

FCY

Fan coil unit for ducted installations



- Plug and play installation only in horizontal
- Reduced dimensions
- Inspectable ventilation group



DESCRIPTION

Monobloc duct type fan coils for heating and/or cooling small and medium-sized environments for civil and commercial use.

They were designed and built for flush horizontal installation in any type of 2/4 pipe system and in combination with any heat generator, also at low temperatures.

Thanks to the availability of various versions and configurations, with a standard or oversized coil, it is easy to select the optimal solution for any requirement.

FEATURES

Ventilation group

Centrifugal fans in anti-static plastic material with aerofoil profile designed to achieve high airflows and pressures whilst at the same time producing low noise.

Their characteristics permit energy savings compared to conventional fans.

They are statically and dynamically balanced and directly coupled to the motor shaft.

The electric motor is single-phase multi-speed (3 selectable), mounted on anti-vibration supports and with a permanently inserted capacitor.

The plastic augers are extractable for easy and efficient cleaning.

Heat exchanger coil

With copper pipes and aluminium fins, the standard or oversized main coil and the possible secondary coil have female gas water connections on the left side and the manifolds have air vents.

- *Reversibility of the water connections during installation only for units with a main standard or oversized coil or standard with BV accessory. Not reversible in all other configurations.*

Air filter

Where present, the **Coarse 25% Class according to ISO16890 (G2 according to EN779)** air filter, which is easy to remove and clean.

Condensate drip

In addition to the internal tray, all units are equipped with a **configurable external condensate collection tray** during installation.

The kit comprises a single element, which is made up of two pieces: the **tray** with a double drain to be installed on the right or left, and the **drip moulding**, which must be installed if mounting the valve kit and may not be used for installations without the valves with limited technical spaces.

Control

The unit's electrical box is reversible, with the option of mounting it also on the same side of the water connections.

The standard equipment includes a single 10-pin control board as an interface for the electrical connections, the preparation for the VMF series thermostat fastener and the included supply of a DIN guide for the installation of a third-party control.

GUIDE TO SELECTING THE POSSIBLE CONFIGURATIONS

Field	Description
1,2,3	FCY
4	Size 2, 3, 4, 5, 6, 7
5	Main coil (1)
0	Standard
5	Oversized
6	Secondary coil
0	Without coil
1	Standard (2)
7	Version
C	Compact
U	Universal (3)
8	Connections
D	Water connections and electrical panel on the right
G	Water connections and electrical panel on the left
L	Hydraulic connections on the left and electric connections on the opposite side
R	Hydraulic connections on the right and electric connections on the opposite side
9	Options (4)
H	Electric heater (500W)
P	With the photocatalytic device
X	No present
10	Filter
F	With air filter
X	No present

(1) Reversibility of the water connections during installation only for units with a main standard or oversized coil. They are not reversible for units with a secondary coil.

(2) Only for the standard main coil

(3) Only for sizes from 2 to 5

(4) Options "P and H" are available only in units for 2-pipe systems.

SIZE AVAILABLE FOR VERSION

C version

Size	200	201	250	300	301	350	400	401	450	500	501	550	600	601	650	700	701	750
Versions produced (by size)																		
Versions available (by size)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Version U

Size	200	201	250	300	301	350	400	401	450	500	501	550
Versions produced (by size)												
Versions available (by size)	*	*	*	*	*	*	*	*	*	*	*	*

INSTALLATION VERSIONS AND EXAMPLES

C: Compact version.

Compact structure with opposed intake and delivery lines, for an "H"-shaped configuration.

The unit is provided without openings and without flanges, which can be purchased separately as an accessory.

The delivery and intake part of the structure is designed to house flanges of Ø 200 mm (or Ø 160 mm) and one of the intake flanges can be replaced by a Ø 125 or 100 mm flange for the intake of outside air.

On the side, it can house Ø 125 or 100 mm flanges for the intake of outside air for delivery.

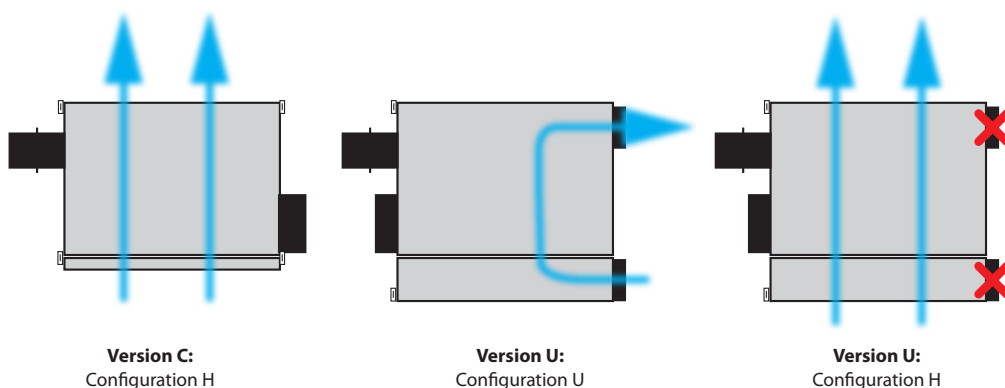
U: Universal version.

Structure for the "U" configuration with intake and delivery on the same side, opposite of the side with the water connections and the electrical panel box.

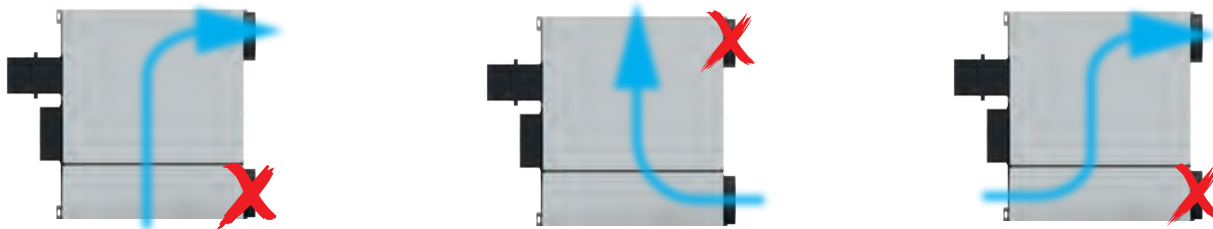
The unit is supplied with Ø 200 mm delivery and intake flanges.

The delivery and intake part of the structure is designed to house flanges of Ø 200 mm (or Ø 160 mm) and one of the intake or delivery flanges can be replaced by a Ø 125 or 100 mm flange for the intake of outside air.

This version is called universal because it guarantees the possible installations permitted by the C version and adds additional possibilities.



POSSIBLE ALTERNATIVE CONFIGURATIONS OF THE U VERSION



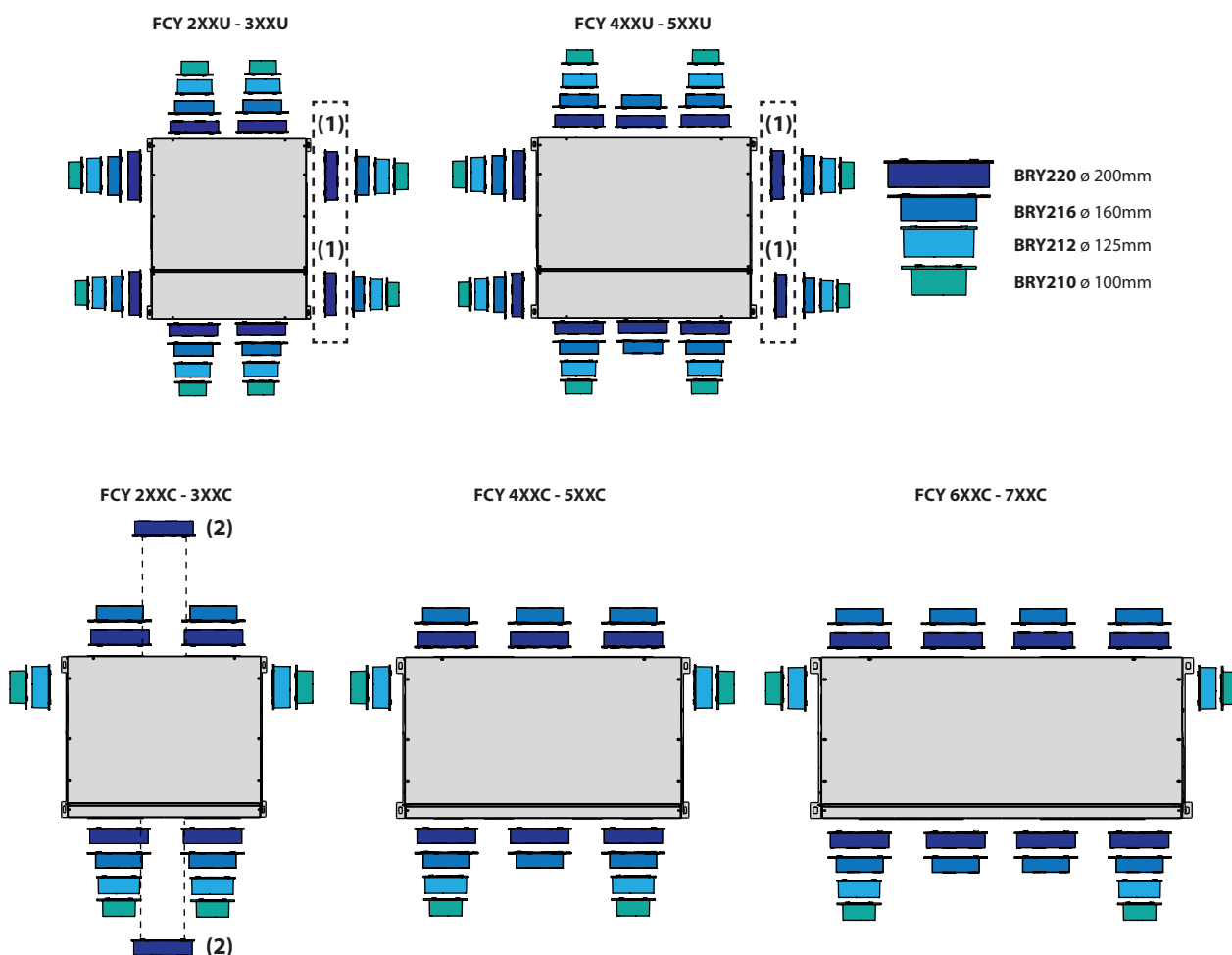
The performance data for the configurations shown here are equal to those for the U version in the U configuration.

POSSIBLE POSITIONS FOR THE INSTALLATION OF THE BRY ACCESSORIES

In every unit it is possible to use a maximum of one flange accessory for the intake of outside air (BRY210 or BRY212). The number and position of the preparations for the installation of the BRY accessories varies based on the unit size and version.

The standard **U version unit** is supplied with **2 installed flanges (diameter 200 mm)** in the U configuration.

The standard **C version unit** is supplied **without flanges**, which can be purchased separately as an accessory.



- 1 Accessories **BRY220** supplied installed with the standard unit in the U version
- 2 There is a central preparation for the installation of an accessory BRY220 as an alternative to using the two more external preparations.

For the C version: it is necessary to use a number of recirculation air preparations **at least equal to the maximum number possible for the size selected less 1**.

Example: for FCY6xxC it is necessary to open at least 3 flange preparations for intake recirculation air and 3 flange preparations for delivery recirculation air (= maximum number - 1).

In both versions if the number of intake/delivery flanges used is less than the maximum possible for the considered size, their diameter must be 200 mm (BRY220).

For more information about the possible configurations for both versions, refer to the unit's selection software.

ACCESSORIES

Control panels

AER503IR: Flush-mounting thermostat with backlit display, capacitive keypad and infrared receiver, for controlling both brushless fan coils and those with an asynchronous motor. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices (Cold Plasma and germicidal lamp), with radiant plate or with FCZ-D twin delivery (Dualjet). In addition, it can control systems with radiant panels or mixed (fan coil and radiant floor) systems. Being equipped with an infrared receiver, it can, in turn, be controlled by the VMF-IR remote control.

SA5: air probe kit (L = 15 m) with probe-locking cable grommet.

SIT3: Thermostat Interface Card allowing the creation of a network of fan coils (max. 10) commanded by a central control panel (selector or thermostat). Commands the 3 fan speeds and must be installed on each fan coil within the network; receives the commands from the selector or the SIT5 card.

SIT5: Thermostat Interface Card allowing the creation of a network of fan coils (max. 10) commanded by a central control panel. Commands the 3 fan speeds and up to 2 valves (four pipe systems); sends the thermostat's commands to the fan coil network.

SW3: Water probe (L = 2.5 m) for controlling the minimum and maximum and to allow automatic seasonal switching for electronic thermostats fitted with water side changeover.

SW5: water probe kit (L = 15m) with probe-holder connection point, fixing clip and probe-holder from heat exchanger.

TX: Wall-mounting thermostat for controlling either brushless fan coils or those with asynchronous motors. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices, radiant plate or FCZ-D twin delivery (Dualjet).

VMF system

VMF-E19: Thermostat to be secured to the side of the fan coil, fitted as standard with an air probe and a water probe.

VMF-E3: Wall mounted user interface, to be combined with accessories VMF-E19, VMF-E19I, VMF-E0X with grids GLF_N/M and GLL_N, can be controlled with VMF-IR control.

VMF-E4DX: Wall-mounted user interface. Grey front panel PANTONE 425C (METAL).

VMF-E4X: Wall-mounted user interface. Light grey front panel PANTONE COOL GRAY 1C.

VMF-IR: User interface compatible with the AER503IR thermostat and with all the grids of cassettes equipped with the infrared receiver compatible with the VMF system.

VMF-SW: Water temperature probe.

VMF-SW1: Extra water probe to be used for 4-pipe systems.

Valves for main coil

VCY41 - 42 - for main coil: 3-way motorised valve kit for the main coil. The kit consists of a valve, an actuator and the relative pipe fittings. It can be installed on fan coils with both right and left hydraulic connections.

VCYD for main and secondary coil: The 2-way motorised valve kit for the primary or secondary coil or an additional optional heat only coil. The kit consists of a valve, the actuator and the corresponding hydraulic fittings. It can be installed both on fan coils with right-hand and left-hand connections.

VDP15HF: Combined adjustment and balancing valve, for 2 and 4 pipe systems to be installed outside the unit. It is comprised of a valve body without nipples with Ø 3/4" M water connections, a 230 V powered actuator with On-Off function and a 5 m power supply cable. The valve is supplied without connections or hydraulic components.

VDP15HF24: Combined adjustment and balancing valve, for 2 and 4 pipe systems to be installed outside the unit. It is comprised of a valve body without nipples with Ø 3/4" M water connections, a 24 V powered actuator with On-Off function and a 5 m power supply cable. The valve is supplied without connections or hydraulic components.

VDP15HFM: Combined adjustment and balancing valve, for 2 and 4 pipe systems to be installed outside the unit. It is comprised of a valve body without nipples with Ø 3/4" M water connections, a 24 V powered

actuator with modulating function and a 5 m power supply cable. The valve is supplied without connections or hydraulic components.

Valves for secondary coil

VCY44 - for the secondary coil: 3-way motorized valve kit for hot only coil. The kit consists of a valve, actuator and relative hydraulic fittings, it is suitable for installation on both fan coils with hydraulic connections on the right and left.

VCYD for main and secondary coil: The 2-way motorised valve kit for the primary or secondary coil or an additional optional heat only coil. The kit consists of a valve, the actuator and the corresponding hydraulic fittings. It can be installed both on fan coils with right-hand and left-hand connections.

Additional hot water coil.

BV: Single row hot water heat exchanger.

Valve support kit

KITVPI: Main coil VDP valve support kit. The kit consists of a bracket for supporting the valve and the corresponding hydraulic fittings.

KITVPI12H: VDP valve support kit for the secondary coil. The kit consists of a bracket for supporting the valve and the corresponding hydraulic fittings.

Installation accessories

BDP: 200 mm plug.

BRY: Flange with hydraulic "spigot" connection.

GMYC: Plate flange that makes it possible to install the accessory GM either in the intake section or in the delivery section. The accessory is comprised of a plate flange with gasket and 4 screws to fasten it to the unit.

AFY: the kit is comprised of a Coarse 25% class filter according to ISO16890 (G2 according to EN779) and four fastening brackets to insert in the grille GM17. To be used together with fan coils supplied without a filter installed in unit "X".

GM17YU: Plate flange that makes it possible to install the accessory GM17 either in the intake section or in the delivery section. The accessory is comprised of a plate flange with gasket and 4 screws to fasten it to the unit.

DSC: Condensate drainage device.

BC: Condensate drip.

DAYKIT: Air deflector for U versions. To be installed in the delivery plenum, on the side opposite the air outlet, to facilitate the flow towards the delivery opening.

AMPY: Additional brackets for ceiling mount. Only for "U" version.

Accessories in multiple packages

DFA: Size of filter halved on the short side. The kit is comprised of two filters with a length equal to the standard filter and with half the height. This facilitates filter cleaning and/or replacement operations if there is a reduced space for vertical extraction. 20 piece package.

PPB: Protection for flanges to be used during installation to prevent dust from entering the unit before connecting the ducts. To be removed when making the connection. 100 piece package.

