 510       | 638         | 765        | 1 020      | 1 275        | 1 530      | 1 785      |
|                                         |       | Low     | 170                         | 255       | 340       | 425         | 510        | 680        | 850          | 1 020      | 1 190      |
| Total cooling capacity<br>7/12/25 °C    | W     | High    | 1 300                       | 1 960     | 2 658     | 3 391       | 4 027      | 5 334      | 6 778        | 8 196      | 9 302      |
|                                         |       | Med.    | 1 040                       | 1 568     | 2 126     | 2 713       | 3 222      | 4 267      | 5 423        | 6 557      | 7 442      |
|                                         |       | Low     | 780                         | 1 176     | 1 595     | 2 035       | 2 416      | 3 201      | 4 067        | 4 918      | 5 581      |
| Sensible cooling<br>capacity 7/12/25 °C | W     | High    | 1 184                       | 1 747     | 2 311     | 2 889       | 3 501      | 4 667      | 5 795        | 6 907      | 8 008      |
|                                         |       | Med.    | 947                         | 1 397     | 1 849     | 2 311       | 2 801      | 3 734      | 4 636        | 5 525      | 6 407      |
|                                         |       | Low     | 711                         | 1 048     | 1 386     | 1 733       | 2 101      | 2 800      | 3 477        | 4 144      | 4 805      |
| Heating capacity<br>75/65/20°C          | W     | High    | 3 595                       | 5 405     | 7 205     | 9 005       | 10 780     | 14 380     | 17 920       | 21 740     | 25 280     |
|                                         |       | Med.    | 2 876                       | 4 324     | 5 764     | 7 204       | 8 624      | 11 504     | 14 336       | 17 392     | 20 224     |
|                                         |       | Low     | 2 157                       | 3 243     | 4 323     | 5 403       | 6 468      | 8 628      | 10 752       | 13 044     | 15 168     |
| Power supply voltage                    |       |         | 220~230V / 1Ph / 50 or 60Hz |           |           |             |            |            |              |            |            |
| Max. electrical power                   | W     |         | 22                          | 30        | 36        | 44          | 56         | 78         | 88           | 114        | 139        |
| Max. electrical current                 | A     |         | 0,1                         | 0,14      | 0,16      | 0,2         | 0,25       | 0,35       | 0,4          | 0,52       | 0,63       |
| Sound level                             | dB(A) | High    | 37                          | 39        | 41        | 43          | 45         | 46         | 48           | 50         | 52         |
|                                         |       | Med.    | 30                          | 33        | 36        | 34          | 36         | 41         | 41           | 43         | 47         |
|                                         |       | Low     | 26                          | 29        | 32        | 30          | 32         | 34         | 35           | 37         | 43         |
| Max. water flow                         | l/h   | Cooling | 224                         | 337       | 457       | 583         | 693        | 917        | 1 166        | 1 409      | 1 600      |
|                                         |       | Heating | 309                         | 465       | 620       | 774         | 927        | 1 236      | 1 541        | 1 869      | 2 174      |
| Max. pressure loss                      | kPa   | Cooling | 7                           | 9         | 11        | 16          | 18         | 19         | 17           | 19         | 22         |
|                                         |       | Heating | 3                           | 8         | 15        | 22          | 13         | 13         | 20           | 35         | 14         |
| Max. operating pressure                 | MPa   |         | 1,6                         |           |           |             |            |            |              |            |            |
| Insulation class                        |       |         | B                           |           |           |             |            |            |              |            |            |
| Fan type                                |       |         | Centrifugal                 |           |           |             |            |            |              |            |            |
| Motor type                              |       |         | EC                          |           |           |             |            |            |              |            |            |
| Heat exchanger type                     |       |         | 2-pipe                      |           |           |             |            |            |              |            |            |
| Heat exchanger material                 |       |         | Copper – aluminium          |           |           |             |            |            |              |            |            |
| Pipe connections                        |       |         | 3/4" internal thread        |           |           |             |            |            |              |            |            |
| Condensate pipe                         | mm    |         | d26                         |           |           |             |            |            |              |            |            |
| Controller                              |       |         | Infrared remote control     |           |           |             |            |            |              |            |            |
| Unit dimensions (L/W/H)                 | mm    | Unit    | 580x580x250                 |           |           | 705x705x290 |            |            | 832x832x290  |            |            |
|                                         | mm    | Panel   | 680x680x30                  |           |           | 830x830x30  |            |            | 980x980x30   |            |            |
| Packaging dimensions<br>(L/W/H)         | mm    | Unit    | 675x675x270                 |           |           | 800x800x310 |            |            | 925x925x310  |            |            |
|                                         | mm    | Panel   | 720x710x75                  |           |           | 860x860x75  |            |            | 1010x1010x75 |            |            |
| Net weight                              | kg    | Unit    | 16,4                        |           |           | 21,5        |            |            | 26,7         |            |            |
|                                         | kg    | Panel   | 2,3                         |           |           | 3,3         |            |            | 5,2          |            |            |
| Gross weight                            | kg    | Unit    | 19,                         |           |           | 24,3        |            |            | 30,5         |            |            |
|                                         | kg    | Panel   | 3,3                         |           |           | 4,9         |            |            | 7,1          |            |            |

# CF4 AC

## 4-PIPE CASSETTE FAN COIL WITH AC MOTOR

### MAXIMUM FLEXIBILITY — FOUR-PIPE SYSTEM

CF4 AC cassette fan coils allow simultaneous cooling and heating in different zones. This is the optimal choice for hotels, offices and other commercial buildings that require the highest level of comfort and flexibility.



#### 4-PIPE SYSTEM

Independent cooling and heating in different zones.



#### AC MOTOR

A reliable and economical asynchronous motor.



