

# BLOCK front

FAN COIL UNIT



## Proudly unique

### Modern – no maintenance hatch

- The modern architectural fan convector design leaves the suspended ceiling intact, making lighting design easier while also blending in with the decor. The only part of the device that is visible in the room is the elegantly designed grille, the colour of which can be freely selected to suit the space's colour scheme.
- The new design saves time because work stages involving the design and construction of the maintenance hatch are no longer needed.

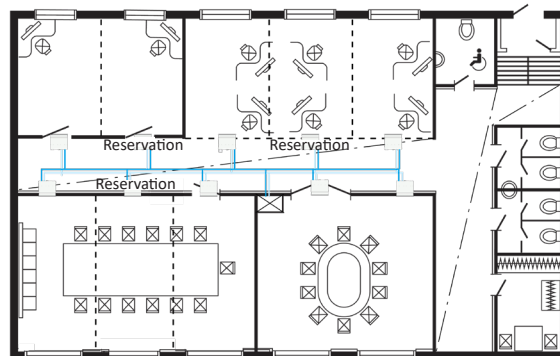
### New Easy Klik installation system

- The BLOCK front model consists of a separate mounting frame and the actual fan coil unit. This enables a two-stage installation process. The neat mounting frame can be pre-installed on-site, including water and electrical connections, with the fan coil unit put in place later when it is required.
- The frames, which are directly available from the warehouse, bring added flexibility to work and scheduling.
- The fan coil unit is not exposed to construction dust, as it can be delivered to the worksite after the completion of dusty work stages.
- The quick connectors allow the fan coil unit to be pulled out for easy maintenance and removal/replacement when necessary.

[www.chiller.eu](http://www.chiller.eu)

### Adaptable cooling

- Thanks to Block's adaptability, changes to spaces are easy to make with regard to the cooling system.
- If the system reservation made during construction is utilised, there is no need to open up surfaces or install electricity and water connections.
- The adjustable air flow direction brings added flexibility when the use of the space changes



### Optimal conditions

- The variable control of airflow and cooling water guarantee suitable cooling efficacy and constant indoor conditions.
- With the new grille solution, the direction of airflow can be adjusted sideways.

## Technical data

### Installation site

Wall mounting

### Airflow direction

Adjustable

### Cooling efficacy

Cooling efficacy ~ 1.9 kW (7Co/12Co, 24Co/50%) 35 dB 10 m<sup>2</sup> Sabine Lp(A)

### Weight

Mounting frame 15 kg + fan coil unit 29 kg = 44 kg in total

## Additional accessories

### Cooling control valve

CO: No valve, cooling

CVPT: Pressure-independent two-way control valve

CV2: Two-way valve, cooling

CV3: Three-way valve, cooling

### Cooling valve actuator

AC10: Cooling valve 0–10V control

AC24: Cooling valve 24V control

### Heating control valve

H0: No valve, heating

HV2: Two-way valve heating

HVPT: Pressure-independent 2-way control valve

### Heating valve actuator

AH10: Heating valve 0–10V control

AH24: Heating valve 24 V control

### Condensate pump

KP: Condensate pump with an alarm

KH: Gravity drainage with an alarm

KPO: Gravity drainage

## Automation

### VariPro [Modbus RTU]

#### Controller

T8: VariPro controller

T0: Control via the BMS (Modbus)

#### VariPRO room controller's front plate colour

BL: Black

WH: White

#### Digital output

DO0: No digital outputs

DO2: Circulation water pump control

DO3: Heat bypass

DO6: Control of radiator heating for a single actuator (on/off, 24V PWM)

DO9: Heater Kit – Control of radiator heating for

2–5 actuators (on/off, 24V PWM)

#### Analogue input

A10: No analogue inputs

A11: Key card/presence (default for the NC switch when the key card is in place)

A12: Switching off cooling (default NO for the switch)

A13: Switching off heating (default NO for the switch)

A14: Switching off cooling and heating (default NO for the switch)

A15: Switching off cooling, heating and fans

(default NO for the switch) A16: Generic measurement [mV]

A17: Humidity measurement [RH%]

A18: CO2 measurement [ppm]

A19: Temperature measurement [°C]

A110: Condensate alarm, switches cooling off

(Default NO for the switch)

A111: Window switch, switches cooling off (Default NO for the switch)

#### Vari

#### Controller

T7: HLS-44 controller

T5: VariTec 300 controller (no heating control)

T0: No controller; Control via the BMS (voltage)

## Dimension drawings