CHR12: Hydraulic connection kit for Ø 1/2" two-way valves, with soft coil side O-ring seal and with a flat plate and system side gasket, which can also be used for installing flat seal two-way valves. 50 piece package.

CHR34: Hydraulic connection kit for Ø 3/4" two-way valves, with soft coil side O-ring seal and with a flat plate and system side gasket, which can also be used for installing flat seal two-way valves. 30 piece package.

ACCESSORIES COMPATIBILITY

Control panels and dedicated accessories

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	600	601	650	700	701	750
AER503IR (1)	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SA5 (2)	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SIT3 (3)	C,U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SIT5 (4)	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SW3 (2)	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SW5 (2)	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
TX (1)	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

(1) Wall-mount installation.

(2) Probe for AER503IR-TX thermostats, if fitted.

(3) Cards for AER503IR-TX thermostats, if present, to be installed if the unit absorption exceeds 0,7 Ampere.

(4) Probe for AER503IR-TX thermostats, if fitted.

VMF system

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	600	601	650	700	701	750
VMF-E19	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
VMF-E3	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
VMF-E4DX	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
VMF-E4X	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
VMF-IR	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
VMF-SW	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
VMF-SW1	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Additional heat only coil for only option "X" (without an electric heater and without a photocatalytic device)

Ver	200	201	250	300	301	350	400	401	450	500	501	550	600	601	650	700	701	750
C	BV122	-	-	BV132	-	-	BV142	-	-	BV142	-	-	BVZ800	-	-	BVZ800	-	-
U	BV122	-	-	BV132	-	-	BV142	-	-	BV142	-	-	-	-	-	-	-	-

Combined adjustment and balancing valve

	200	201	250	300	301	350	400	401	450
Main coil	VDP15HF	VDP15HF	VDP15HF	VDP15HF	VDP15HF	VDP15HF	VDP15HF	VDP15HF	VDP15HF
	VDP15HF24	VDP15HF24	VDP15HF24	VDP15HF24	VDP15HF24	VDP15HF24	VDP15HF24	VDP15HF24	VDP15HF24
	VDP15HFM	VDP15HFM	VDP15HFM	VDP15HFM	VDP15HFM	VDP15HFM	VDP15HFM	VDP15HFM	VDP15HFM
Secondary coil	-	VDP15HF	-	-	VDP15HF	-	-	VDP15HF	-
	-	VDP15HF24	-	-	VDP15HF24	-	-	VDP15HF24	-
	-	VDP15HFM	-	-	VDP15HFM	-	-	VDP15HFM	-
Additional coil "BV"	VDP15HF	-	-	VDP15HF	-	-	VDP15HF	-	-
	VDP15HF24	-	-	VDP15HF24	-	-	VDP15HF24	-	-
	VDP15HFM	-	-	VDP15HFM	-	-	VDP15HFM	-	-
	500	501	550	600	601	650	700	701	750
Main coil	VDP15HF	VDP15HF	VDP15HF	VDP15HF	VDP15HF	VDP15HF	VDP15HF	VDP15HF	VDP15HF
	VDP15HF24	VDP15HF24	VDP15HF24	VDP15HF24	VDP15HF24	VDP15HF24	VDP15HF24	VDP15HF24	VDP15HF24
	VDP15HFM	VDP15HFM	VDP15HFM	VDP15HFM	VDP15HFM	VDP15HFM	VDP15HFM	VDP15HFM	VDP15HFM
Secondary coil	-	VDP15HF	-	-	VDP15HF	-	-	VDP15HF	-
	-	VDP15HF24	-	-	VDP15HF24	-	-	VDP15HF24	-
	-	VDP15HFM	-	-	VDP15HFM	-	-	VDP15HFM	-
Additional coil "BV"	VDP15HF	-	-	VDP15HF	-	-	VDP15HF	-	-
	VDP15HF24	-	-	VDP15HF24	-	-	VDP15HF24	-	-
	VDP15HFM	-	-	VDP15HFM	-	-	VDP15HFM	-	-

Valves combinations for main and secondary coil

3-way valve kit - main and secondary coil or accessory BV coil

	200	201	250	300	301	350	400	401	450	500	501	550	600	601	650	700	701	750
Main coil	VCY41	VCY41	VCY41	VCY42	VCY42	VCY42	VCY42	VCY42	VCY42	VCY42	VCY42	VCY42	VCY42	VCY42	VCY42	VCY42	VCY42	VCY42
	VCY4124	VCY4124	VCY4124	VCY4224	VCY4224	VCY4224	VCY4224	VCY4224	VCY4224	VCY4224	VCY4224	VCY4224	VCY4224	VCY4224	VCY4224	VCY4224	VCY4224	VCY4224
Secondary coil	-	VCY44	-	-	VCY44	-	-	VCY44	-	-	VCY44	-	-	VCY44	-	-	VCY44	-
	-	VCY4424	-	-	VCY4424	-	-	VCY4424	-	-	VCY4424	-	-	VCY4424	-	-	VCY4424	-
Additional coil "BV"	VCY44	-	-	VCY44	-	-	VCY44	-	-	VCY44	-	-	VCY44	-	-	VCY44	-	-
	VCY4424	-	-	VCY4424	-	-	VCY4424	-	-	VCY4424	-	-	VCY4424	-	-	VCY4424	-	-

2-way valve kit - main and secondary coil or accessory BV coil

	200	201	250	300	301	350	400	401	450	500	501	550	600	601	650	700	701	750
Main coil	VCYD1	VCYD1	VCYD1	VCYD2	VCYD2	VCYD2	VCYD2	VCYD2	VCYD2	VCYD2	VCYD2	VCYD2	VCYD2	VCYD2	VCYD2	VCYD2	VCYD2	VCYD2
	VCYD124	VCYD124	VCYD124	VCY224	VCY224	VCY224	VCY224	VCY224	VCY224	VCY224	VCY224	VCY224	VCY224	VCY224	VCY224	VCY224	VCY224	VCY224
Secondary coil	-	VCYD1	-	-	VCYD1	-	-	VCYD1	-	-	VCYD1	-	-	VCYD1	-	-	VCYD1	-
	-	VCYD124	-	-	VCYD124	-	-	VCYD124	-	-	VCYD124	-	-	VCYD124	-	-	VCYD124	-
Additional coil "BV"	VCYD1	-	-	VCYD1	-	-	VCYD1	-	-	VCYD1	-	-	VCYD1	-	-	VCYD1	-	-
	VCYD124	-	-	VCYD124	-	-	VCYD124	-	-	VCYD124	-	-	VCYD124	-	-	VCYD124	-	-

Valve support kit

Main coil VDP valve support kit.

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	600	601	650	700	701	750
KITVPI12 (1)	C,U	•	•	•															
	C				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
KITVPI34 (2)	U				•	•	•	•	•	•	•	•	•						

(1) Connections Ø 1/2"

(2) Connections Ø 3/4"

Secondary coil VDP valve support kit.

	200	201	250	300	301	350	400	401	450	500	501	550	600	601	650	700	701	750
Main coil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Secondary coil	-	KITVPI12H	-	-	KITVPI12H	-	-	KITVPI12H	-	-	KITVPI12H	-	-	KITVPI12H	-	-	KITVPI12H	-
Additional coil "BV"	KITVPI12H	-	-	KITVPI12H	-	-	KITVPI12H	-	-	KITVPI12H	-	-	KITVPI12H	-	-	KITVPI12H	-	-
	700	701	750															
Main coil	-	-	-															
Secondary coil	-	KITVPI12H	-															
Additional coil "BV"	KITVPI12H	-	-															

Connections ø 1/2"

Installation accessories

Plastic caps

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	600	601	650	700	701	750
BDP200	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	U	•	•	•	•	•	•	•	•	•	•	•	•						

Flange

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	600	601	650	700	701	750
BRY210 (1)	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	U	•	•	•	•	•	•	•	•	•	•	•	•						
BRY212 (2)	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	U	•	•	•	•	•	•	•	•	•	•	•	•						
BRY216 (3)	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	U	•	•	•	•	•	•	•	•	•	•	•	•						
BRY220 (4)	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	U	•	•	•	•	•	•	•	•	•	•	•	•						

(1) Ø 100 mm

(2) Ø 125 mm

(3) Ø 160 mm

(4) Ø 200 mm

Flange for the installation of the delivery grille GM

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	600	601	650	700	701	750
GMV200C (1)	C	•	•	•															
GMV300C (1)	C				•	•	•												
GMV400C (1)	C							•	•	•	•	•	•						
GMV600C (1)	C													•	•	•	•	•	•

(1) only for "C" version.

Flange for the installation of the grille GM17

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	600	601	650	700	701	750
GMVU (1)	U	•	•	•	•	•	•	•	•	•	•	•	•						

(1) Only for "U" version with connections "G and D".

Coarse 25% class air filter kit according to ISO16890 (G2 according to EN779)

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	600	601	650	700	701	750
AFY100 (1)	U	*	*	*	*	*	*	*	*	*	*	*	*						

(1) To be used with fan coils supplied without a filter installed in unit "X" and in association with GM17 and GMYU.

Air deflector

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	600	601	650	700	701	750
DAYKIT	U	*	*	*	*	*	*	*	*	*	*	*	*						

Brackets for ceiling mount.

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	600	601	650	700	701	750
AMPY (1)	U	*	*	*	*	*	*	*	*	*	*	*	*						

(1) Only for "U" version.

Condensate discharge device kit

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	600	601	650	700	701	750
DSC6 (1)	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*						

(1) Only for "L and R" connections.

Condensate drip

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	600	601	650	700	701	750
BC8 (1)	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*						

(1) For horizontal installation.

Accessories in multiple packages**Hydraulic connection kit**

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	600	601	650	700	701	750
CHR12 (1)	C,U	*	*	*															
CHR34 (2)	C				*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U				*	*	*	*	*	*	*	*	*						

(1) Hydraulic connections Ø 1/2"

(2) Hydraulic connections Ø 3/4"

Half-size filter kit

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	600	601	650	700	701	750
DFA2	C,U	*	*	*															
DFA3	C,U				*	*	*												
DFA5	C,U							*	*	*	*	*	*						
DFA7	C													*	*	*	*	*	*

Protection for flange

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	600	601	650	700	701	750
PPB	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*						

PERFORMANCE DATA - FCY_C AND FCY_U (CONFIGURATION OF THE H NOZZLES) - 2 PIPES

2-pipe

		FCY200C			FCY250C			FCY300C			FCY350C			FCY400C			FCY450C		
		2	4	6	2	4	6	1	4	6	1	4	6	1	3	6	1	3	6
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 70 °C / 60 °C (1)																			
Heating capacity	kW	2,11	3,00	3,32	2,29	3,24	3,60	3,50	5,03	5,45	3,80	5,59	6,10	4,49	6,02	6,74	4,79	6,62	7,40
Water flow rate system side	l/h	182	258	285	197	279	310	301	433	469	327	481	524	386	517	580	412	569	637
Pressure drop system side	kPa	7	12	15	9	16	19	8	15	18	9	18	21	11	18	22	7	12	15
Heating performance 45 °C / 40 °C (2)																			
Heating capacity	kW	1,05	1,49	1,65	1,14	1,61	1,79	1,74	2,50	2,71	1,89	2,78	3,03	2,23	2,99	3,35	2,38	3,29	3,68
Water flow rate system side	l/h	160	224	248	196	277	308	299	430	466	325	478	521	383	514	576	409	566	633
Pressure drop system side	kPa	7	12	15	9	16	19	8	15	18	9	17	20	11	18	22	7	12	15
Cooling performance 7 °C / 12 °C (3)																			
Cooling capacity	kW	0,93	1,30	1,44	1,11	1,59	1,74	1,70	2,40	2,63	1,91	2,77	3,00	2,29	3,06	3,41	2,51	3,37	3,79
Sensible cooling capacity	kW	0,74	1,14	1,18	0,83	1,23	1,36	1,27	1,86	2,03	1,34	1,99	2,16	1,66	2,24	2,52	1,76	2,42	2,73
Water flow rate system side	l/h	160	224	248	191	273	299	292	413	452	328	476	516	394	526	586	432	580	652
Pressure drop system side	kPa	8	13	15	10	18	21	9	16	18	11	21	25	11	18	22	11	16	20
Fan																			
Type	type	Centrifugal																	
Fan motor	type	Asynchronous																	
Air flow rate	m³/h	148	226	254	148	226	254	263	404	446	263	404	446	346	487	559	346	487	559
High static pressure	Pa	21	50	63	21	50	63	21	50	61	21	50	61	25	50	66	25	50	66
Sound power level (inlet + radiated)	dB(A)	41,0	56,0	59,0	41,0	56,0	59,0	39,0	51,0	54,0	39,0	51,0	54,0	44,0	54,0	55,0	44,0	54,0	55,0
Sound power level (outlet)	dB(A)	37,0	52,0	55,0	37,0	52,0	55,0	35,0	47,0	49,0	35,0	47,0	49,0	40,0	50,0	52,0	40,0	50,0	52,0
Input power	W	28	41	74	28	41	74	38	55	78	38	55	78	53	63	102	53	63	102
Water coil																			
Water content	l	0,50			0,70			0,80			1,00			1,00			1,40		
Diameter hydraulic fittings																			
Main coil	Ø	1/2"			1/2"			3/4"			3/4"			3/4"			3/4"		
Power supply																			
Power supply		230V~50Hz																	
		FCY500C			FCY550C			FCY600C			FCY650C			FCY700C			FCY750C		
		1	5	6	1	5	6	1	4	7	1	4	7	2	5	7	2	5	7
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 70 °C / 60 °C (1)																			
Heating capacity	kW	5,27	7,22	7,59	5,81	8,25	8,67	6,86	8,55	10,00	7,63	9,72	11,51	8,77	10,10	10,52	10,02	11,65	12,09
Water flow rate system side	l/h	453	621	652	500	709	746	590	735	860	656	836	990	754	868	905	862	1002	1040
Pressure drop system side	kPa	12	21	23	10	19	21	13	20	26	15	23	31	19	25	27	12	15	16
Heating performance 45 °C / 40 °C (2)																			
Heating capacity	kW	2,62	3,59	3,77	2,89	4,10	4,31	3,41	4,25	4,97	3,79	4,83	5,72	4,36	5,02	5,23	4,98	5,79	6,01
Water flow rate system side	l/h	451	617	648	497	705	741	586	731	855	652	831	984	750	863	899	856	996	1034
Pressure drop system side	kPa	12	21	23	10	19	21	13	19	25	15	23	31	19	25	27	12	15	16
Cooling performance 7 °C / 12 °C (3)																			
Cooling capacity	kW	2,68	3,65	3,82	2,91	4,08	4,28	3,37	4,08	4,65	4,15	5,02	5,67	4,24	4,97	5,18	4,69	5,53	5,80
Sensible cooling capacity	kW	1,94	2,70	2,83	2,07	2,94	3,09	2,70	3,34	3,92	2,93	3,60	4,12	3,24	3,83	4,02	3,53	4,20	4,41
Water flow rate system side	l/h	461	628	657	500	702	736	580	702	800	714	863	975	729	855	891	807	951	997
Pressure drop system side	kPa	13	22	24	12	21	23	15	21	26	16	23	28	20	26	28	12	16	17
Fan																			
Type	type	Centrifugal																	
Fan motor	type	Asynchronous																	
Air flow rate	m³/h	400	592	627	400	592	627	567	770	920	567	770	920	785	978	1050	785	978	1050
High static pressure	Pa	22	50	56	22	50	56	27	50	71	27	50	71	32	50	58	32	50	58
Sound power level (inlet + radiated)	dB(A)	45,0	55,0	57,0	45,0	55,0	57,0	46,0	56,0	61,0	46,0	56,0	61,0	54,0	60,0	62,0	54,0	60,0	62,0
Sound power level (outlet)	dB(A)	41,0	51,0	53,0	41,0	51,0	53,0	44,0	54,0	60,0	44,0	54,0	60,0	52,0	59,0	61,0	52,0	59,0	61,0
Input power	W	49	80	96	49	80	96	66	89	118	66	89	118	92	117	138	92	117	138
Water coil																			
Water content	l	1,00			1,40			1,20			1,60			1,20			1,60		
Diameter hydraulic fittings																			
Main coil	Ø	3/4"																	
Power supply																			
Power supply		230V~50Hz																	

(1) Room air temperature 20 °C d.b.; Water (in/out) 70 °C/60 °C

(2) Room air temperature 20 °C d.b.; Water (in/out) 45 °C/40 °C; EUROVENT

(3) Room air temperature 27 °C d.b./19 °C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT

Refer to the selection software for performance data related to the different configurations.