#### HEATING AND COOLING

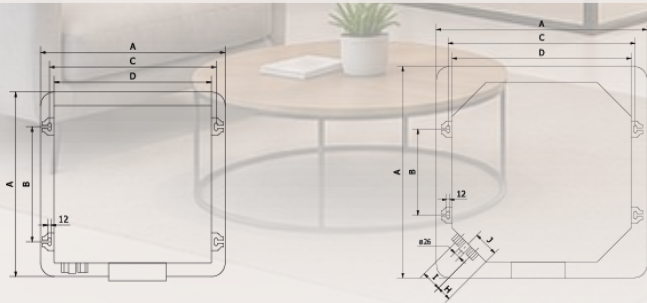
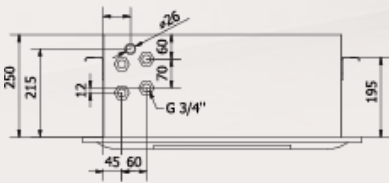
Provides comfort all year round, simultaneously.



#### FOR OFFICES AND RETAIL

Hotels, offices, shopping centres and other spaces.

### DIMENSIONS



| Model | CF2-34 | CF2-51 | CF2-68 | CF2-85 | CF2-102 | CF2-136 | CF2-170 | CF2-204 | CF2-238 | CF2-289 |
|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| A     | 680    | 680    | 680    | 830    | 980     | 830     | 980     | 1140    | 1140    | 1140    |
| B     | 424    | 424    | 424    | 338    | 416     | 338     | 416     | 488     | 488     | 488     |
| C     | 612    | 612    | 612    | 737    | 864     | 737     | 864     | 992     | 960     | 960     |
| D     | 580    | 580    | 580    | 705    | 832     | 705     | 832     | 960     | 960     | 960     |
| H     |        |        |        | 45     | 45      | 45      | 45      | 54      | 54      | 54      |
| I     |        |        |        | 90     | 90      | 90      | 90      | 99      | 99      | 99      |
| J     |        |        |        | 145    | 145     | 145     | 145     | 157     | 157     | 157     |

# TECHNICAL DATA

## CF4 AC



AIR FLOW

680-2890

m³/h



COOLING CAPACITY

1,8-7,4

kW



HEATING CAPACITY

4,7-21,2

kW

| Model                                  |       |         | CF4-68-AC                     | CF4-85-AC   | CF4-102-AC | CF4-136-AC | CF4-170-AC   | CF4-204-AC | CF4-238-AC | CF4-289-AC    |
|----------------------------------------|-------|---------|-------------------------------|-------------|------------|------------|--------------|------------|------------|---------------|
| Air flow                               | m³/h  | High    | 680                           | 850         | 1 020      | 1 360      | 1 700        | 2 040      | 2 380      | 2 890         |
|                                        |       | Med.    | 510                           | 638         | 765        | 1 020      | 1 275        | 1 530      | 1 785      | 2 100         |
|                                        |       | Low     | 340                           | 425         | 510        | 680        | 850          | 1 020      | 1 190      | 1 600         |
| Total cooling capacity<br>7/12/27°C    | W     | High    | 1 842                         | 2 244       | 2 596      | 3 603      | 4 257        | 5 016      | 5 910      | 7 360         |
|                                        |       | Med.    | 1 474                         | 1 795       | 2 077      | 2 882      | 3 406        | 4 013      | 4 728      | 5 888         |
|                                        |       | Low     | 1 105                         | 1 346       | 1 557      | 2 162      | 2 554        | 3 010      | 3 546      | 4 416         |
| Sensible cooling capacity<br>7/12/27°C | W     | High    | 1 758                         | 2 220       | 2 582      | 3 460      | 4 256        | 4 890      | 5 655      | 7 238         |
|                                        |       | Med.    | 1 406                         | 1 776       | 2 065      | 2 768      | 3 404        | 3 912      | 4 524      | 5 790         |
|                                        |       | Low     | 1 055                         | 1 332       | 1 549      | 2 076      | 2 553        | 2 934      | 3 393      | 4 343         |
| Heating capacity<br>75/65/20°C         | W     | High    | 4 685                         | 6 030       | 7 535      | 8 350      | 11 245       | 12 760     | 14 930     | 21 200        |
|                                        |       | Med.    | 3 748                         | 4 824       | 6 028      | 6 680      | 8 996        | 10 208     | 11 944     | 16 960        |
|                                        |       | Low     | 2 858                         | 3 678       | 4 596      | 5 094      | 6 859        | 7 784      | 9 107      | 12 932        |
| Power supply voltage                   |       |         | 220~230V / 1Ph / 50 or 60Hz   |             |            |            |              |            |            |               |
| Max. electrical power                  | W     |         | 60,                           | 74,         | 93,        | 130,       | 147,         | 183,       | 221,       | 330,          |
| Max. electrical current                | A     |         | 0,26                          | 0,32        | 0,4        | 0,57       | 0,64         | 0,8        | 0,96       | 1,43          |
| Sound level                            | dB(A) | High    | 41                            | 43          | 45         | 46         | 48           | 50         | 52         | 57            |
|                                        |       | Med.    | 36,                           | 34,         | 36,        | 41,        | 41,          | 43,        | 47,        | 53,           |
|                                        |       | Low     | 32,                           | 30,         | 32,        | 34,        | 35,          | 37,        | 43,        | 48,           |
| Max. water flow                        | l/h   | Cooling | 317,                          | 386,        | 446,       | 620,       | 732,         | 863,       | 1 016,     | 1 266,        |
|                                        |       | Heating | 403,                          | 518,        | 648,       | 718,       | 967,         | 1 097,     | 1 284,     | 1 823,        |
| Max. pressure loss                     | kPa   | Cooling | 11,                           | 17,         | 22,        | 24,        | 27,          | 30,        | 35,        | 40,           |
|                                        |       | Heating | 70,                           | 59,         | 55,        | 20,        | 34,          | 42,        | 55,        | 34,           |
| Max. operating pressure                | MPa   |         | 1,6                           |             |            |            |              |            |            |               |
| Insulation class                       |       |         | B                             |             |            |            |              |            |            |               |
| Fan type                               |       |         | Centrifugal                   |             |            |            |              |            |            |               |
| Motor type                             |       |         | Asynchronous 4-speed AC motor |             |            |            |              |            |            |               |
| Heat exchanger type                    |       |         | 4-pipe                        |             |            |            |              |            |            |               |
| Heat exchanger material                |       |         | Copper – aluminium            |             |            |            |              |            |            |               |
| Pipe connections                       |       |         | 3/4" internal thread          |             |            |            |              |            |            |               |
| Condensate pipe                        | mm    |         | d26                           |             |            |            |              |            |            |               |
| Controller                             |       |         | Infrared remote control       |             |            |            |              |            |            |               |
| Unit dimensions<br>(L/W/H)             | mm    | Unit    | 580x580x250                   | 705x705x290 |            |            | 832x832x290  |            |            | 960x960x290   |
|                                        | mm    | Panel   | 680x680x30                    | 830x830x30  |            |            | 980x980x30   |            |            | 1140x1140x30  |
| Packaging dimensions<br>(L/W/H)        | mm    | Unit    | 675x675x270                   | 800x800x310 |            |            | 925x925x310  |            |            | 1054x1054x305 |
|                                        | mm    | Panel   | 720x710x75                    | 860x860x75  |            |            | 1010x1010x75 |            |            | 1170x1170x75  |
| Net weight                             | kg    | Unit    | 17,                           | 22,2        |            |            | 27,4         |            |            | 38,3          |
|                                        | kg    | Panel   | 2,3                           | 3,4         |            |            | 5,2          |            |            | 7,8           |
| Gross weight                           | kg    | Unit    | 20,                           | 25,         |            |            | 31,2         |            |            | 42,9          |
|                                        | kg    | Panel   | 3,4                           | 4,9         |            |            | 7,2          |            |            | 10,5          |