PERFORMANCE DATA FCY_C AND FCY_U (CONFIGURATION OF THE H NOZZLES) - 4 PIPES

4-pipe

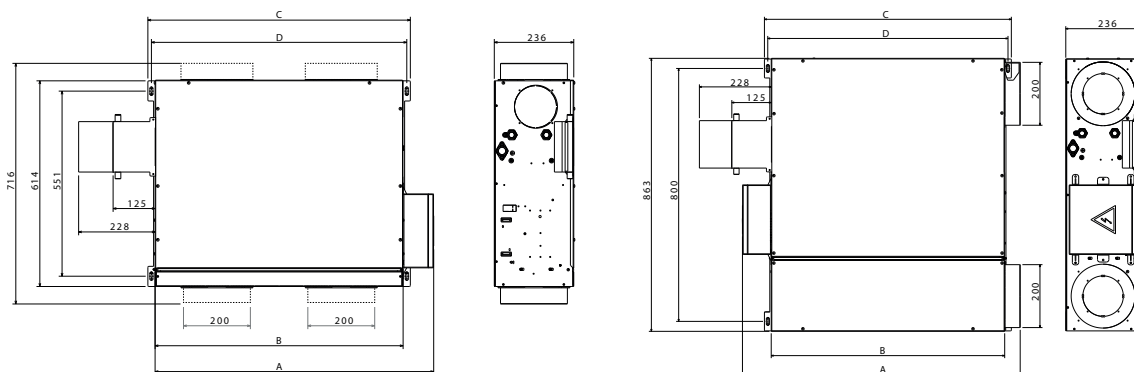
		FCY201C			FCY301C			FCY401C			FCY501C			FCY601C			FCY701C		
		2	4	6	1	4	6	1	3	6	1	5	6	1	4	7	2	5	7
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 65 °C / 55 °C (1)																			
Heating capacity	kW	1,06	1,37	1,48	1,82	2,39	2,55	2,19	2,75	2,99	2,59	3,30	3,34	3,13	3,85	4,35	4,13	4,40	4,60
Water flow rate system side	l/h	93	120	130	159	210	223	192	240	262	226	290	301	274	336	381	361	385	403
Pressure drop system side	kPa	5	8	9	8	12	14	5	7	8	6	9	9	9	13	16	16	15	17
Cooling performance 7 °C / 12 °C (2)																			
Cooling capacity	kW	0,93	1,30	1,44	1,70	2,40	2,63	2,29	3,06	3,41	2,68	3,65	3,82	3,37	4,08	4,65	4,24	4,97	5,18
Sensible cooling capacity	kW	0,74	1,14	1,18	1,27	1,86	2,03	1,66	2,24	2,52	1,94	2,70	2,83	2,70	3,34	3,92	3,24	3,83	4,02
Water flow rate system side	l/h	160	224	248	292	413	452	394	526	586	461	628	657	580	702	800	729	855	891
Pressure drop system side	kPa	8	13	15	9	16	18	11	18	22	13	22	24	15	21	26	20	26	28
Fan																			
Type	type	Centrifugal																	
Fan motor	type	Asynchronous																	
Air flow rate	m³/h	148	226	254	263	404	446	346	487	559	400	592	627	567	770	920	785	978	1050
High static pressure	Pa	21	50	63	21	50	61	25	50	66	22	50	56	27	50	71	32	50	58
Sound power level (inlet + radiated)	dB(A)	41,0	56,0	59,0	39,0	51,0	54,0	44,0	54,0	55,0	45,0	55,0	57,0	46,0	56,0	61,0	54,0	60,0	62,0
Sound power level (outlet)	dB(A)	37,0	52,0	55,0	35,0	47,0	49,0	40,0	50,0	52,0	41,0	51,0	53,0	44,0	54,0	60,0	52,0	59,0	61,0
Input power	W	28	41	74	38	55	78	53	63	102	49	80	96	66	89	118	92	117	138
Diameter hydraulic fittings																			
Main coil	Ø	1/2"			3/4"			3/4"			3/4"			3/4"			3/4"		
Secondary coil	Ø	1/2"																	
Power supply																			
Power supply		230V~50Hz																	

(1) Room air temperature 20°C d.b.; Water (in/out) 65 °C/55 °C; EUROVENT

(2) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT

Refer to the selection software for performance data related to the different configurations.

DIMENSIONS



FCY - C

Size		200	201	250	300	301	350	400	401	450	500	501	550	600	601	650	700	701	750
Dimensions and weights																			
A	mm	598	598	598	829	829	829	1050	1050	1050	1050	1050	1050	1171	1171	1171	1171	1171	1171
B	mm	507	507	507	735	735	735	960	960	960	960	960	960	1080	1080	1080	1080	1080	1080
C	mm	550	550	550	781	781	781	1003	1003	1003	1003	1003	1003	1122	1122	1122	1122	1122	1122
D	mm	529	529	529	760	760	760	982	982	982	982	982	982	1100	1100	1100	1100	1100	1100
Empty weight	kg	19	20	21	23	24	26	31	32	33	31	32	33	41	43	46	41	43	46

FCY - U

Size		200	201	250	300	301	350	400	401	450	500	501	550
Dimensions and weights													
A	mm	647	647	647	878	878	878	1100	1100	1100	1100	1100	1100
B	mm	508	508	508	739	739	739	960	960	960	960	960	960
C	mm	550	550	550	781	781	781	1003	1003	1003	1003	1003	1003
D	mm	529	529	529	760	760	760	982	982	982	982	982	982
Empty weight	kg	22	23	24	26	27	29	35	36	37	35	36	37

Aermec reserves the right to make any modifications deemed necessary.

All data is subject to change without notice. Aermec does not assume responsibility or liability for errors or omissions.

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FCYI

Fan coil unit for ducted installations

- Plug and play installation only in horizontal
- Reduced dimensions
- Inspectable ventilation group



DESCRIPTION

Monobloc duct type fan coils for heating and/or cooling small and medium-sized environments for civil and commercial use.

They were designed and built for flush horizontal installation in any type of 2/4 pipe system and in combination with any heat generator, also at low temperatures.

Thanks to the availability of various versions and configurations, with a standard or oversized coil, it is easy to select the optimal solution for any requirement.

FEATURES

Ventilation group

Centrifugal fans in anti-static plastic material with aerofoil profile designed to achieve high airflows and pressures whilst at the same time producing low noise.

Their characteristics permit energy savings compared to conventional fans.

They are statically and dynamically balanced and directly coupled to the motor shaft.

The Brushless electric motor with 0-100% continuous speed variation, which allows precise adaptation to the real demands of the internal environment without temperature fluctuations.

The air flow can be continuously changed through a 1-10 V signal, coming from adjustment and control commands Aermec or from independent adjustment systems.

This lowers noise and generates a better response to heat loads and a higher stability in the desired temperature inside the room.

The high efficiency even with low speed, makes it possible to reduce power consumption (more than 50% less than fan coils with traditional motors).

The plastic augers are extractable for easy and efficient cleaning.

Heat exchanger coil

With copper pipes and aluminium fins, the standard or oversized main coil and the possible secondary coil have female gas water connections on the left side and the manifolds have air vents.

- *Reversibility of the water connections during installation only for units with a main standard or oversized coil or standard with BV accessory. Not reversible in all other configurations.*

Air filter

Where present, the **Coarse 25% Class according to ISO16890 (G2 according to EN779)** air filter, which is easy to remove and clean.

Condensate drip

In addition to the internal tray, all units are equipped with a **configurable external condensate collection tray** during installation.

The kit comprises a single element, which is made up of two pieces: the **tray** with a double drain to be installed on the right or left, and the **drip moulding**, which must be installed if mounting the valve kit and may not be used for installations without the valves with limited technical spaces.

Control

The unit's electrical box is reversible, with the option of mounting it also on the same side of the water connections.

The standard equipment includes a single 10-pin control board as an interface for the electrical connections, the preparation for the VMF series thermostat fastener and the included supply of a DIN guide for the installation of a third-party control.

GUIDE TO SELECTING THE POSSIBLE CONFIGURATIONS

Field	Description
1,2,3,4	FCYI
5	Size 2, 3, 4, 5, 7
6	Main coil (1)
0	Standard
5	Oversized
7	Secondary coil
0	Without coil
1	Standard (2)
8	Version
C	Compact
U	Universal (3)
9	Connections
D	Water connections and electrical panel on the right
G	Water connections and electrical panel on the left
L	Hydraulic connections on the left and electric connections on the opposite side
R	Hydraulic connections on the right and electric connections on the opposite side
10	Options (4)
H	Electric heater (500W)
P	With the photocatalytic device
X	No present
11	Filter
F	With air filter
X	No present

(1) Reversibility of the water connections during installation only for units with a main standard or oversized coil. They are not reversible for units with a secondary coil.

(2) Only for the standard main coil

(3) Only for sizes from 2 to 5

(4) Options "P and H" are available only in units for 2-pipe systems.

SIZE AVAILABLE FOR VERSION

C version

Size	200	201	250	300	301	350	400	401	450	500	501	550	700	701	750
Versions produced (by size)															
Versions available (by size)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Version U

Size	200	201	250	300	301	350	400	401	450	500	501	550
Versions produced (by size)												
Versions available (by size)	*	*	*	*	*	*	*	*	*	*	*	*

INSTALLATION VERSIONS AND EXAMPLES

C: Compact version.

Compact structure with opposed intake and delivery lines, for an "H"-shaped configuration.

The unit is provided without openings and without flanges, which can be purchased separately as an accessory.

The delivery and intake part of the structure is designed to house flanges of Ø 200 mm (or Ø 160 mm) and one of the intake flanges can be replaced by a Ø 125 or 100 mm flange for the intake of outside air.

On the side, it can house Ø 125 or 100 mm flanges for the intake of outside air for delivery.

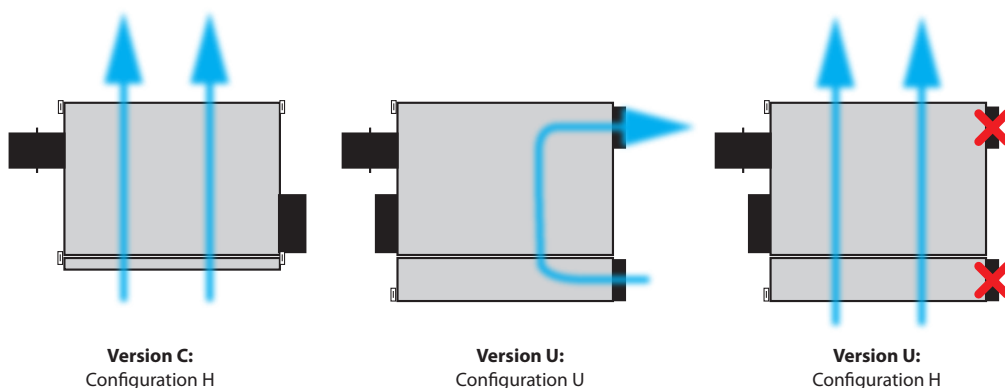
U: Universal version.

Structure for the "U" configuration with intake and delivery on the same side, opposite of the side with the water connections and the electrical box.

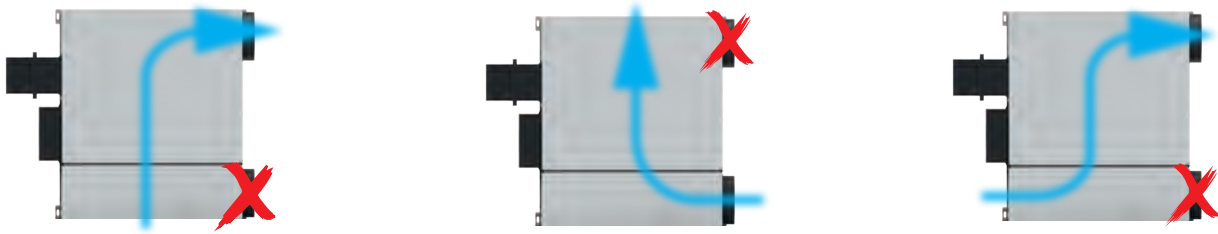
The unit is supplied with Ø 200 mm delivery and intake flanges.

The delivery and intake part of the structure is designed to house flanges of Ø 200 mm (or Ø 160 mm) and one of the intake or delivery flanges can be replaced by a Ø 125 or 100 mm flange for the intake of outside air.

This version is called universal because it guarantees the possible installations permitted by the C version and adds additional possibilities.



POSSIBLE ALTERNATIVE CONFIGURATIONS OF THE U VERSION



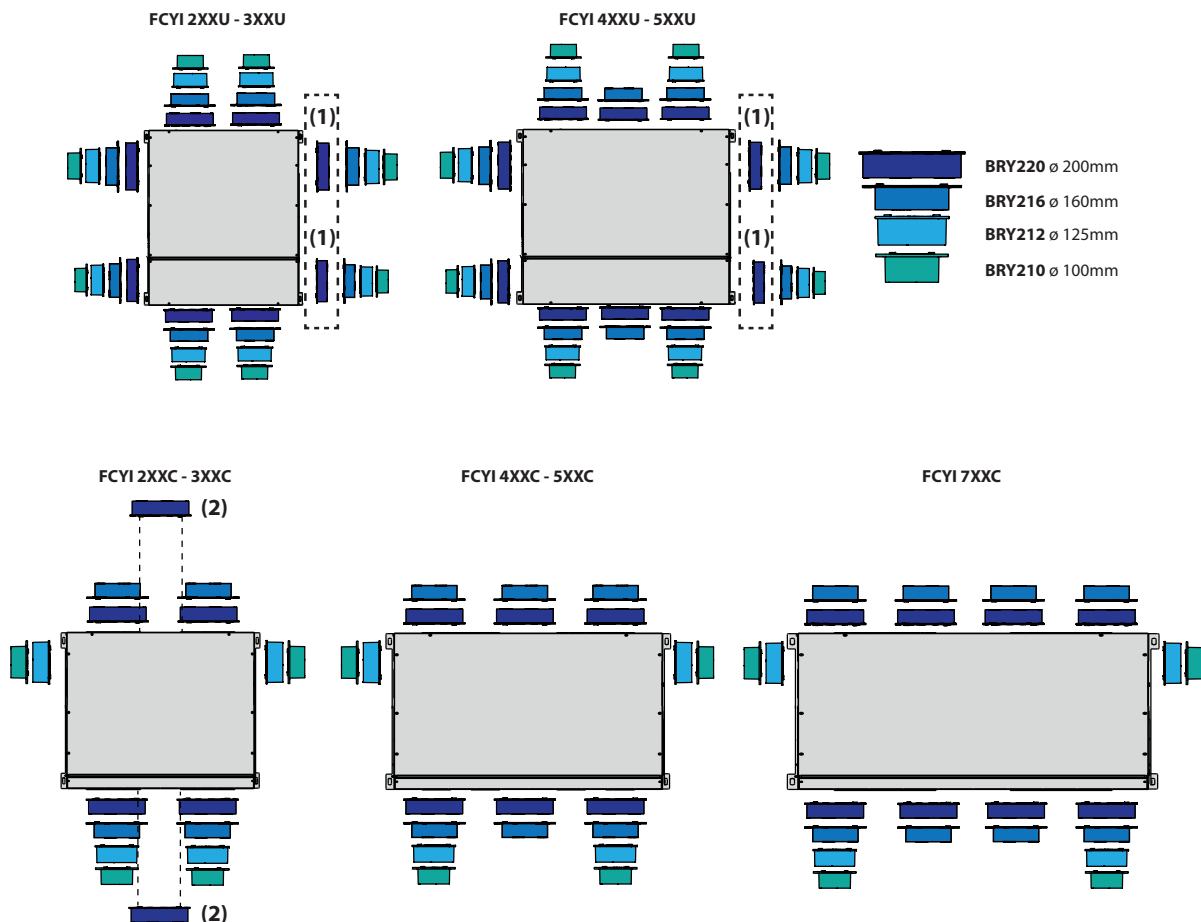
The performance data for the configurations shown here are equal to those for the U version in the U configuration.

POSSIBLE POSITIONS FOR THE INSTALLATION OF THE BRY ACCESSORIES

In every unit it is possible to use a maximum of one flange accessory for the intake of outside air (BRY210 or BRY212). The number and position of the preparations for the installation of the BRY accessories varies based on the unit size and version.

The standard **U version unit** is supplied with **2 installed flanges (diameter 200 mm)** in the U configuration.

The standard **C version unit** is supplied **without flanges**, which can be purchased separately as an accessory.



- 1 Accessories **BRY220** supplied installed with the standard unit in the U version
- 2 There is a central preparation for the installation of an accessory BRY220 as an alternative to using the two more external preparations.

For the C version: it is necessary to use a number of recirculation air preparations at least equal to the maximum number possible for the size selected less 1.

Example: for FCY6xxC it is necessary to open at least 3 flange preparations for intake recirculation air and 3 flange preparations for delivery recirculation air (= maximum number - 1).

In both versions if the number of intake/delivery flanges used is less than the maximum possible for the considered size, their diameter must be 200 mm (BRY220).

Example: for FCYI7xxC it is necessary to open at least 3 flange preparations for intake recirculation air and 3 flange preparations for delivery recirculation air (= maximum number - 1).

For more information about the possible configurations for both versions, refer to the unit's selection software.

ACCESSORIES

Control panels

AER503IR: Flush-mounting thermostat with backlit display, capacitive keypad and infrared receiver, for controlling both brushless fan coils and those with an asynchronous motor. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices (Cold Plasma and germicidal lamp), with radiant plate or with FCZ-D twin delivery (Dualjet). In addition, it can control systems with radiant panels or mixed (fan coil and radiant floor) systems. Being equipped with an infrared receiver, it can, in turn, be controlled by the VMF-IR remote control.

SA5: air probe kit (L = 15 m) with probe-locking cable grommet.