# CF4 EC

## 4-PIPE CASSETTE FAN COIL WITH EC MOTOR

### PREMIUM COMFORT IN EVERY ZONE

CF4 EC cassette fan coils let you cool and heat different rooms at the same time — an ideal solution for hotels, modern offices and commercial buildings. The advanced EC motor ensures maximum efficiency, quiet operation and precise control, reducing energy consumption by up to 40%.



#### 4-PIPE SYSTEM

Independent cooling and heating in different zones.



#### AC MOTOR

An advanced and economical brushless EC motor.



#### HEATING AND COOLING

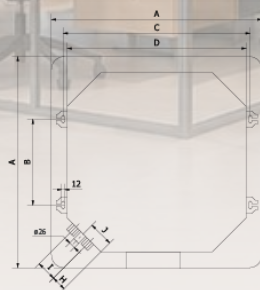
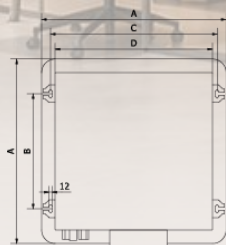
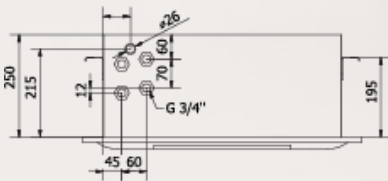
Provides comfort all year round, simultaneously.



#### FOR OFFICES AND RETAIL

Hotels, offices, shopping centres and other spaces.

### DIMENSIONS



| Model | CF2-34 | CF2-51 | CF2-68 | CF2-85 | CF2-102 | CF2-136 | CF2-170 | CF2-204 | CF2-238 | CF2-289 |
|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| A     | 680    | 680    | 680    | 830    | 980     | 830     | 980     | 1140    | 1140    | 1140    |
| B     | 424    | 424    | 424    | 338    | 416     | 338     | 416     | 488     | 488     | 488     |
| C     | 612    | 612    | 612    | 737    | 864     | 737     | 864     | 992     | 960     | 960     |
| D     | 580    | 580    | 580    | 705    | 832     | 705     | 832     | 960     | 960     | 960     |
| H     |        |        |        | 45     | 45      | 45      | 45      | 54      | 54      | 54      |
| I     |        |        |        | 90     | 90      | 90      | 90      | 99      | 99      | 99      |
| J     |        |        |        | 145    | 145     | 145     | 145     | 157     | 157     | 157     |

# TECHNICAL DATA

## CF4 AC



AIR FLOW

680-2890

m³/h



COOLING CAPACITY

1,8-7,4

kW



HEATING CAPACITY

4,7-21,2

kW

| Model                                   |       |         | CF4-68-EC                   | CF4-85-EC   | CF4-102-EC | CF4-136-EC | CF4-170-EC   | CF4-204-EC | CF4-238-EC |
|-----------------------------------------|-------|---------|-----------------------------|-------------|------------|------------|--------------|------------|------------|
| Air flow                                | m³/h  | Max.    | 680                         | 850         | 1 020      | 1 360      | 1 700        | 2 040      | 2 380      |
|                                         |       | Avg.    | 510                         | 638         | 765        | 1 020      | 1 275        | 1 530      | 1 785      |
|                                         |       | Min.    | 340                         | 425         | 510        | 680        | 850          | 1 020      | 1 190      |
| Total cooling capacity<br>7/12/25 °C    | W     | Max.    | 1 842                       | 2 244       | 2 596      | 3 603      | 4 257        | 5 016      | 5 910      |
|                                         |       | Avg.    | 1 474                       | 1 795       | 2 077      | 2 882      | 3 406        | 4 013      | 4 728      |
|                                         |       | Min.    | 1 105                       | 1 346       | 1 557      | 2 162      | 2 554        | 3 010      | 3 546      |
| Sensible cooling<br>capacity 7/12/25 °C | W     | Max.    | 1 758                       | 2 220       | 2 582      | 3 460      | 4 256        | 4 890      | 5 655      |
|                                         |       | Avg.    | 1 406                       | 1 776       | 2 065      | 2 768      | 3 404        | 3 912      | 4 524      |
|                                         |       | Min.    | 1 055                       | 1 332       | 1 549      | 2 076      | 2 553        | 2 934      | 3 393      |
| Heating capacity<br>75/65/20 °C         | W     | Max.    | 4 685                       | 6 030       | 7 535      | 8 350      | 11 245       | 12 760     | 14 930     |
|                                         |       | Avg.    | 3 748                       | 4 824       | 6 028      | 6 680      | 8 996        | 10 208     | 11 944     |
|                                         |       | Min.    | 2 858                       | 3 678       | 4 596      | 5 094      | 6 859        | 7 784      | 9 107      |
| Power supply voltage                    |       |         | 220~230V / 1Ph / 50 or 60Hz |             |            |            |              |            |            |
| Max. electrical power                   | W     |         | 36                          | 44          | 56         | 78         | 88           | 114        | 139        |
| Max. electrical current                 | A     |         | 0,16                        | 0,2         | 0,25       | 0,35       | 0,4          | 0,52       | 0,63       |
| Sound level                             | dB(A) | Max.    | 41                          | 43          | 45         | 46         | 48           | 50         | 52         |
|                                         |       | Avg.    | 36                          | 34          | 36         | 41         | 41           | 43         | 47         |
|                                         |       | Min.    | 32                          | 30          | 32         | 34         | 35           | 37         | 43         |
| Max. water flow                         | l/h   | Cooling | 317                         | 386         | 446        | 620        | 732          | 863        | 1 016      |
|                                         |       | Heating | 403                         | 518         | 648        | 718        | 967          | 1 097      | 1 284      |
| Max. pressure loss                      | kPa   | Cooling | 11                          | 17          | 22         | 24         | 27           | 30         | 35         |
|                                         |       | Heating | 70                          | 59          | 55         | 20         | 34           | 42         | 55         |
| Max. operating<br>pressure              | MPa   |         | 1,6                         |             |            |            |              |            |            |
| Insulation class                        |       |         | B                           |             |            |            |              |            |            |
| Fan type                                |       |         | Centrifugal                 |             |            |            |              |            |            |
| Motor type                              |       |         | EC                          |             |            |            |              |            |            |
| Heat exchanger type                     |       |         | 4-pipe                      |             |            |            |              |            |            |
| Heat exchanger material                 |       |         | Copper – aluminium          |             |            |            |              |            |            |
| Pipe connections                        |       |         | 3/4" internal thread        |             |            |            |              |            |            |
| Condensate pipe                         | mm    |         | d26                         |             |            |            |              |            |            |
| Controller                              |       |         | Infrared remote control     |             |            |            |              |            |            |
| Unit dimensions<br>(L/W/H)              | mm    | Unit    | 580x580x250                 | 705x705x290 |            |            | 832x832x290  |            |            |
|                                         | mm    | Panel   | 680x680x30                  | 830x830x30  |            |            | 980x980x30   |            |            |
| Packaging dimensions<br>(L/W/H)         | mm    | Unit    | 675x675x270                 | 800x800x310 |            |            | 925x925x310  |            |            |
|                                         | mm    | Panel   | 720x710x75                  | 860x860x75  |            |            | 1010x1010x75 |            |            |
| Net weight                              | kg    | Unit    | 17,                         | 22,2        |            |            | 27,4         |            |            |
|                                         | kg    | Panel   | 2,3                         | 3,4         |            |            | 5,2          |            |            |
| Gross weight                            | kg    | Unit    | 20,                         | 25,         |            |            | 31,2         |            |            |
|                                         | kg    | Panel   | 3,4                         | 4,9         |            |            | 7,2          |            |            |

# CONTROL AND AUTOMATION

## SMART CONTROL FOR EVERY PROJECT

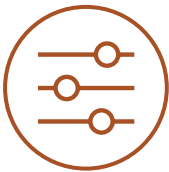
CF fan coils offer flexible control options and easy integration into building automation systems.

A wide choice of control methods ensures optimal comfort and energy savings.



### REMOTE CONTROL

A convenient IR remote control is included.



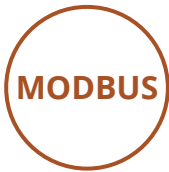
### WALL CONTROLLER

A modern wall controller for comfortable everyday use.



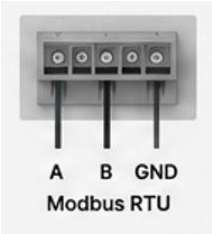
### 0-10 V

Easy integration into control systems using an analog 0-10 V signal.



### MODBUS RTU

Full integration into building management systems via the Modbus RTU interface.