SW3: Water probe (L = 2.5 m) for controlling the minimum and maximum and to allow automatic seasonal switching for electronic thermostats fitted with water side changeover.

SW5: water probe kit (L = 15m) with probe-holder connection point, fixing clip and probe-holder from heat exchanger.

TX: Wall-mounting thermostat for controlling either brushless fan coils or those with asynchronous motors. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices, radiant plate or FCZ-D twin delivery (Dualjet).

VMF system

VMF-E19I: Thermostat for inverter unit to be fixed on the side of the fan coil, fitted as standard with an air and water probe.

VMF-E3: Wall mounted user interface, to be combined with accessories VMF-E19, VMF-E19I, VMF-E0X with grids GLF_N/M and GLL_N, can be controlled with VMF-IR control.

VMF-E4DX: Wall-mounted user interface. Grey front panel PANTONE 425C (METAL).

VMF-E4X: Wall-mounted user interface. Light grey front panel PANTONE COOL GRAY 1C.

VMF-IR: User interface compatible with the AER503IR thermostat and with all the grids of cassettes equipped with the infrared receiver compatible with the VMF system.

VMF-SW: Water temperature probe.

VMF-SW1: Extra water probe to be used for 4-pipe systems.

Valves for main coil

VCY41 - 42 - for main coil: 3-way motorised valve kit for the main coil. The kit consists of a valve, an actuator and the relative pipe fittings. It can be installed on fan coils with both right and left hydraulic connections.

VCYD for main and secondary coil: The 2-way motorised valve kit for the primary or secondary coil or an additional optional heat only coil. The kit consists of a valve, the actuator and the corresponding hydraulic fittings. It can be installed both on fan coils with right-hand and left-hand connections.

VDP15HF: Combined adjustment and balancing valve, for 2 and 4 pipe systems to be installed outside the unit. It is comprised of a valve body without nipples with Ø 3/4" M water connections, a 230 V powered actuator with On-Off function and a 5 m power supply cable. The valve is supplied without connections or hydraulic components.

VDP15HF24: Combined adjustment and balancing valve, for 2 and 4 pipe systems to be installed outside the unit. It is comprised of a valve body without nipples with Ø 3/4" M water connections, a 24 V powered actuator with On-Off function and a 5 m power supply cable. The valve is supplied without connections or hydraulic components.

VDP15HFM: Combined adjustment and balancing valve, for 2 and 4 pipe systems to be installed outside the unit. It is comprised of a valve body without nipples with Ø 3/4" M water connections, a 24 V powered actuator with modulating function and a 5 m power supply cable. The valve is supplied without connections or hydraulic components.

Valves for secondary coil

VCY44 - for the secondary coil: 3-way motorized valve kit for hot only coil. The kit consists of a valve, actuator and relative hydraulic fittings, it is suitable for installation on both fan coils with hydraulic connections on the right and left.

VCYD for main and secondary coil: The 2-way motorised valve kit for the primary or secondary coil or an additional optional heat only coil. The kit consists of a valve, the actuator and the corresponding hydraulic

fittings. It can be installed both on fan coils with right-hand and left-hand connections.

Additional hot water coil.

BV: Single row hot water heat exchanger.

Valve support kit

KITVPI: Main coil VDP valve support kit. The kit consists of a bracket for supporting the valve and the corresponding hydraulic fittings.

KITVPI12H: VDP valve support kit for the secondary coil. The kit consists of a bracket for supporting the valve and the corresponding hydraulic fittings.

Installation accessories

BDP: 200 mm plug.

BRY: Flange with hydraulic "spigot" connection.

GMYC: Plate flange that makes it possible to install the accessory GM either in the intake section or in the delivery section. The accessory is comprised of a plate flange with gasket and 4 screws to fasten it to the unit.

AFY: the kit is comprised of a Coarse 25% class filter according to ISO16890 (G2 according to EN779) and four fastening brackets to insert in the grille GM17. To be used together with fan coils supplied without a filter installed in unit "X".

GM17YU: Plate flange that makes it possible to install the accessory GM17 either in the intake section or in the delivery section. The accessory is comprised of a plate flange with gasket and 4 screws to fasten it to the unit.

DSC: Condensate drainage device.

BC: Condensate drip.

DAYKIT: Air deflector for U versions. To be installed in the delivery plenum, on the side opposite the air outlet, to facilitate the flow towards the delivery opening.

AMPY: Additional brackets for ceiling mount. Only for "U" version.

Accessories in multiple packages

DFA: Size of filter halved on the short side. The kit is comprised of two filters with a length equal to the standard filter and with half the height. This facilitates filter cleaning and/or replacement operations if there is a reduced space for vertical extraction. 20 piece package.

PPB: Protection for flanges to be used during installation to prevent dust from entering the unit before connecting the ducts. To be removed when making the connection. 100 piece package.

CHR12: Hydraulic connection kit for Ø 1/2" two-way valves, with soft coil side O-ring seal and with a flat plate and system side gasket, which can also be used for installing flat seal two-way valves. 50 piece package.

CHR34: Hydraulic connection kit for Ø 3/4" two-way valves, with soft coil side O-ring seal and with a flat plate and system side gasket, which can also be used for installing flat seal two-way valves. 30 piece package.

ACCESSORIES COMPATIBILITY

Control panels and dedicated accessories

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	700	701	750
AER503IR (1)	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*			
SA5 (2)	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*			
SW3 (2)	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*			
SW5 (2)	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*			
TX (1)	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*			

(1) Wall-mount installation.

(2) Probe for AER503IR-TX thermostats, if fitted.

VMF system

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	700	701	750
VMF-E19I	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*			
VMF-E3	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*			
VMF-E4DX	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*			
VMF-E4X	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*			
VMF-IR	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*			
VMF-SW	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*			
VMF-SW1	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*			

Additional heat only coil for only option "X" (without an electric heater and without a photocatalytic device)

Ver	200	201	250	300	301	350	400	401	450	500	501	550	700	701	750
C	BV122	-	-	BV132	-	-	BV142	-	-	BV142	-	-	BVZ800	-	-
U	BV122	-	-	BV132	-	-	BV142	-	-	BV142	-	-	-	-	-

Combined adjustment and balancing valve

	200	201	250	300	301	350	400	401	450
Main coil	VDP15HF	VDP15HF	VDP15HF	VDP15HF	VDP15HF	VDP15HF	VDP15HF	VDP15HF	VDP15HF
	VDP15HF24	VDP15HF24	VDP15HF24	VDP15HF24	VDP15HF24	VDP15HF24	VDP15HF24	VDP15HF24	VDP15HF24
	VDP15HFM	VDP15HFM	VDP15HFM	VDP15HFM	VDP15HFM	VDP15HFM	VDP15HFM	VDP15HFM	VDP15HFM
Secondary coil	-	VDP15HF VDP15HF24 VDP15HFM	-	-	VDP15HF VDP15HF24 VDP15HFM	-	-	VDP15HF VDP15HF24 VDP15HFM	-
	VDP15HF VDP15HF24 VDP15HFM	-	-	VDP15HF VDP15HF24 VDP15HFM	-	-	VDP15HF VDP15HF24 VDP15HFM	-	-
	500	501	550	700	701	750			
Main coil	VDP15HF	VDP15HF	VDP15HF	VDP15HF	VDP15HF	VDP15HF	VDP15HF		
	VDP15HF24	VDP15HF24	VDP15HF24	VDP15HF24	VDP15HF24	VDP15HF24	VDP15HF24		
	VDP15HFM	VDP15HFM	VDP15HFM	VDP15HFM	VDP15HFM	VDP15HFM	VDP15HFM		
Secondary coil	-	VDP15HF VDP15HF24 VDP15HFM	-	-	-	VDP15HF VDP15HF24 VDP15HFM	-		
	VDP15HF VDP15HF24 VDP15HFM	-	-	-	VDP15HF VDP15HF24 VDP15HFM	-	-		

Valves combinations for main and secondary coil

3-way valve kit - main and secondary coil or accessory BV coil

	200	201	250	300	301	350	400	401	450	500	501	550	700	701	750
Main coil	VCY41	VCY41	VCY41	VCY42	VCY42	VCY42	VCY42	VCY42	VCY42	VCY42	VCY42	VCY42	VCY42	VCY42	VCY42
	VCY4124	VCY4124	VCY4124	VCY4224	VCY4224	VCY4224	VCY4224	VCY4224	VCY4224	VCY4224	VCY4224	VCY4224	VCY4224	VCY4224	VCY4224
Secondary coil	-	VCY44	-	-	VCY44	-	-	VCY44	-	-	VCY44	-	-	VCY44	-
	-	VCY4424	-	-	VCY4424	-	-	VCY4424	-	-	VCY4424	-	-	VCY4424	-
Additional coil "BV"	VCY44	-	-	VCY44	-	-	VCY44	-	-	VCY44	-	-	VCY44	-	-
	VCY4424	-	-	VCY4424	-	-	VCY4424	-	-	VCY4424	-	-	VCY4424	-	-

2-way valve kit - main and secondary coil or accessory BV coil

	200	201	250	300	301	350	400	401	450	500	501	550	700	701	750
Main coil	VCYD1 VCYD124	VCYD1 VCYD124	VCYD1 VCYD124	VCYD2 VCY224	VCYD2 VCY224	VCYD2 VCY224	VCYD2 VCY224	VCYD2 VCY224	VCYD2 VCY224	VCYD2 VCY224	VCYD2 VCY224	VCYD2 VCY224	VCYD2 VCY224	VCYD2 VCY224	VCYD2 VCY224
Secondary coil	-	VCYD1 VCYD124	-	-	VCYD1 VCYD124	-	-	VCYD1 VCYD124	-	-	VCYD1 VCYD124	-	-	VCYD1 VCYD124	-
Additional coil "BV"	VCYD1 VCYD124	-	-	VCYD1 VCYD124	-	-	VCYD1 VCYD124	-	-	VCYD1 VCYD124	-	-	VCYD1 VCYD124	-	-

Valve support kit**Main coil VDP valve support kit.**

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	700	701	750
KITVPI12 (1)	C,U	•	•	•												
KITVPI34 (2)	C				•	•	•	•	•	•	•	•	•	•	•	•
	U				•	•	•	•	•	•	•	•	•			

(1) Connections Ø 1/2"

(2) Connections Ø 3/4"

Secondary coil VDP valve support kit.

	200	201	250	300	301	350	400	401	450	500	501	550	700	701	750
Main coil															
Secondary coil	-	KITVPI12H	-	-	KITVPI12H	-	-	KITVPI12H	-	-	KITVPI12H	-	-	KITVPI12H	-
Additional coil "BV"	KITVPI12H	-	-	KITVPI12H	-	-	KITVPI12H	-	-	KITVPI12H	-	-	KITVPI12H	-	-

Connections ø 1/2"

Installation accessories**Plastic caps**

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	700	701	750
BDP200	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	U	•	•	•	•	•	•	•	•	•	•	•	•			

Flange

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	700	701	750
BRY210 (1)	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	U	•	•	•	•	•	•	•	•	•	•	•	•			
BRY212 (2)	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	U	•	•	•	•	•	•	•	•	•	•	•	•			
BRY216 (3)	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	U	•	•	•	•	•	•	•	•	•	•	•	•			
BRY220 (4)	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	U	•	•	•	•	•	•	•	•	•	•	•	•			

(1) Ø 100 mm

(2) Ø 125 mm

(3) Ø 160 mm

(4) Ø 200 mm

Flange for the installation of the delivery grille GM

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	700	701	750
GMV200C (1)	C	•	•	•												
GMV300C (1)	C				•	•	•									
GMV400C (1)	C							•	•	•	•	•	•			
GMV600C (1)	C													•	•	•

(1) only for "C" version.

Flange for the installation of the grille GM17

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	700	701	750
GMVU (1)	U	•	•	•	•	•	•	•	•	•	•	•	•			

(1) Only for "U" version with connections "G and D".

Coarse 25% class air filter kit

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	700	701	750
AFY100 (1)	U	•	•	•	•	•	•	•	•	•	•	•	•			

(1) To be used with fan coils supplied without a filter installed in unit "X" and in association with GM17 and GMVU.

Air deflector

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	700	701	750
DAYKIT	U	•	•	•	•	•	•	•	•	•	•	•	•			

Brackets for ceiling mount.

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	700	701	750
AMPY (1)	U	•	•	•	•	•	•	•	•	•	•	•	•			

(1) Only for "U" version.

Condensate discharge device kit

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	700	701	750
DSC6 (1)	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*			

(1) Only for "L and R" connections.

Condensate drip

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	700	701	750
BC8 (1)	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*			

(1) For horizontal installation.

Accessories in multiple packages**Hydraulic connection kit**

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	700	701	750
CHR12 (1)	C,U	*	*	*												
CHR34 (2)	C				*	*	*	*	*	*	*	*	*	*	*	*
	U				*	*	*	*	*	*	*	*	*			

(1) Hydraulic connections Ø 1/2"

(2) Hydraulic connections Ø 3/4"

Half-size filter kit

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	700	701	750
DFA2	C,U	*	*	*												
DFA3	C,U				*	*	*									
DFA5	C,U							*	*	*	*	*	*			
DFA7	C													*	*	*

Protection for flange

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	700	701	750
PPB	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*			

PERFORMANCE DATA - FCYI_C AND FCYI_U (H NOZZLES CONFIGURATION) 2 PIPES

2-pipe

		FCYI200C			FCYI250C			FCYI300C			FCYI350C			FCYI400C			FCYI450C		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 70 °C / 60 °C (1)																			
Heating capacity	kW	1,81	3,16	3,34	2,01	3,40	3,62	3,08	4,83	5,23	3,32	5,43	5,83	3,96	5,85	6,34	4,10	6,44	6,96
Water flow rate system side	l/h	156	272	287	173	292	311	265	415	450	285	467	502	341	503	545	353	554	599
Pressure drop system side	kPa	6	13	16	7	17	19	7	14	16	7	17	19	9	17	19	5	12	13
Heating performance 45 °C / 40 °C (2)																			
Heating capacity	kW	0,90	1,57	1,66	1,00	1,69	1,80	1,53	2,40	2,60	1,65	2,70	2,90	1,97	2,91	3,15	2,04	3,20	3,46
Water flow rate system side	l/h	155	270	288	172	291	308	263	413	447	284	464	499	339	501	542	351	550	595
Pressure drop system side	kPa	6	13	16	7	17	19	7	14	16	7	17	19	9	17	19	5	12	13
Cooling performance 7 °C / 12 °C (3)																			
Cooling capacity	kW	0,80	1,37	1,45	0,95	1,67	1,76	1,40	2,38	2,53	1,66	2,70	2,88	2,03	2,98	3,21	2,22	3,28	3,55
Sensible cooling capacity	kW	0,63	1,13	1,20	0,70	1,29	1,37	1,10	1,82	1,94	1,15	1,94	2,07	1,45	2,18	2,36	1,54	2,35	2,56
Water flow rate system side	l/h	138	236	249	163	287	303	241	409	435	285	464	495	349	512	552	382	564	610
Pressure drop system side	kPa	5	14	16	8	19	21	7	15	17	9	21	23	9	13	20	8	16	18
Fan																			
Air flow rate	m³/h	123	240	257	123	240	257	225	390	424	225	390	424	300	470	515	300	470	515
High static pressure	Pa	13	50	57	13	50	57	16	50	59	16	50	59	20	50	60	20	50	60
Sound power level (inlet + radiated)	dB(A)	37,0	57,0	59,0	37,0	57,0	59,0	36,0	50,0	53,0	36,0	50,0	53,0	43,0	53,0	55,0	43,0	53,0	55,0
Sound power level (outlet)	dB(A)	33,0	53,0	55,0	33,0	53,0	55,0	32,0	47,0	49,0	32,0	47,0	49,0	39,0	49,0	52,0	39,0	49,0	52,0
Input power	W	7	27	31	7	27	31	10	30	40	10	30	40	14	38	48	14	38	48
Diameter hydraulic fittings																			
Main coil	Ø	1/2"			1/2"			3/4"			3/4"			3/4"			3/4"		
Power supply																			
Power supply		230V~50Hz																	
		FCYI500C			FCYI550C			FCYI700C			FCYI750C								
		1	2	3	1	2	3	1	2	3	1	2	3						
		L	M	H	L	M	H	L	M	H	L	M	H						
Heating performance 70 °C / 60 °C (1)																			
Heating capacity	kW	5,39	7,28	7,63	5,92	8,37	8,71	5,33	8,34	8,88	6,17	9,52	10,15						
Water flow rate system side	l/h	464	626	656	509	720	749	468	732	779	541	835	890						
Pressure drop system side	kPa	12	22	23	11	20	21	8	17	20	5	11	12						
Heating performance 45 °C / 40 °C (2)																			
Heating capacity	kW	2,68	3,26	3,79	2,94	4,16	4,33	2,67	4,15	4,40	2,46	4,69	5,00						
Water flow rate system side	l/h	461	623	652	506	715	745	460	720	767	418	806	860						
Pressure drop system side	kPa	12	22	23	12	22	23	8	18	20	3	11	12						
Cooling performance 7 °C / 12 °C (3)																			
Cooling capacity	kW	2,73	3,68	3,84	2,97	4,15	4,31	2,20	4,00	4,30	2,60	4,41	4,70						
Sensible cooling capacity	kW	1,98	2,73	2,85	2,11	2,98	3,12	1,71	3,00	3,20	1,90	3,30	3,50						
Water flow rate system side	l/h	469	633	660	511	714	741	378	688	739	447	760	818						
Pressure drop system side	kPa	13	22	25	13	22	25	7	18	20	4	11	12						
Fan																			
Air flow rate	m³/h	410	600	630	410	600	630	405	730	799	405	730	799						
High static pressure	Pa	23	50	55	23	50	55	15	50	60	15	50	60						
Sound power level (inlet + radiated)	dB(A)	45,0	56,0	57,0	45,0	56,0	57,0	38,0	55,0	58,0	38,0	55,0	58,0						
Sound power level (outlet)	dB(A)	42,0	52,0	52,0	42,0	52,0	52,0	34,0	51,0	54,0	34,0	51,0	54,0						
Input power	W	18	50	60	18	50	60	21	61	78	21	61	78						
Diameter hydraulic fittings																			
Main coil	Ø	3/4"																	
Power supply																			
Power supply		230V~50Hz																	

(1) Room air temperature 20 °C d.b.; Water (in/out) 70 °C/60 °C

(2) Room air temperature 20 °C d.b.; Water (in/out) 45 °C/40 °C; EUROVENT

(3) Room air temperature 27 °C d.b./19 °C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT

Refer to the selection software for performance data related to the different configurations.

PERFORMANCE DATA FCYI_C AND FCYI_U (H NOZZLES CONFIGURATION) 4 PIPES

4-pipe

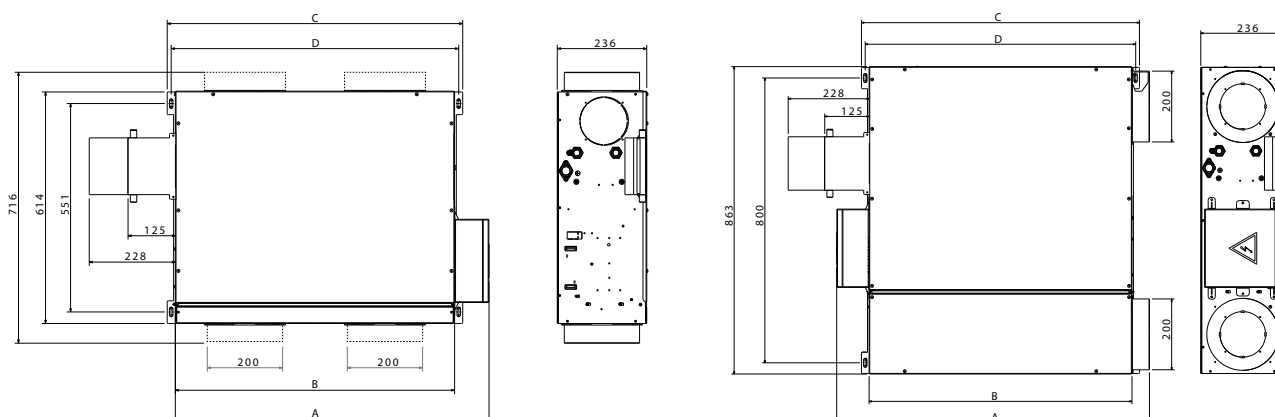
Pipe		FCYI201C			FCYI301C			FCYI401C			FCYI501C			FCYI701C		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 65 °C / 55 °C (1)																
Heating capacity	kW	0,94	1,42	1,49	1,60	2,34	2,47	1,99	2,69	2,85	2,62	3,59	3,45	2,99	3,70	3,92
Water flow rate system side	l/h	81	122	128	138	201	212	171	231	245	225	309	297	257	318	337
Pressure drop system side	kPa	4	9	9	6	12	13	4	7	8	6	9	9	8	12	13
Cooling performance 7 °C / 12 °C (2)																
Cooling capacity	kW	0,80	1,37	1,45	1,40	2,38	2,53	2,03	2,98	3,21	2,73	3,68	3,84	2,20	4,00	4,30
Sensible cooling capacity	kW	0,63	1,13	1,20	1,10	1,82	1,94	1,45	2,18	2,36	1,98	2,73	2,85	1,71	3,00	3,20
Water flow rate system side	l/h	138	236	249	241	409	435	349	512	552	469	633	660	378	688	739
Pressure drop system side	kPa	5	14	16	7	15	17	9	13	20	13	22	25	7	18	20
Fan																
Air flow rate	m³/h	123	240	257	225	390	424	300	470	515	410	600	630	405	730	799
High static pressure	Pa	13	50	57	16	50	59	20	50	60	23	50	55	15	50	60
Sound power level (inlet + radiated)	dB(A)	37,0	57,0	59,0	36,0	50,0	53,0	43,0	53,0	55,0	45,0	56,0	57,0	38,0	55,0	58,0
Sound power level (outlet)	dB(A)	33,0	53,0	55,0	32,0	47,0	49,0	39,0	49,0	52,0	42,0	52,0	52,0	34,0	51,0	54,0
Input power	W	7	27	31	10	30	40	14	38	48	18	50	60	21	61	78
Diameter hydraulic fittings																
Main coil	Ø	1/2"			3/4"			3/4"			3/4"			3/4"		
Secondary coil	Ø	1/2"														
Power supply																
Power supply		230V~50Hz														

(1) Room air temperature 20°C d.b.; Water (in/out) 65 °C/55 °C; EUROVENT

(2) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT

Refer to the selection software for performance data related to the different configurations.

DIMENSIONS



FCYI - C

Size		200	201	250	300	301	350	400	401	450	500	501	550	700	701	750
Dimensions and weights																
A	mm	598	598	598	829	829	829	1050	1050	1050	1050	1050	1050	1171	1171	1171
B	mm	507	507	507	735	735	735	960	960	960	960	960	960	1080	1080	1080
C	mm	550	550	550	781	781	781	1003	1003	1003	1003	1003	1003	1122	1122	1122
D	mm	529	529	529	760	760	760	982	982	982	982	982	982	1100	1100	1100
Empty weight	kg	19	20	21	23	24	26	31	32	33	31	32	33	41	43	46

FCYI - U

Size		200	201	250	300	301	350	400	401	450	500	501	550
Dimensions and weights													
A	mm	647	647	647	878	878	878	1100	1100	1100	1100	1100	1100
B	mm	508	508	508	739	739	739	960	960	960	960	960	960
C	mm	550	550	550	781	781	781	1003	1003	1003	1003	1003	1003
D	mm	529	529	529	760	760	760	982	982	982	982	982	982
Empty weight	kg	22	23	24	26	27	29	35	36	37	35	36	37

Aermec reserves the right to make any modifications deemed necessary.
All data is subject to change without notice. Aermec does not assume responsibility or liability for errors or omissions.

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FCZ P - PO

Fan coil unit for ducted installations

Cooling capacity 0,65 ÷ 7,62 kW
Heating capacity 1,45 ÷ 17,02 kW

- Very quiet
- Suitable for duct-type installations too
- Total comfort: reduced variations in temperature and relative humidity
- Vertical and horizontal installation



DESCRIPTION

fan coil can be installed in any 2/4 pipe system and operates with any heat generator even at low temperatures, and thanks to varied versions and settings, it is easy to pick the ideal solution for any need.

FEATURES

Ventilation group

Consisting of double suction centrifugal fans that are particularly silent, statically and dynamically balanced, and directly coupled with the motor shaft.

The motor is wired for single phase and has three speeds, with capacitor. The motor is fitted on sealed for life bearings and is secured on anti-vibration and self-lubricating mountings.

Extractable shrouds for easy, effective cleaning

Heat exchanger coil

With copper pipes and aluminium fins, the standard or oversized main coil and the possible secondary coil have female gas water connections on the left side and the manifolds have air vents.

The coil is not suitable for use in corrosive atmosphere or in environments where aluminium may be subject to corrosion.

Reversibility of the water connections during installation only for units with a standard or boosted main coil, or standard with BV accessory. Not reversible in all other configurations. In any case, units with the coil water connections on the right are available at the time of ordering.

Condensate drip

Provided standard in plastic and fixed to the interior structure; with external condensate discharge.

Air filter

Air filter class Coarse 25% for all versions easy to pull out and clean.

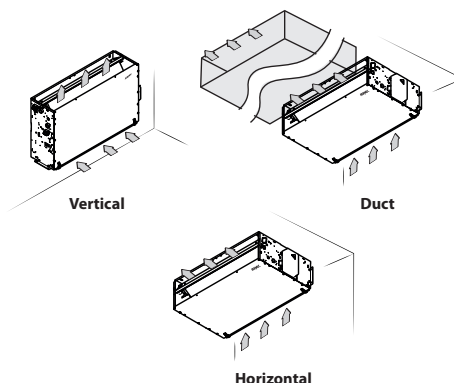
In the PPC version, air purification is guaranteed by the Cold Plasma purifier.

The purifier is able to reduce pollutants, decomposing their molecules using electrical charges, causing the water molecules in the air to split into positive and negative ions. These ions neutralise the molecules in

the gaseous pollutants, obtaining products normally present in clean air. The device is able to eliminate 90% of the bacteria. The result is clean, ionized air, free of foul odours.

VERSIONS

Flush-mounting and duct-type versions



FCZ_P

— Flush-mounting

FCZ_PPC

— Flush-mounting with Cold Plasma purifier

FCZ_PO

— Flush-mounting, duct-type

— With useful head.

GUIDE TO SELECTING THE POSSIBLE CONFIGURATIONS

Field	Description
1,2,3	FCZ
4	Size 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
5	Main coil
0	Standard
5	Oversized
6	Secondary coil
0	Without coil

Field	Description
1	Standard
2	Oversized
7	Version
P	Flush-mounting, without cabinet
PO	Flush-mounting, with boosted motor
POR	Flush-mounting, with boosted motor, with water connections on right-hand side
PPC	Flush-mounting with Cold Plasma purifier
PR	Flush-mounting, without cabinet, with water connections on right-hand side

SIZE AVAILABLE FOR VERSION

Size	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
Versions produced (by size)																				
Versions available (by size)	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR	-	-	-	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PPC	*	-	-	*	*	-	-	*	*	-	-	*	*	-	-	*	*	-	*

Size	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
Versions produced (by size)																	
Versions available (by size)	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR	*	*	*	*	*	*	*	-	-	-	-	*	*	*	-	-
	PPC	*	-	-	*	*	-	-	*	-	-	*	*	-	*	*	-

ACCESSORIES

Control panels

AER503IR: Flush-mounting thermostat with backlit display, capacitive keypad and infrared receiver, for controlling both brushless fan coils and those with an asynchronous motor. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices (Cold Plasma and germicidal lamp), with radiant plate or with FCZ-D twin delivery (Dualjet). In addition, it can control systems with radiant panels or mixed (fan coil and radiant floor) systems. Being equipped with an infrared receiver, it can, in turn, be controlled by the VMF-IR remote control.

PRO503: Wall box for AER503IR and VMF-E4 thermostats.

PXA1: Thermostat on the machine for controlling the fan coils (both with asynchronous and brushless motors), complete with water and air probes to be positioned in the relative seats, and a plastic support to fix it on the side of the unit. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, purifier devices (Cold Plasma and germicidal lamp), or radiant plate.

SA5: air probe kit (L = 15 m) with probe-locking cable grommet.

SW3: Water probe (L = 2.5 m) for controlling the minimum and maximum and to allow automatic seasonal switching for electronic thermostats fitted with water side changeover.

SW5: water probe kit (L = 15m) with probe-holder connection point, fixing clip and probe-holder from heat exchanger.

TX: Wall-mounting thermostat for controlling either brushless fan coils or those with asynchronous motors. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices, radiant plate or FCZ-D twin delivery (Dualjet).

WMT05: Electronic thermostat with thermostated ventilation.

WMT06: Electronic thermostat with continuous ventilation.

WMT10: Electronic thermostat, white, with thermostated or continuous ventilation.

VMF system

VMF-E0X: Thermostat to be secured to the side of the fan coil, fitted as standard with an air probe and a water probe.

VMF-E19: Thermostat to be secured to the side of the fan coil, fitted as standard with an air probe and a water probe.

VMF-E3: Wall mounted user interface, to be combined with accessories VMF-E19, VMF-E19I, VMF-E0X with grids GLF_N/M and GLL_N, can be controlled with VMF-IR control.

VMF-E4DX: Wall-mounted user interface. Grey front panel PANTONE 425C (METAL).

VMF-E4X: Wall-mounted user interface. Light grey front panel PANTONE COOL GRAY 1C.

VMF-IR: User interface compatible with the AER503IR thermostat and with all the grids of cassettes equipped with the infrared receiver compatible with the VMF system.

VMF-SW: Water temperature probe.

VMF-SW1: Extra water probe to be used for 4-pipe systems.

Water valves

VCZ_X: 3-way valve kit for single-coil fan coil, RH connections, for 4-pipe systems. With totally separate "heating" and "cooling" circuits. This kit consists of two 3-way insulated valves and four connections, complete with electrothermal actuators, insulating shells for the valves, and the relative hydraulic couplings. X4L version for fan coils with LH connections, and X4R for fan coils with RH connections. 230V~50Hz power supply.

VCZ: 3-way motorised valve kit. The kit consists of a valve with its insulating shell, an actuator and the relative pipe fittings. It can be installed on fan coils with both right and left connections.

VCF44 - 45 - for the secondary coil: The 3-way motorised valve kit for the secondary coil or an optional heat only coil. The kit consists of a valve with its insulating shell, actuator and relevant water fittings; it is suitable to be installed on the fan coils with right and left water connections.

VCZD: 2-way motorised valve kit. The kit consists of a valve, an actuator and the relative pipe fittings. It can be installed on fan coils with both right and left connections.

VJP: Control and balancing combination valve for 2 and 4 pipe systems to install outside the unit, supplied without fittings and hydraulic components. The valve, which can guarantee a constant water flow rate in the terminal, within its operating range.

VDP: Combined adjustment and balancing valve, for 2 and 4 pipe systems to be installed outside the unit. It is comprised of a valve body without nipples with Ø 3/4" M water connections, a 230 V powered actuator with On-Off function and a 5 m power supply cable. The valve is supplied without connections or hydraulic components.

(Heating only) additional coil

BV: Single row hot water heat exchanger.

RX: Armoured electric coil with safety thermostat.

Installation accessories

AMP: Wall mounting kit

DSC: Condensate drainage device.

BC: Condensate drip.

BCZ: Condensate drip.

Ventilcassaforma: Galvanised sheet metal template. It makes it possible to obtain directly in the wall a space for housing the fan coil.

GA: Intake grid with fixed louvers

GAF: Intake grid with filter and fixed louvers

GM: Flow grid with adjustable louvers.

PA: Intake plenum in galvanised sheet metal, complete with suction couplings for circular-section ducts.

PAF: Intake plenum providing recovery and delivery on the same side, for all installations where the machine needs to be positioned outside the air conditioned rooms to minimise the noise levels and facilitate maintenance.

PM: Delivery plenum with circular flanges. Sandwich structure in hot galvanised steel, with interposed polyurethane foam (40 kg/m³). The panel is 15 mm thick. It is installed in place of the delivery panel with a rectangular flange, using the same 4 self-threading screws.

RD: Straight delivery coupling for canalisation.

RDA: Straight suction coupling for canalisation.

RP: 90° delivery coupling.

RPA: 90° suction coupling.

Accessories for ducting

MZC: Plenum with motorised dampers.

RDA_V: Straight intake connection with rectangular flange.

RPA_V: Suction plenum with rectangular flange; both sides have a circular push-out Ø 150mm that can be removed.

RDA_C: Straight intake connection with circular flanges.

PA_V: Suction plenum with circular plastic flanges; both sides have a circular push-out Ø 150mm that can be removed.

PM_V: Internally insulated delivery plenum with circular flanges; both sides have a circular push-out Ø 150mm that can be removed.

RPM_V: Internally insulated delivery plenum with rectangular flange; both sides have a circular push-out Ø 150mm that can be removed.

RDM_V: Straight delivery coupling in galvanised sheet metal.

RDM_C: Straight discharge internally insulated, with circular flanges.