### SIMPLE INTEGRATION



CF CASSETTE FAN COIL



CONTROLLER



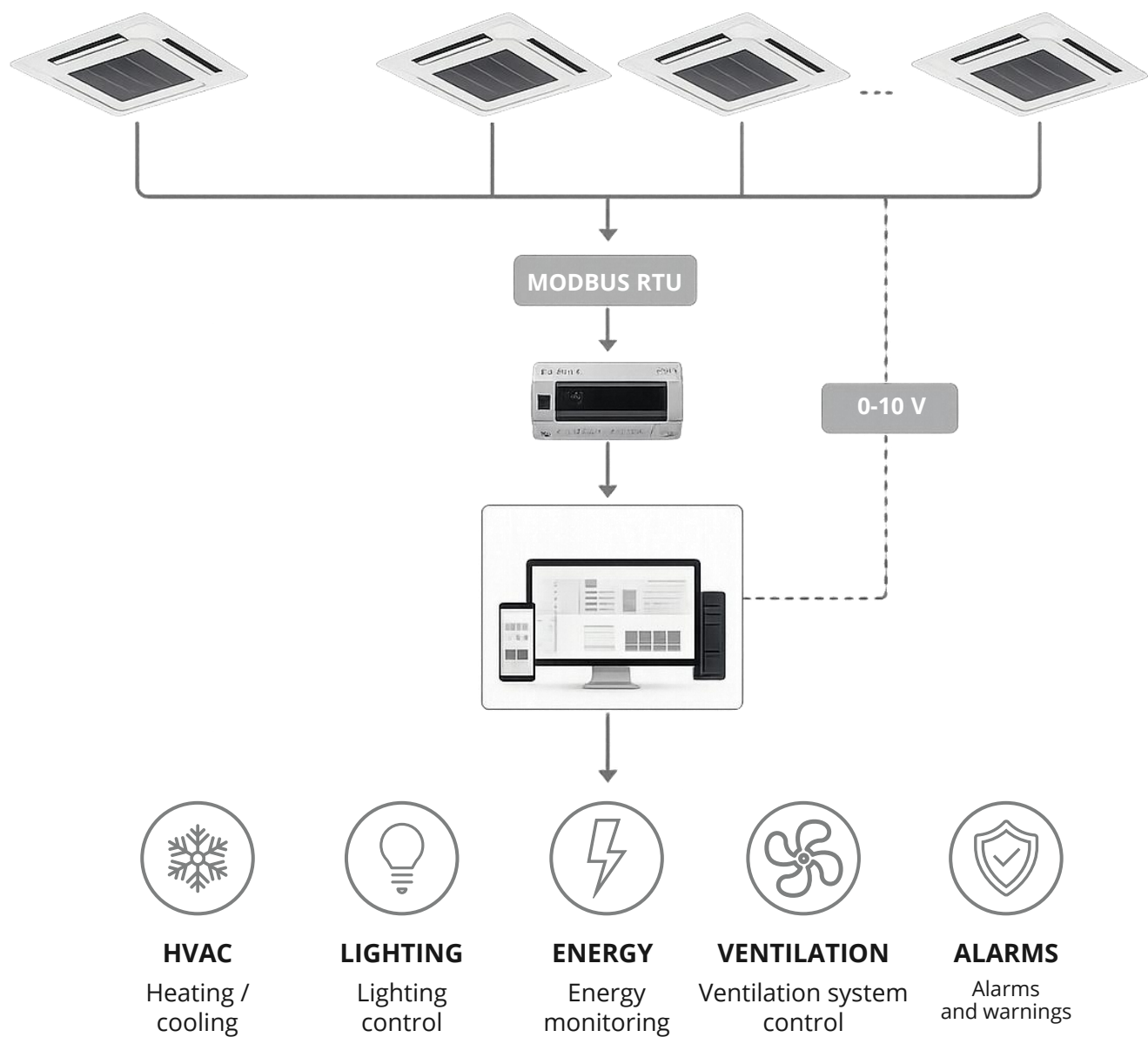
INTERFACE (0-10 V / MODBUS)



BMS SYSTEM

# INTEGRATION INTO BUILDING MANAGEMENT SYSTEMS (BMS)

CF fan coils integrate easily into building management systems via Modbus RTU or 0-10 V interfaces. This enables centralized control of all units, monitoring of their status and optimization of energy use.



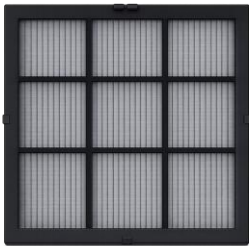
- |                                                                                                          |                                                                                               |                                                                                                      |                                                                                      |
|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>MODBUS RTU</b><br>A reliable and widely used communication protocol that ensures stable data transfer | <b>0-10 V</b><br>Simple and flexible analog control suitable for a variety of control systems | <b>CENTRALIZED CONTROL</b><br>Control all units at once from a single point and monitor their status | <b>ENERGY SAVINGS</b><br>Smart control lets you optimize energy use and reduce costs |
|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|

# STANDARD EQUIPMENT

The CF cassette fan coil comes with all the main components needed for reliable and efficient operation with no extra hassle.

3

## INTEGRATED AIR FILTERS



Easily removable and washable filters ensure clean air and a long service life.

1

## INTEGRATED DRAIN PUMP

Reliable condensate removal even in difficult conditions.

2

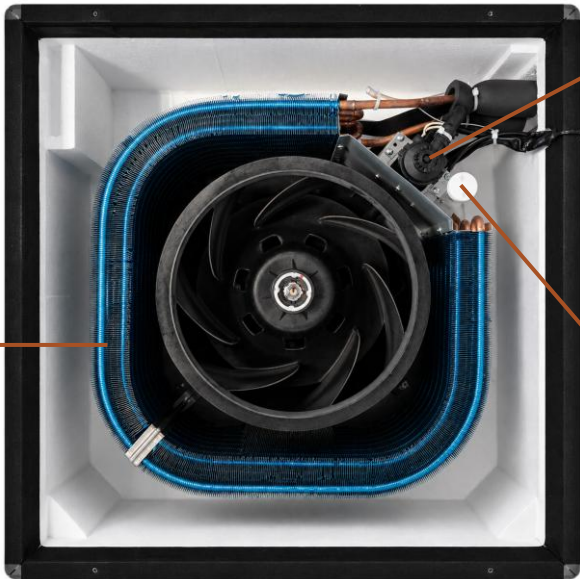
## INTEGRATED FLOAT SWITCH

Protects against condensate overflow and unit leakage.

4

## HYDROPHOBIC HEAT EXCHANGER

A special hydrophobic coating protects the heat exchanger from moisture, corrosion and dust.



5

## REMOTE CONTROL

A convenient IR remote is included - all functions at your fingertips.



### INTEGRATED DRAIN PUMP

Reliable condensate removal



### INTEGRATED FLOAT SWITCH

Protects against overflow and leakage



### INTEGRATED AIR FILTERS

Clean air and a long service life



### HYDROPHOBIC HEAT EXCHANGER

Protection against moisture, corrosion and dust

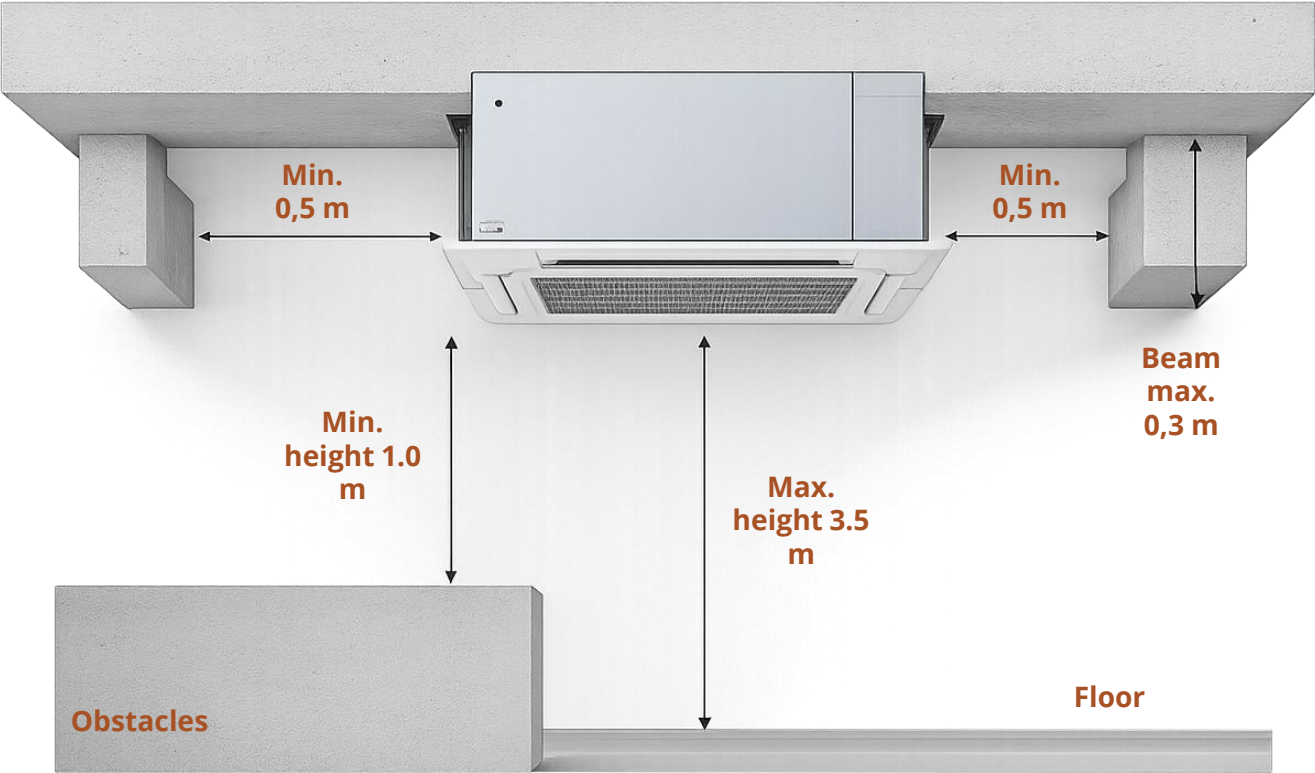


### REMOTE CONTROL

All functions at your fingertips

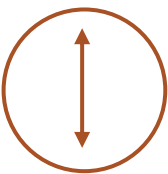
# INSTALLATION REQUIREMENTS

Proper unit installation ensures optimal operation, comfort and longevity. Follow the specified requirements for the best results.



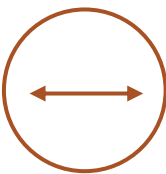
**MIN. HEIGHT**  
**1,0 m**

A convenient IR remote control is included.



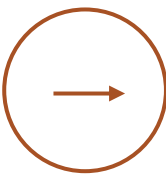
**MAX. HEIGHT**  
**3,5 m**

Recommended maximum installation height.



**DISTANCE TO OBSTACLES**  
**Min. 0.5 m**

Minimum distance from the unit to walls or other obstacles.



**BEAM PROTRUSION**  
**Max. 0.3 m**

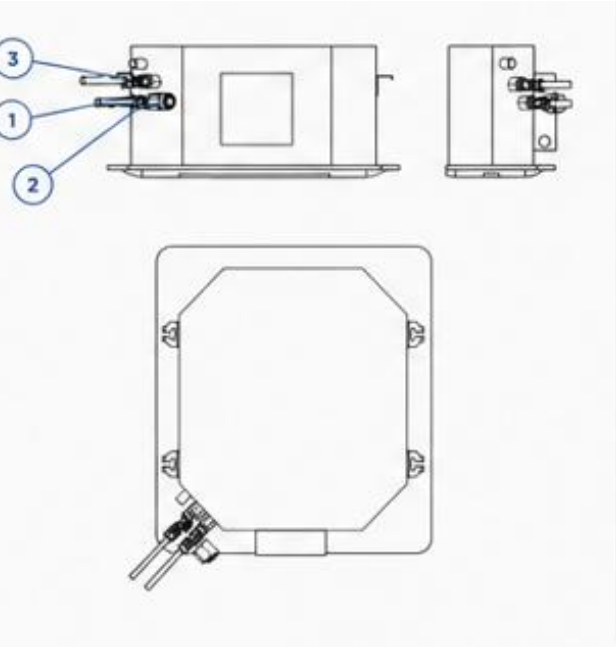
Maximum beam or structure protrusion above the unit.

# CONNECTION DIAGRAMS

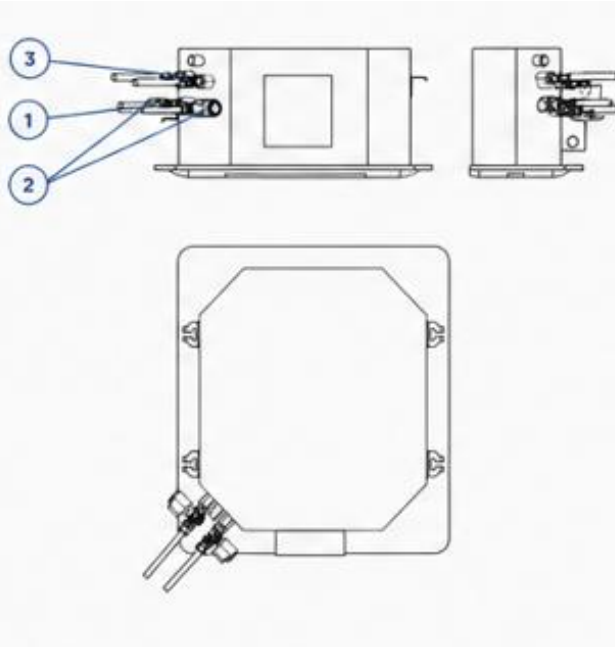
## FOR CF CASSETTE FAN COILS

Standard hydraulic diagrams for different system types.  
Proper connection ensures optimal operation and reliable condensate removal.