ACCESSORIES COMPATIBILITY

Control panels

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
AER503IR (1)	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PPC	*			*	*			*	*			*	*			*	*			*
PRO503	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PPC	*			*	*			*	*			*	*			*	*			*
PXAI	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PPC	*			*	*			*	*			*	*			*	*			*
SAS (2)	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PPC	*			*	*			*	*			*	*			*	*			*
SW3 (2)	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PPC	*			*	*			*	*			*	*			*	*			*
SW5 (2)	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PPC	*			*	*			*	*			*	*			*	*			*
TX (1)	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PPC	*			*	*			*	*			*	*			*	*			*
WMT05	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PPC	*			*	*			*	*			*	*			*	*			*
WMT06	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PPC	*			*	*			*	*			*	*			*	*			*
WMT10	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PPC	*			*	*			*	*			*	*			*	*			*

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
AERS031R (1)	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR	*	*	*	*	*	*	*	*					*	*	*		
	PPC	*			*	*			*	*			*	*		*	*	
PRO503	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR	*	*	*	*	*	*	*	*					*	*	*		
	PPC	*			*	*			*	*			*	*		*	*	
PXA1	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR	*	*	*	*	*	*	*	*					*	*	*		
	PPC	*			*	*			*	*			*	*		*	*	
SA5 (2)	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR	*	*	*	*	*	*	*	*					*	*	*		
	PPC	*			*	*			*	*			*	*		*	*	
SW3 (2)	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR	*	*	*	*	*	*	*	*					*	*	*		
	PPC	*			*	*			*	*			*	*		*	*	
SW5 (2)	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR	*	*	*	*	*	*	*	*					*	*	*		
	PPC	*			*	*			*	*			*	*		*	*	
TX (1)	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR	*	*	*	*	*	*	*	*					*	*	*		
	PPC	*			*	*			*	*			*	*		*	*	
WMT05	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR	*	*	*	*	*	*	*	*					*	*	*		
	PPC	*			*	*			*	*			*	*		*	*	
WMT06	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR	*	*	*	*	*	*	*	*					*	*	*		
	PPC	*			*	*			*	*			*	*		*	*	
WMT10	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR	*	*	*	*	*	*	*	*					*	*	*		
	PPC	*			*	*			*	*			*	*		*	*	

(1) Wall-mount installation.
(2) Probe for AERS031R-TX thermostats, if fitted.

VMF system

For more information about VMF system, refer to the dedicated documentation.

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
VMF-E0X (1)	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PPC	*			*	*			*	*			*	*		*	*		*	*	*
VMF-E19	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PPC	*			*	*			*	*			*	*		*	*		*	*	*
VMF-E3	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PPC	*			*	*			*	*			*	*		*	*		*	*	*
VMF-E4DX	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PPC	*			*	*			*	*			*	*		*	*		*	*	*
VMF-E4X	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PPC	*			*	*			*	*			*	*		*	*		*	*	*
VMF-IR	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PPC	*			*	*			*	*			*	*		*	*		*	*	*
VMF-SW	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PPC	*			*	*			*	*			*	*		*	*		*	*	*
VMF-SW1	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PPC	*			*	*			*	*			*	*		*	*		*	*	*

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
VMF-E0X (1)	P _r PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO ₂ POR	*	*	*	*	*	*	*	*					*	*	*		
	PPC	*			*	*			*	*			*	*		*	*	
VMF-E19	P _r PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO ₂ POR	*	*	*	*	*	*	*	*					*	*	*		
	PPC	*			*	*			*	*			*	*		*	*	
VMF-E3	P _r PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO ₂ POR	*	*	*	*	*	*	*	*					*	*	*		
	PPC	*			*	*			*	*			*	*		*	*	
VMF-E4DX	P _r PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO ₂ POR	*	*	*	*	*	*	*	*					*	*	*		
	PPC	*			*	*			*	*			*	*		*	*	
VMF-E4X	P _r PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO ₂ POR	*	*	*	*	*	*	*	*					*	*	*		
	PPC	*			*	*			*	*			*	*		*	*	
VMF-IR	P _r PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO ₂ POR	*	*	*	*	*	*	*	*					*	*	*		
	PPC	*			*	*			*	*			*	*		*	*	
VMF-SW	P _r PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO ₂ POR	*	*	*	*	*	*	*	*					*	*	*		
	PPC	*			*	*			*	*			*	*		*	*	
VMF-SW1	P _r PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO ₂ POR	*	*	*	*	*	*	*	*					*	*	*		
	PPC	*			*	*			*	*			*	*		*	*	

(1) Also the accessory VMF-SIT3 is mandatory if the unit exceeds 0.7 Amperes.

Water valves

3 way valve kit

	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450
Main coil	VCZ41	VCZ41	VCZ41	VCZ41	VCZ41	VCZ41	VCZ41	VCZ41	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42
	VCZ4124	VCZ4124	VCZ4124	VCZ4124	VCZ4124	VCZ4124	VCZ4124	VCZ4124	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224
Secondary coil	-	VCF44	VCF44	-	-	VCF44	VCF44	-	-	VCF44	VCF44	-	-	VCF44	VCF44	-
		VCZ4424	VCZ4424			VCZ4424	VCZ4424			VCZ4424	VCZ4424			VCZ4424	VCZ4424	
Additional coil "BV"	VCF44	-	-	-	VCF44	-	-	-	VCF44	-	-	-	VCF44	-	-	-
	VCZ4424				VCZ4424				VCZ4424				VCZ4424			
	500	501	502	550	600	601	602	650	700	701	702	750	800	801	802	850
Main coil	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42
	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224
Secondary coil	-	VCF44	VCF44	-	-	VCF44	VCF44	-	-	VCF44	VCF44	-	-	VCF44	VCF44	-
		VCZ4424	VCZ4424			VCZ4424	VCZ4424			VCZ4424	VCZ4424			VCZ4424	VCZ4424	
Additional coil "BV"	VCF44	-	-	-	VCF44	-	-	-	VCF44	-	-	-	VCF44	-	-	-
	VCZ4424				VCZ4424				VCZ4424				VCZ4424			
	900	901	950	1000	1001											
Main coil	VCZ43	VCZ43	VCZ43	VCZ43	VCZ43											
	VCZ4324	VCZ4324	VCZ4324	VCZ4324	VCZ4324											
Secondary coil	-	VCF45	-	-	VCF45											
		VCZ4524			VCZ4524											
Additional coil "BV"	VCF45	-	-	VCF45	-											
	VCZ4524			VCZ4524												

2 way valve kit

	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450
Main coil	VCZD1	VCZD1	VCZD1	VCZD1	VCZD1	VCZD1	VCZD1	VCZD1	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2
	VCZD124	VCZD124	VCZD124	VCZD124	VCZD124	VCZD124	VCZD124	VCZD124	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224
Secondary coil	-	VCFD4	VCFD4	-	-	VCFD4	VCFD4	-	-	VCFD4	VCFD4	-	-	VCFD4	VCFD4	-
	-	VCZD424	VCZD424	-	-	VCZD424	VCZD424	-	-	VCZD424	VCZD424	-	-	VCZD424	VCZD424	-
Additional coil "BV"	VCFD4	-	-	-	VCFD4	-	-	-	VCFD4	-	-	-	VCFD4	-	-	-
	VCZD424	-	-	-	VCZD424	-	-	-	VCZD424	-	-	-	VCZD424	-	-	-
	500	501	502	550	600	601	602	650	700	701	702	750	800	801	802	850
Main coil	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2
	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224
Secondary coil	-	VCFD4	VCFD4	-	-	VCFD4	VCFD4	-	-	VCFD4	VCFD4	-	-	VCFD4	VCFD4	-
	-	VCZD424	VCZD424	-	-	VCZD424	VCZD424	-	-	VCZD424	VCZD424	-	-	VCZD424	VCZD424	-
Additional coil "BV"	VCFD4	-	-	-	VCFD4	-	-	-	VCFD4	-	-	-	VCFD4	-	-	-
	VCZD424	-	-	-	VCZD424	-	-	-	VCZD424	-	-	-	VCZD424	-	-	-
	900	901	950	1000	1001											
Main coil	VCZD3	VCZD3	VCZD3	VCZD3	VCZD3											
	VCZD324	VCZD324	VCZD324	VCZD324	VCZD324											
Secondary coil	-	VCFD4	-	-	VCFD4											
	-	VCZD424	-	-	VCZD424											
Additional coil "BV"	VCFD4	-	-	-	VCFD4											
	VCZD424	-	-	-	VCZD424											

Valve Kit for 4 pipe systems - Requires a thermostat with valve management

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
VCZ1X4L (1)	P,PPC,PR	.			.	.			.												
	PO,POR					.			.												
VCZ1X4R (1)	P,PPC,PR	.			.	.			.												
	PO,POR					.			.												
VCZ2X4L (1)	P,PO,POR,PPC,PR									.			.	.			.	.			.
VCZ2X4R (1)	P,PO,POR,PPC,PR									.			.	.			.	.			.

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
VCZ2X4L (1)	P,PPC,PR	.			.	.			.	.			.					
	PO,POR	.			.	.			.	.								
VCZ2X4R (1)	P,PPC,PR	.			.	.			.	.			.					
	PO,POR	.			.	.			.	.								
VCZ3X4L (1)	P,PPC,PR													.		.	.	
	PO,POR													.		.	.	
VCZ3X4R (1)	P,PPC,PR													.		.	.	.
	PO,POR													.		.	.	.

(1) The valves can be combined with the units if there is a control panel for managing them.

(Heating only) additional coil

Heating only additional coil

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
BV117 (1)	P,PPC,PR	.																			
BV122 (1)	P,PO,POR,PPC,PR					.															
BV132 (1)	P,PO,POR,PPC,PR									.											
BV142 (1)	P,PO,POR,PPC,PR													.				.			
Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001			
BV162 (1)	P,PPC,PR													.			.				
	PO,POR													.							
BVZ800 (1)	P,PPC,PR	.				.				.											
	PO,POR	.				.															

(1) Not available for sizes with oversized main coil.

Electric coil - Requires a thermostat with heater management. Not available for sizes with an oversized main coil.

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500		
RX17 (1)	P,PPC,PR	.																		
RX22 (1)	P,PO,POR,PPC,PR					.														
RX32 (1)	P,PO,POR,PPC,PR									.										
RX42 (1)	P,PO,POR,PPC,PR													.						
RX52 (1)	P,PO,POR,PPC,PR																		.	
Model	Ver	501	502	550	600	601	602	650	700	701	702	750	800	801	802	850	900	901		
RX62 (1)	P,PO,POR,PPC,PR																	.		
RXZ800 (1)	P,PPC,PR				.				.				.							
	PO,POR				.				.											

Model	Ver	950										1000										1001									
RX62 (1)	P,PPC,PR											.																			

(1) Requires a thermostat with heater management. Not available for sizes with an oversized main coil.

Installation accessories

Wall mounting kit

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
AMP20	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PO,POR					.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.			.	.			.	.			.	.			.	.			.
Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001			
AMPZ	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
	PO,POR	.	.	.	.	.	.	.	.	.	.			.	.	.	.	.			
	PPC	.			.	.			.	.				.	.	.	.	.			

Condensate drip

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
BCZ4 (1)	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PO,POR					.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.			.	.			.	.			.	.			.	.	.	.	.
BCZ5 (2)	P		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PO,POR					.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.			.	.			.	.			.	.			.	.	.	.	.
	PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001			
BCZ4 (1)	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
	PO,POR	.	.	.	.	.	.	.	.	.	.			.	.	.	.	.			
	PPC	.			.	.			.	.				.	.	.	.	.			
BCZ5 (2)	P,PR	.	.	.	.	.	.	.	.	.	.	.	.								
	PO,POR	.	.	.	.	.	.	.	.	.	.										
	PPC	.			.	.			.	.				.							
BCZ6 (2)	P,PR													.	.	.	.	.	.	.	
	PO,POR													.	.	.	.	.	.	.	
	PPC													.	.	.	.	.	.	.	

(1) For vertical installation.

(2) For horizontal installation.

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
BC8 (1)	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PO,POR					.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.			.	.			.	.			.	.			.	.			.
Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001			
BC8 (1)	P,PR	.	.	.	.	.	.	.	.	.	.	.	.								
	PO,POR	.	.	.	.	.	.	.	.	.	.										
	PPC	.			.	.			.	.			.								
BC9 (1)	P,PR														.	.	.	.	.	.	
	PO,POR														.	.	.	.	.	.	
	PPC														.	.	.	.	.	.	

(1) For horizontal installation.

Condensate recirculation device

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
DSCZ4 (1)	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PO,POR					.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.			.	.			.	.			.	.			.	.			.
Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001			
DSCZ4 (1)	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
	PO,POR	.	.	.	.	.	.	.	.	.	.			.	.	.	.	.			
	PPC	.			.	.			.	.			.	.		.	.	.			

(1) DSC4 cannot be mounted if even just one of these accessories is also installed: AMP - AMPZ valve VCZ1-2-3-4 X4L/R and all the condensate collection trays.

Ventilcassaforma

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
CHF17	P,PR	.	.	.	.																
	PPC	.			.																
CHF22	P,PO,POR,PR					.	.	.	.												
	PPC					.			.												
CHF32	P,PO,POR,PR									.	.	.	.								
	PPC									.			.								
CHF42	P,PO,POR,PR													.	.	.	.	.	.	.	.
	PPC													.		.	.	.	.	.	.

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
CHF62	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PO,POR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Wall mounting and duct type installation accessories

Lower intake grille

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
GA17	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GA22	P,PO,POR,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GA32	P,PO,POR,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GA42	P,PO,POR,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
GA62	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PO,POR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Intake grilles with fixed fins and filter

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
GAF17	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GAF22	P,PO,POR,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GAF32	P,PO,POR,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GAF42	P,PO,POR,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
GAF62	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PO,POR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Delivery grilles with adjustable fins

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
GM17	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GM22	P,PO,POR,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GM32	P,PO,POR,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GM42	P,PO,POR,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
GM62	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PO,POR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Intake plenum in sheet metal complete with connectors for circular channels

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
PA17	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PA22	P,PO,POR,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PA32	P,PO,POR,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PA42	P,PO,POR,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
PA62	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PO,POR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	PPC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Intake plenum providing recovery and delivery on the same side

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
PA17F	P,PR	*	*	*	*																
	PPC	*			*																
PA22F	P,PO,POR,PR					*	*	*	*												
	PPC					*			*												
PA32F	P,PO,POR,PR									*	*	*	*								
	PPC									*			*								
PA42F	P,PO,POR,PR													*	*	*	*	*	*	*	*
	PPC													*		*	*	*	*	*	*

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
PA62F	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PPC	*			*	*			*	*			*	*		*	*	

Delivery plenum with circular flanges.

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
PM17	P,PR	*	*	*	*																
	PPC	*			*																
PM22	P,PO,POR,PR					*	*	*	*												
	PPC					*			*												
PM32	P,PO,POR,PR									*	*	*	*								
	PPC									*			*								
PM42	P,PO,POR,PR													*	*	*	*	*	*	*	*
	PPC													*		*	*	*	*	*	*
Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001			
PM62	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*			
	PO,POR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*			
	PPC	*			*	*			*	*			*	*		*	*				

Straight delivery coupling

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
RD17	P,PR	*	*	*	*																
	PPC	*			*																
RD22	P,PO,POR,PR					*	*	*	*												
	PPC					*			*												
RD32	P,PO,POR,PR									*	*	*	*								
	PPC									*			*								
RD42	P,PO,POR,PR													*	*	*	*	*	*	*	*
	PPC													*		*	*	*	*	*	*
Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001			
RD62	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*			
	PO,POR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*			
	PPC	*			*	*			*	*			*	*		*	*				

Straight suction coupling

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
RDA22	P,PO,POR,PR					*	*	*	*												
	PPC					*			*												
RDA32	P,PO,POR,PR									*	*	*	*								
	PPC								*				*								
RDA42	P,PO,POR,PR													*	*	*	*	*	*	*	*
	PPC													*		*	*	*	*	*	*

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
RDA62	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PPC	*			*	*			*	*			*	*		*	*	

90° delivery coupling.

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
RP17	P,PR	*	*	*	*																
	PPC	*			*																
RP22	P,PO,POR,PR					*	*	*	*												
	PPC					*			*												
RP32	P,PO,POR,PR									*	*	*	*								
	PPC								*				*								
RP42	P,PO,POR,PR													*	*	*	*	*	*	*	*
	PPC													*		*	*	*	*	*	*

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
RP62	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR	*	*	*	*	*	*	*	*					*	*	*		
	PPC	*			*	*			*	*			*	*		*	*	

90° suction coupling.

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
RPA22	P,PO,POR,PR					*	*	*	*												
	PPC					*			*												
RPA32	P,PO,POR,PR									*	*	*	*								
	PPC									*			*								
RPA42	P,PO,POR,PR													*	*	*	*	*	*	*	*
	PPC													*			*	*			*

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
RPA62	P,PR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	PO,POR	*	*	*	*	*	*	*	*					*	*	*		
	PPC	*			*	*			*	*			*	*		*	*	

Accessories for ducting

Plenum with motorised dampers.

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
MZC220	PO,POR					*	*	*	*												
MZC320	PO,POR									*	*	*	*								
MZC530	PO,POR													*	*	*	*	*	*	*	*

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
MZC830	PO,POR	*	*	*	*	*	*	*	*					*	*	*		

Straight intake connection with rectangular flange.

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
RDA000V	PO,POR					*	*	*	*												
RDA100V	PO,POR									*	*	*	*								
RDA200V	PO,POR													*	*	*	*	*	*	*	*

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
RDA300V	PO,POR	*	*	*	*	*	*	*	*					*	*	*		

Intake plenum with rectangular flange.

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
RPA000V	PO,POR					*	*	*	*												
RPA100V	PO,POR									*	*	*	*								
RPA200V	PO,POR													*	*	*	*	*	*	*	*

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
RPA300V	PO,POR	*	*	*	*	*	*	*	*					*	*	*		

Suction plenum with plastic circular flanges.

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
PA000V	PO,POR					*	*	*	*												
PA100V	PO,POR									*	*	*	*								
PA200V	PO,POR													*	*	*	*	*	*	*	*

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
PA300V	PO,POR	*	*	*	*	*	*	*	*					*	*	*		

Internally insulated delivery plenum with circular flanges.

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
PM000V	PO,POR					*	*	*	*												
PM100V	PO,POR									*	*	*	*								
PM200V	PO,POR													*	*	*	*	*	*	*	*

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
PM300V	PO,POR	*	*	*	*	*	*	*	*					*	*	*		

Internally insulated delivery plenum with rectangular flange.

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
RPM000V	PO,POR					*	*	*	*												
RPM100V	PO,POR									*	*	*	*								
RPM200V	PO,POR													*	*	*	*	*	*	*	*

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
RPM300V	PO,POR	*	*	*	*	*	*	*	*					*	*	*		

Straight delivery coupling in galvanised sheet metal.

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
RDM000V	PO,POR					*	*	*	*												
RDM100V	PO,POR									*	*	*	*								
RDM200V	PO,POR													*	*	*	*	*	*	*	*
Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001			
RDM300V	PO,POR	*	*	*	*	*	*	*	*						*	*	*				

Straight discharge internally insulated, with circular flanges.

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
RDMC000V	PO,POR					*	*	*	*												
RDMC100V	PO,POR									*	*	*	*								
RDMC200V	PO,POR													*	*	*	*	*	*	*	*
Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001			
RDMC300V	PO,POR	*	*	*	*	*	*	*	*						*	*	*				

PERFORMANCE DATA FOR UNITS WITHOUT HEAD (EUROVENT CERTIFICATE FC-H)

2-pipe

	FCZ100P			FCZ150P			FCZ200P			FCZ250P			FCZ300P			FCZ350P			FCZ400P			FCZ450P			FCZ500P			FCZ550P		
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H

Heating performance 70 °C / 60 °C (1)

Heating capacity	kW	1,45	2,00	2,40	1,55	2,19	2,65	2,02	2,95	3,70	2,20	3,18	4,05	3,47	4,46	5,50	3,77	4,92	6,15	4,32	5,74	7,15	4,57	6,29	7,82	5,27	7,31	8,50	5,82	8,34	9,75
Water flow rate system side	l/h	125	172	206	136	192	232	177	258	324	193	278	355	304	391	482	330	431	539	379	503	627	400	551	685	462	641	745	510	731	855
Pressure drop system side	kPa	4	7	9	5	9	12	6	12	18	7	15	23	7	12	18	8	14	20	9	16	24	6	11	16	12	21	28	10	20	26

Heating performance 45 °C / 40 °C (2)

Heating capacity	kW	0,72	0,99	1,19	0,77	1,09	1,31	1,00	1,46	1,84	1,09	1,58	2,01	1,72	2,21	2,73	1,87	2,44	3,06	2,14	2,85	3,55	2,27	3,12	3,88	2,62	3,63	4,22	2,89	4,14	4,85
Water flow rate system side	l/h	126	173	207	134	189	229	174	254	319	190	274	350	299	385	475	325	425	531	373	495	617	394	543	675	455	631	734	502	720	842
Pressure drop system side	kPa	4	7	10	5	9	12	6	12	18	8	15	22	8	12	18	8	14	20	10	16	24	6	11	16	12	21	28	10	20	26

Cooling performance 7 °C / 12 °C (3)

Cooling capacity	kW	0,65	0,84	1,00	0,65	0,84	1,00	0,89	1,28	1,60	1,06	1,55	1,94	1,68	2,17	2,65	1,89	2,46	3,02	2,20	2,92	3,60	2,41	3,21	4,03	2,68	3,69	4,25	2,91	4,13	4,79
Sensible cooling capacity	kW	0,51	0,69	0,83	0,51	0,69	0,83	0,71	1,05	1,33	0,79	1,20	1,52	1,26	1,65	2,04	1,33	1,76	2,18	1,59	2,14	2,67	1,69	2,30	2,90	1,94	2,73	3,18	2,07	2,98	3,49
Water flow rate system side	l/h	112	144	172	112	144	172	153	221	275	182	267	334	288	374	456	350	460	560	379	503	619	414	552	694	460	634	731	501	711	824
Pressure drop system side	kPa	4	6	8	4	6	8	6	12	18	8	17	25	8	13	18	11	18	25	10	16	24	9	15	22	13	22	29	12	22	28

Fan

Type	type	Centrifugal																													
Fan motor	type	Asynchronous																													
Number	no.	1			1			1			1			2			2			2			2			2					
Air flow rate	m³/h	110	160	200	110	160	200	140	220	290	140	220	290	260	350	450	260	350	450	330	460	600	330	460	600	400	600	720	400	600	720
Input power	W	19	29	35	19	29	35	25	29	33	25	29	33	25	33	44	25	33	44	30	43	57	30	43	57	38	52	76	38	52	76
Electrical wiring		V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3

Fan coil sound data (4)

Sound power level	dB(A)	31,0	38,0	45,0	31,0	38,0	45,0	35,0	46,0	51,0	35,0	46,0	51,0	34,0	41,0	48,0	34,0	41,0	48,0	37,0	44,0	51,0	37,0	44,0	51,0	42,0	51,0	56,0	42,0	51,0	56,0
Sound pressure	dB(A)	23,0	30,0	37,0	23,0	30,0	37,0	27,0	38,0	43,0	27,0	38,0	43,0	26,0	33,0	40,0	26,0	33,0	40,0	29,0	36,0	43,0	29,0	36,0	43,0	34,0	43,0	48,0	34,0	43,0	48,0

Water coil

Water content main coil	l	0,4			0,5			0,5			0,7			0,8			1,0			1,0			1,4			1,0			1,4	
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Diameter hydraulic fittings

Main coil	Ø	1/2"			1/2"			1/2"			1/2"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"	
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	FCZ600P			FCZ650P			FCZ700P			FCZ750P			FCZ800P			FCZ850P			FCZ900P			FCZ950P			FCZ1000P		
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H

Heating performance 70 °C / 60 °C (1)

Heating capacity	kW	6,50	8,10	10,00	7,19	9,15	11,50	8,10	9,80	11,00	9,10	11,30	12,50	9,80	10,80	12,00	11,30	12,35	14,00	10,77	13,35	15,14	11,20	14,42	17,10	12,53	15,24	17,02
Water flow rate system side	l/h	570	710	877	631	802	1008	710	860	964	798	991	1096	859	947	1052	991	1083	1227	945	1171	1328	982	1264	1500	1101	1337	1493
Pressure drop system side	kPa	12	18	26	14	21	31	17	24	29	10	15	18	22	27	32	17	20	25	12	17	22	16	24	33	22	32	38

Heating performance 45 °C / 40 °C (2)

Heating capacity	kW	3,32	4,03	4,97	3,57	4,55	5,72	4,03	4,87	5,47	4,52	5,62	6,21	4,87	5,37	5,97	5,62	6,14	6,96	5,35	6,64	7,53	5,57	7,17	8,50	6,24	7,58	8,46
Water flow rate system side	l/h	561	699	863	621	790	993	699	846	950	786	975	1079	846	932	1036	975	1066	1209	930	1152	1307	967	1245	1476	1084	1316	1469
Pressure drop system side	kPa	12	18	26	14	20	31	16	24	29	10	14	18	22	26	32	17	20	25	12	17	22	15	24	33	22	31	38

Cooling performance 7 °C / 12 °C (3)

Cooling capacity	kW	3,22	3,90	4,65	3,95	4,80	5,67	3,92	4,89	5,50	4,27	5,34	6,14	4,84	5,66	6,10	5,26	6,29	6,91	4,29	5,00	6,91	5,77	7,32	8,60	5,69	6,88	7,62
Sensible cooling capacity	kW	2,56	3,17	3,92	2,78	3,43	4,12	2,99	3,76	4,30	3,20	4,05	4,72	3,72	4,42	4,83	4,00	4,83	5,36	2,97	3,78	5,68	3,80	4,87	5,78	4,42	5,34	5,53
Water flow rate system side	l/h	554	671	800	595	825	975	675	841	946	734	918	1056	833	974	1049	904	1082	1189	738	860	1189	992	1259	1479	979	1183	1311
Pressure drop system side	kPa	14	19	26	15	21	28	16	24	30	10	14	18	20	26	30	14	20	23	10	12	22	15	22	30	22	31	36

Fan

Type	type	Centrifugal																										
Fan motor	type	Asynchronous																										
Number	no.	3			3			3			3			3			3			3			3					
Air flow rate	m³/h	520	720	920	520	720	920	700	930	1140	700	930	1140	900	1120	1300	900	1120	1300	700	930	1140	700	930	1140	900	1120	1300
Input power	W	38	60	91	38	60	91	59	80	106	59	80	106	80	100	131	80	100	131	59	80	106	59	80	106	80	100	131
Electrical wiring		V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3

Fan coil sound data (4)

Sound power level	dB(A)	42,0	51,0	57,0	42,0	51,0	57,0	50,0	57,0	62,0	50,0	57,0	62,0	56,0	61,0	66,0	56,0	61,0	66,0	51,0	57,0	62,0	51,0	57,0	62,0	56,0	61,0	66,0
Sound pressure	dB(A)	34,0	43,0	49,0	34,0	43,0	49,0	42,0	49,0	54,0	42,0	49,0	54,0	48,0	53,0	58,0	48,0	53,0	58,0	43,0	49,0	54,0	43,0	49,0	54,0	48,0	53,0	58,0

Water coil

Water content main coil	l	1,2			1,6			1,2			1,6			1,2			1,6			1,8			2,3			1,8		
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Diameter hydraulic fittings

Main coil	Ø																													
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(1) Room air temperature 20 °C d.b.; Water (in/out) 70 °C/60 °C

(2) Room air temperature 20 °C d.b.; Water

4-pipe

	FCZ101P			FCZ201P			FCZ301P			FCZ401P			FCZ501P			FCZ601P			FCZ701P			FCZ801P			FCZ901P			FCZ1001P				
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H		
Heating performance 65 °C / 55 °C (1)																																
Heating capacity	kW		0,75	1,01	1,17	1,02	1,35	1,60	1,80	2,18	2,56	2,21	2,65	3,12	2,59	3,34	3,73	2,96	3,67	4,36	3,66	4,29	4,94	4,20	4,79	5,35	4,73	5,63	5,72	4,85	5,56	6,08
Water flow rate system side	l/h		65	89	102	89	118	140	158	191	224	186	232	273	227	293	327	259	321	381	320	375	437	368	419	467	414	492	501	424	487	532
Pressure drop system side	kPa		2	4	4	4	8	10	16	23	30	4	6	8	6	8	10	8	12	16	11	14	18	16	20	24	8	12	12	10	14	16
Cooling performance 7 °C / 12 °C (2)																																
Cooling capacity	kW		0,65	0,84	1,00	0,89	1,28	1,60	1,68	2,17	2,65	2,20	2,92	3,60	2,68	3,69	4,25	3,22	3,90	4,65	3,92	4,89	5,50	4,84	5,66	6,10	4,29	5,00	6,91	5,69	6,88	7,62
Sensible cooling capacity	kW		0,51	0,69	0,83	0,71	1,05	1,33	1,26	1,65	2,04	1,59	2,14	2,67	1,94	2,73	3,18	2,56	3,17	3,92	2,99	3,76	4,30	3,72	4,42	4,83	2,97	3,78	5,68	4,42	5,34	5,53
Water flow rate system side	l/h		112	144	172	153	221	275	288	374	456	379	503	619	460	634	731	554	671	800	675	841	946	833	974	1049	738	860	1189	979	1183	1311
Pressure drop system side	kPa		4	6	8	6	12	18	8	13	18	10	16	24	13	22	29	14	19	26	16	24	30	20	26	30	10	12	22	22	31	36
Fan																																
Type	type		Centrifugal																													
Fan motor	type		Asynchronous																													
Number	no.		1			1			2			2			2			3			3			3			3			3		
Air flow rate	m³/h		110	160	200	140	220	290	260	350	450	330	460	600	400	600	720	520	720	920	700	930	1140	900	1120	1300	700	930	1140	900	1120	1300
Input power	W		19	29	35	25	29	33	25	33	44	30	43	57	38	52	76	38	60	91	59	80	106	80	100	131	59	80	106	80	100	131
Electrical wiring			V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3
Fan coil sound data (3)																																
Sound power level	dB(A)		31,0	38,0	45,0	35,0	46,0	51,0	34,0	41,0	48,0	37,0	44,0	51,0	42,0	51,0	56,0	42,0	51,0	57,0	50,0	57,0	62,0	56,0	61,0	66,0	51,0	57,0	62,0	56,0	61,0	66,0
Sound pressure	dB(A)		23,0	30,0	37,0	27,0	38,0	43,0	26,0	33,0	40,0	29,0	36,0	43,0	34,0	43,0	48,0	34,0	43,0	49,0	42,0	49,0	54,0	48,0	53,0	58,0	43,0	49,0	54,0	48,0	53,0	58,0
Water coil																																
Water content main coil	l		0,4			0,5			0,8			1,0			1,0			1,2			1,2			1,2			1,8			1,8		
Water content the secondary coil	l		0,1			0,2			0,3			0,3			0,3			0,4			0,4			0,4			0,7			0,7		
Diameter hydraulic fittings																																
Main coil	Ø		1/2"			1/2"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"		
Secondary coil	Ø		1/2"																													

(1) Room air temperature 20°C d.b.; Water (in/out) 65 °C/55 °C; EUROVENT

(2) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT

(3) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583:15, respecting the Eurovent certification.

PERFORMANCE DATA FOR UNITS WITH HEAD (EUROVENT CERTIFICATE FCP-H)

2-pipe

	FCZ200PO			FCZ250PO			FCZ300PO			FCZ350PO			FCZ400PO			FCZ450PO			FCZ500PO			FCZ550PO		
	2	4	6	2	4	6	1	4	6	1	4	6	1	3	6	1	3	6	1	5	6	1	5	6
	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H

Heating performance 70 °C / 60 °C (1)

Heating capacity	kW	2,11	3,00	3,32	2,29	3,24	3,60	3,50	5,03	5,45	3,80	5,59	6,10	4,49	6,02	6,74	4,79	6,62	7,40	5,27	7,22	7,59	5,81	8,25	8,67
Water flow rate system side	l/h	182	258	285	197	279	310	301	433	469	327	481	524	386	517	580	412	569	637	453	621	652	500	709	746
Pressure drop system side	kPa	7	12	15	9	16	19	8	15	18	9	18	21	11	18	22	7	12	15	12	21	23	10	19	21

Heating performance 45 °C / 40 °C (2)

Heating capacity	kW	1,05	1,49	1,65	1,14	1,61	1,79	1,74	2,50	2,71	1,89	2,78	3,03	2,23	2,99	3,35	2,38	3,29	3,68	2,62	3,59	3,77	2,89	4,10	4,31
Water flow rate system side	l/h	160	224	248	196	277	308	299	430	466	325	478	521	383	514	576	409	566	633	451	617	648	497	705	741
Pressure drop system side	kPa	7	12	15	9	16	19	8	15	18	9	18	21	11	18	22	7	12	15	12	21	23	10	19	21

Cooling performance 7 °C / 12 °C (3)

Cooling capacity	kW	0,93	1,30	1,44	1,11	1,59	1,74	1,70	2,40	2,63	1,91	2,77	3,00	2,29	3,06	3,41	2,51	3,37	3,79	2,68	3,65	3,82	2,91	4,08	4,28
Sensible cooling capacity	kW	0,74	1,14	1,18	0,83	1,23	1,36	1,27	1,86	2,03	1,34	1,99	2,16	1,66	2,24	2,52	1,76	2,42	2,73	1,94	2,70	2,83	2,07	2,94	3,09
Water flow rate system side	l/h	160	224	248	191	273	299	292	413	452	328	476	516	394	526	586	432	580	652	461	628	657	500	702	736
Pressure drop system side	kPa	8	13	15	9	18	21	8	16	18	11	22	25	11	18	22	11	16	20	13	22	24	12	21	23

Fan

Type	type	Centrifugal																							
Fan motor	type	Asynchronous																							
Number	no.	1			1			2			2			2			2			2			2		
Air flow rate	m³/h	148	226	254	148	226	254	263	404	446	263	404	446	346	487	559	346	487	559	400	592	627	400	592	627
High static pressure	Pa	21	50	63	21	50	63	21	50	61	21	50	61	25	50	66	25	50	66	22	50	56	22	50	56
Input power	W	28	41	74	28	41	74	38	55	78	38	55	78	53	63	102	53	63	102	49	80	627	49	80	627
Electrical wiring		V2	V4	V6	V2	V4	V6	V1	V4	V6	V1	V4	V6	V1	V3	V6	V1	V3	V6	V1	V5	V6	V1	V5	V6

Duct type fan coil sound data (4)

Sound power level (inlet + radiated)	dB(A)	41,0	56,0	59,0	41,0	56,0	59,0	39,0	51,0	54,0	39,0	51,0	54,0	44,0	54,0	55,0	44,0	54,0	55,0	45,0	55,0	57,0	45,0	55,0	57,0
Sound power level (outlet)	dB(A)	37,0	52,0	55,0	37,0	52,0	55,0	35,0	47,0	49,0	35,0	47,0	49,0	40,0	50,0	52,0	40,0	50,0	52,0	41,0	51,0	53,0	41,0	51,0	53,0

Water coil

Water content main coil	l	0,5			0,7			0,8			1,0			1,0			1,4			1,0			1,4		
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Diameter hydraulic fittings