### 2-PIPE SYSTEM (CF2)



### 4-PIPE SYSTEM (CF4)



① Straight thermostatic valve

② Thermoelectric actuator

③ Lockshield



#### CF2 — 2-PIPE SYSTEM

Heating or cooling with a single circuit. A simple and economical solution for most commercial facilities.



#### CF4 — 4-PIPE SYSTEM

Different zones can be heated and cooled simultaneously. Maximum comfort and flexibility.

# ACCESSORIES

A wide range of accessories ensures convenient control, precise temperature regulation and smooth system operation.

## 01 THERMOSTATIC VALVE TVSP15



- Working temperature -10°C -120°C
- Thread 1/2"
- Pressure class PN10
- Kvs - 2,0

## 02 SHUT-OFF VALVE (STRAIGHT) LS15



- Working temperature -10°C -120°C
- Thread 1/2"
- Pressure class PN10
- Kvs - 2,0

## 03 SHUT-OFF VALVE (ANGLE) LA15



- Working temperature -10°C -120°C
- Thread 1/2"
- Pressure class PN10
- Kvs - 2,0

## 04 ACTUATOR FOR THERMOSTATIC VALVE A24NC



- Working voltage - 24 VAC
- Power - 2.5 W
- Protection class - IP54
- Connection thread - M30 x 1.5 mm
- Housing material PC/ABS

## 05 ROOM THERMOSTAT TC86



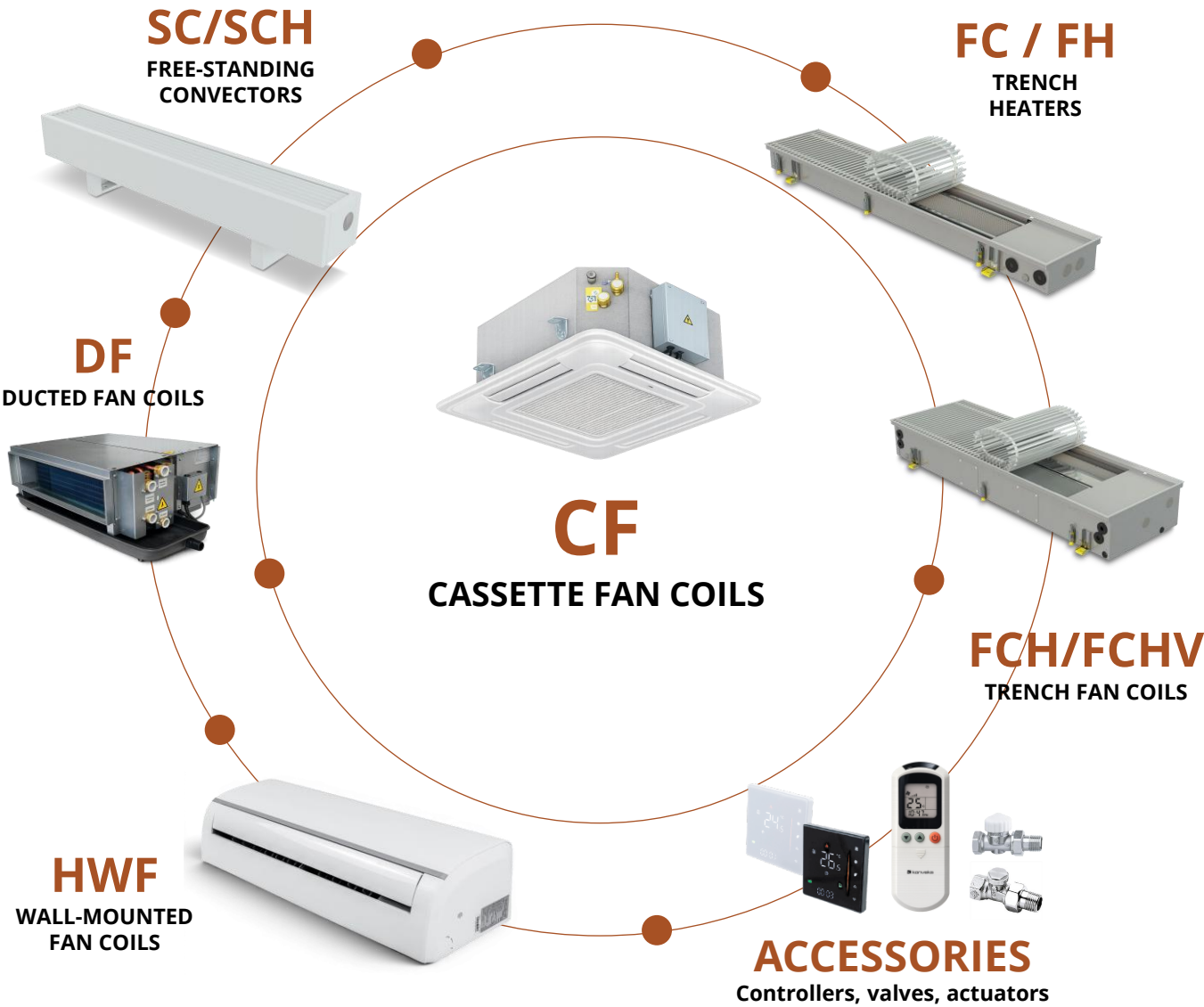
- Dimensions 88 x 88 x 43 mm
- Weekly temperature schedule programming
- Working temperature 5-35°C
- Working voltage - 24V DC, current - 3A
- Power - 1.5 W



Find the full range of accessories and technical information at [www.konveka.com](http://www.konveka.com)

# KONVEKA PRODUCT ECOSYSTEM

Integrated solutions for heating and cooling — from devices to controls and accessories. Everything you need for a comfortable and efficient building environment.



## OFFICES

For creating a comfortable work environment



## HOTELS

Reliable guest comfort



## COMMERCIAL SPACES

Flexible solutions for various purposes



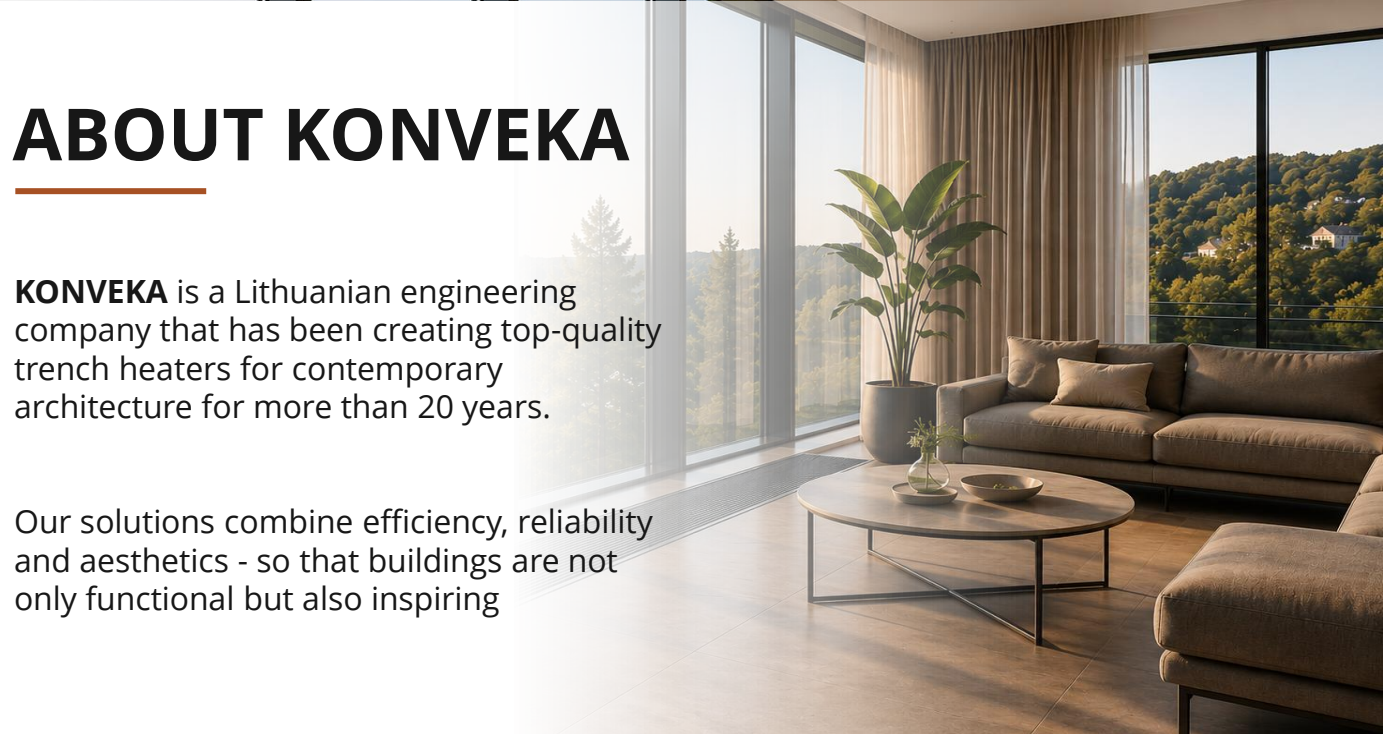
## RESIDENTIAL PROJECTS

Efficient and quiet in everyday life

# ABOUT KONVEKA

**KONVEKA** is a Lithuanian engineering company that has been creating top-quality trench heaters for contemporary architecture for more than 20 years.

Our solutions combine efficiency, reliability and aesthetics - so that buildings are not only functional but also inspiring



**20+**

**YEARS OF EXPERIENCE**

For two decades we have specialized in the field of convectors and fan coils



**30+**

**COUNTRIES**

Our products are used worldwide



**1 000+**

**COMPLETED PROJECTS**

Reliable solutions in residential, commercial and public buildings



**EUROPEAN  
ENGINEERING**

Created in Lithuania, to the highest quality standards

## OUR VALUES



**ARCHITECTURE  
FIRST**

We create products that naturally blend into modern architecture



**RELIABILITY**

Top-quality materials and strict quality control



**EFFICIENCY**

Maximum thermal efficiency and low energy consumption



**COMFORT**

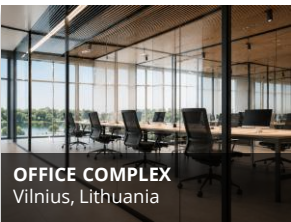
Quiet operation and even heat - for comfort every day



**FLEXIBLE  
SOLUTIONS**

A wide range for any project

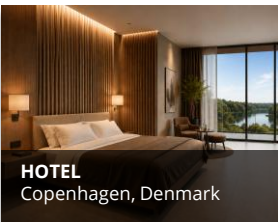
## KONVEKA SOLUTIONS - FOR CONTEMPORARY ARCHITECTURE



**OFFICE COMPLEX**  
Vilnius, Lithuania



**RESIDENTIAL COMPLEX**  
Stockholm, Sweden



**HOTEL**  
Copenhagen, Denmark



**CULTURAL CENTRE**  
Oslo, Norway



**CULTURE OF COMFORT**



[konveka.com/en](https://konveka.com/en)



[sales@konveka.lt](mailto:sales@konveka.lt)



+370 677 06303