Main coil	Ø	1/2"			1/2"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"		
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	FCZ600PO			FCZ650PO			FCZ700PO			FCZ750PO			FCZ900PO			FCZ950PO		
	1	4	7	1	4	7	2	5	7	2	5	7	2	5	7	2	5	7
	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H

Heating performance 70 °C / 60 °C (1)

Heating capacity	kW	6,86	8,55	10,00	7,63	9,72	11,51	8,77	10,10	10,52	10,02	11,65	12,09	11,81	13,80	14,45	12,43	15,07	16,00
Water flow rate system side	l/h	590	735	860	656	836	990	754	868	905	862	1002	1040	1016	1187	1242	1069	1296	1375
Pressure drop system side	kPa	12	20	26	15	23	31	19	25	27	12	15	16	14	18	20	19	26	29

Heating performance 45 °C / 40 °C (2)

Heating capacity	kW	3,41	4,25	4,97	3,79	4,83	5,72	4,36	5,02	5,23	4,98	5,79	6,01	5,87	6,86	7,18	6,18	7,49	7,95
Water flow rate system side	l/h	586	731	855	652	831	984	750	863	899	856	996	1034	1009	1180	1235	1063	1288	1367
Pressure drop system side	kPa	13	20	26	15	23	31	19	25	27	12	15	16	14	18	20	19	26	29

Cooling performance 7 °C / 12 °C (3)

Cooling capacity	kW	3,37	4,08	4,65	4,15	5,02	5,67	4,24	4,97	5,18	4,69	5,53	5,80	4,38	5,33	5,95	6,35	7,62	8,07
Sensible cooling capacity	kW	2,70	3,34	3,92	2,93	3,60	4,12	3,24	3,83	4,02	3,53	4,20	4,41	3,11	4,11	4,73	4,20	5,08	5,40
Water flow rate system side	l/h	580	702	800	580	702	800	729	855	28	807	951	997	753	917	1023	1092	1310	1388
Pressure drop system side	kPa	15	21	26	16	23	28	20	26	28	12	16	17	10	14	17	18	24	27

Fan

Type	type	Centrifugal																							
Fan motor	type	Asynchronous																							
Number	no.	3			3			3			3			3			3			3			3		
Air flow rate	m³/h	567	770	920	567	770	920	785	978	1050	785	978	1050	785	978	1050	785	978	1050	785	978	1050	785	978	1050
High static pressure	Pa	27	50	71	27	50	71	32	50	58	32	50	58	32	50	58	32	50	58	32	50	58	32	50	58
Input power	W	66	89	118	66	89	118	92	117	138	92	117	138	92	117	138	92	117	138	92	117	138	92	117	138
Electrical wiring		V1	V4	V7	V1	V4	V7	V2	V5	V7	V2	V5	V7	V2	V5	V7	V2	V5	V7	V2	V5	V7	V2	V5	V7

Duct type fan coil sound data (4)

Sound power level (inlet + radiated)	dB(A)	46,0	56,0	61,0	46,0	56,0	61,0	54,0	60,0	62,0	54,0	60,0	62,0	54,0	60,0	62,0	54,0	60,0	62,0
Sound power level (outlet)	dB(A)	44,0	54,0	60,0	44,0	54,0	60,0	52,0	59,0	61,0	52,0	59,0	61,0	52,0	59,0	61,0	52,0	59,0	61,0

Water coil

Water content main coil	l	1,2			1,6			1,2			1,6			1,8			2,3		
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Diameter hydraulic fittings

Main coil	Ø	3/4"																							
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(1) Room air temperature 20 °C d.b.; Water (in/out) 70 °C/60 °C

(2) Room air temperature 20 °C d.b.; Water (in/out) 45 °C/40 °C; EUROVENT

(3) Room air temperature 27 °C d.b./19 °C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT

(4) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583:15, respecting the Eurovent certification.

4-pipe

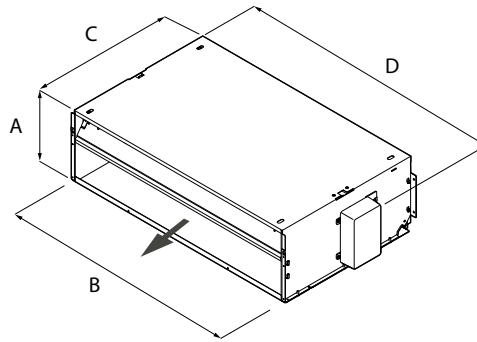
		FCZ201P0			FCZ301P0			FCZ401P0			FCZ501P0			FCZ601P0			FCZ701P0			FCZ901P0		
		2	4	6	1	4	6	1	3	6	1	5	6	1	4	7	2	5	7	2	5	7
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 65 °C / 55 °C (1)																						
Heating capacity	kW	1,06	1,37	1,48	1,82	2,39	2,55	2,19	2,75	2,99	2,59	3,30	3,34	3,13	3,85	4,35	4,13	4,40	4,60	5,16	5,71	5,77
Water flow rate system side	l/h	93	120	130	159	210	223	192	240	262	226	290	301	274	336	381	361	385	403	452	500	504
Pressure drop system side	kPa	5	8	9	8	12	14	5	7	8	6	9	9	9	13	16	16	15	17	10	12	12
Cooling performance 7 °C / 12 °C (2)																						
Cooling capacity	kW	0,93	1,30	1,44	1,70	2,40	2,63	2,29	3,06	3,41	2,68	3,65	3,82	3,37	4,08	4,65	4,24	4,97	5,18	4,38	5,33	5,95
Sensible cooling capacity	kW	0,74	1,14	1,18	1,27	1,86	2,03	1,66	2,24	2,52	1,94	2,70	2,83	2,70	3,34	3,92	3,24	3,83	4,02	3,11	4,11	4,73
Water flow rate system side	l/h	160	224	248	292	413	452	394	526	586	461	628	657	580	702	800	729	855	28	753	917	1023
Pressure drop system side	kPa	8	13	15	8	16	18	11	18	22	13	22	24	15	21	26	20	26	28	10	14	17
Fan																						
Type	type	Centrifugal																				
Fan motor	type	Asynchronous																				
Number	no.	1			2			2			2			3			3			3		
Air flow rate	m³/h	148	226	254	263	404	446	346	487	559	400	592	627	567	770	920	785	978	1050	785	978	1050
High static pressure	Pa	21	50	63	21	50	61	25	50	66	22	50	56	27	50	71	32	50	58	32	50	58
Input power	W	28	41	74	38	55	78	53	63	102	49	80	627	66	89	118	92	117	138	92	117	138
Electrical wiring		V2	V4	V6	V1	V4	V6	V1	V3	V6	V1	V5	V6	V1	V4	V7	V2	V5	V7	V2	V5	V7
Duct type fan coil sound data (3)																						
Sound power level (inlet + radiated)	dB(A)	41,0	56,0	59,0	39,0	51,0	54,0	44,0	54,0	55,0	45,0	55,0	57,0	46,0	56,0	61,0	54,0	60,0	62,0	54,0	60,0	62,0
Sound power level (outlet)	dB(A)	37,0	52,0	55,0	35,0	47,0	49,0	40,0	50,0	52,0	41,0	51,0	53,0	44,0	54,0	60,0	52,0	59,0	61,0	52,0	59,0	61,0
Water coil																						
Water content main coil	l	0,5			0,8			1,0			1,0			1,2			1,2			1,8		
Water content the secondary coil	l	0,2			0,3			0,3			0,3			0,4			0,4			0,7		
Diameter hydraulic fittings																						
Main coil	Ø	1/2"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"		
Secondary coil	Ø	1/2"																				

(1) Room air temperature 20°C d.b.; Water (in/out) 65 °C/55 °C; EUROVENT

(2) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT

(3) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583:15, respecting the Eurovent certification.

DIMENSIONS



		FCZ100P	FCZ150P	FCZ200P	FCZ250P	FCZ300P	FCZ350P	FCZ400P	FCZ450P	FCZ500P	FCZ550P
Dimensions and weights											
A	mm	216	216	216	216	216	216	216	216	216	216
B	mm	412	412	522	522	753	753	973	973	973	973
C	mm	453	453	453	453	453	453	453	453	453	453
D	mm	452	452	562	562	793	793	1013	1013	1013	1013
Net weight	kg	12	13	12	14	14	16	20	22	23	24

		FCZ600P	FCZ650P	FCZ700P	FCZ750P	FCZ800P	FCZ850P	FCZ900P	FCZ950P	FCZ1000P
Dimensions and weights										
A	mm	216	216	216	216	216	216	216	216	216
B	mm	1122	1122	1122	1122	1122	1122	1122	1122	1122
C	mm	453	453	453	453	453	453	558	558	558
D	mm	1147	1147	1147	1147	1147	1147	1147	1147	1147
Net weight	kg	29	31	29	31	29	31	32	32	32

		FCZ101P	FCZ102P	FCZ201P	FCZ202P	FCZ301P	FCZ302P	FCZ401P	FCZ402P	FCZ501P	FCZ502P
Dimensions and weights											
A	mm	216	216	216	216	216	216	216	216	216	216
B	mm	412	412	522	522	753	753	973	973	973	973
C	mm	453	453	453	453	453	453	453	453	453	453
D	mm	452	452	562	562	793	793	1013	1013	1013	1013
Net weight	kg	12	13	13	14	15	16	21	22	23	24

		FCZ601P	FCZ602P	FCZ701P	FCZ702P	FCZ801P	FCZ802P	FCZ901P	FCZ1001P
Dimensions and weights									
A	mm	216	216	216	216	216	216	216	216
B	mm	1122	1122	1122	1122	1122	1122	1122	1122
C	mm	453	453	453	453	453	453	558	558
D	mm	1147	1147	1147	1147	1147	1147	1147	1147
Net weight	kg	30	31	30	31	30	31	32	32

Aermec reserves the right to make any modifications deemed necessary.
All data is subject to change without notice. Aermec does not assume responsibility or liability for errors or omissions.

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FCZI P

Fan coil unit for ducted installations

Cooling capacity 0,89 ÷ 8,60 kW
Heating capacity 2,02 ÷ 17,02 kW

- Electric saving equal to 50% with respect to a fan coil with 3-speed motor
- Suitable for duct-type installations too
- Total comfort: reduced variations in temperature and relative humidity
- Vertical and horizontal installation
- Very quiet



DESCRIPTION

fan coil can be installed in any 2/4 pipe system and operates with any heat generator even at low temperatures, and thanks to varied versions and settings, it is easy to pick the ideal solution for any need.

FEATURES

Ventilation group

Centrifugal fans in anti-static plastic material with aerofoil profile designed to achieve high airflows and pressures whilst at the same time producing low noise.

Their characteristics permit energy savings compared to conventional fans.

They are statically and dynamically balanced and directly coupled to the motor shaft.

The Brushless electric motor with 0-100% continuous speed variation, which allows precise adaptation to the real demands of the internal environment without temperature fluctuations.

Heat exchanger coil

With copper pipes and aluminium fins, the standard or oversized main coil and the possible secondary coil have female gas water connections on the left side and the manifolds have air vents.

The coil is not suitable for use in corrosive atmosphere or in environments where aluminium may be subject to corrosion.

Reversibility of the water connections during installation only for units with a standard or boosted main coil, or standard with BV accessory. Not reversible in all other configurations. In any case, units with the coil water connections on the right are available at the time of ordering.

Condensate drip

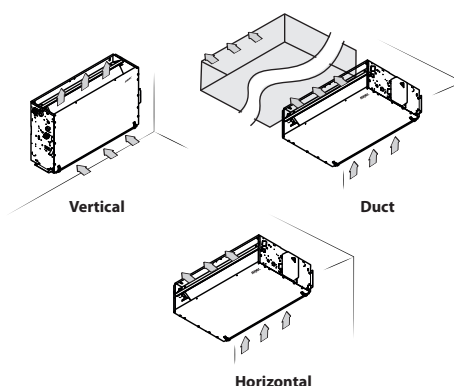
Provided standard in plastic and fixed to the interior structure; with external condensate discharge.

Air filter

Air filter class Coarse 25% for all versions easy to pull out and clean.

VERSIONS

Flush-mounting and duct-type versions



In the standard configuration there is no useful static pressure available. If necessary for canaled installations, you must act on the engine dip switches, for more details refer to the technical documentation.

GUIDE TO SELECTING THE POSSIBLE CONFIGURATIONS

Field	Description
1,2,3,4	FCZI
5	Size 2, 3, 4, 5, 7, 9
6	Main coil
0	Standard
5	Oversized
7	Secondary coil

SIZE AVAILABLE FOR VERSION

Size	200	201	202	250	300	301	302	350	400	401	402	450
Versions produced (by size)												
Versions available (by size)	P,PR	*	*	*	*	*	*	*	*	*	*	*
	500	501	502	550	700	701	702	750	900	901	950	
Versions produced (by size)												
Versions available (by size)	P,PR	*	*	*	*	*	*	*	*	*	*	*

ACCESSORIES

Control panels

AER503IR: Flush-mounting thermostat with backlit display, capacitive keypad and infrared receiver, for controlling both brushless fan coils and those with an asynchronous motor. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices (Cold Plasma and germicidal lamp), with radiant plate or with FCZ-D twin delivery (Dualjet). In addition, it can control systems with radiant panels or mixed (fan coil and radiant floor) systems. Being equipped with an infrared receiver, it can, in turn, be controlled by the VMF-IR remote control.

PRO503: Wall box for AER503IR and VMF-E4 thermostats.

PXAI: Thermostat on the machine for controlling the fan coils (both with asynchronous and brushless motors), complete with water and air probes to be positioned in the relative seats, and a plastic support to fix

VMF system

VMF-E19I: Thermostat for inverter unit to be fixed on the side of the fan coil, fitted as standard with an air and water probe.

VMF-E3: Wall mounted user interface, to be combined with accessories VMF-E19, VMF-E19I, VMF-E0X with grids GLF_N/M and GLL_N, can be controlled with VMF-IR control.

VMF-E4DX: Wall-mounted user interface. Grey front panel PANTONE 425C (METAL).

Water valves

VCZ_X: 3-way valve kit for single-coil fan coil, RH connections, for 4-pipe systems. With totally separate "heating" and "cooling" circuits. This kit consists of two 3-way insulated valves and four connections, complete with electrothermal actuators, insulating shells for the valves,

(Heating only) additional coil

BV: Single row hot water heat exchanger.

Installation accessories

AMP: Wall mounting kit

DSC: Condensate drainage device.

BC: Condensate drip.

BCZ: Condensate drip.

Ventilcassaforma: Galvanised sheet metal template. It makes it possible to obtain directly in the wall a space for housing the fan coil.

GA: Intake grid with fixed louvers

GAF: Intake grid with filter and fixed louvers

GM: Flow grid with adjustable louvers.

PA: Intake plenum in galvanised sheet metal, complete with suction couplings for circular-section ducts.

PAF: Intake plenum providing recovery and delivery on the same side, for all installations where the machine needs to be positioned outside the air conditioned rooms to minimise the noise levels and facilitate maintenance.

PM: Delivery plenum with circular flanges. Sandwich structure in hot galvanised steel, with interposed polyurethane foam (40 kg/m³). The panel is 15 mm thick. It is installed in place of the delivery panel with a rectangular flange, using the same 4 self-threading screws.

Field	Description
0	Without coil
1	Standard
2	Oversized
8	Version
P	Flush-mounting, without cabinet
PR	Flush-mounting, without cabinet, with water connections on right-hand side

it on the side of the unit. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, purifier devices (Cold Plasma and germicidal lamp), or radiant plate.

SA5: air probe kit (L = 15 m) with probe-locking cable grommet.

SW3: Water probe (L = 2.5 m) for controlling the minimum and maximum and to allow automatic seasonal switching for electronic thermostats fitted with water side changeover.

SW5: water probe kit (L = 15m) with probe-holder connection point, fixing clip and probe-holder from heat exchanger.

TX: Wall-mounting thermostat for controlling either brushless fan coils or those with asynchronous motors. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices, radiant plate or FCZ-D twin delivery (Dualjet).

VMF-E4X: Wall-mounted user interface. Light grey front panel PANTONE COOL GRAY 1C.

VMF-IR: User interface compatible with the AER503IR thermostat and with all the grids of cassettes equipped with the infrared receiver compatible with the VMF system.

VMF-SW: Water temperature probe.

VMF-SW1: Extra water probe to be used for 4-pipe systems.

and the relative hydraulic couplings. X4L version for fan coils with LH connections, and X4R for fan coils with RH connections. 230V~50Hz power supply.

RD: Straight delivery coupling for canalisation.

RDA: Straight suction coupling for canalisation.

RP: 90° delivery coupling.

RPA: 90° suction coupling.

Accessories for ducting

MZC: Plenum with motorised dampers.

RDA_V: Straight intake connection with rectangular flange.

RPA_V: Suction plenum with rectangular flange; both sides have a circular push-out Ø 150mm that can be removed.

RDA_C: Straight intake connection with circular flanges.

PA_V: Suction plenum with circular plastic flanges; both sides have a circular push-out Ø 150mm that can be removed.

PM_V: Internally insulated delivery plenum with circular flanges; both sides have a circular push-out Ø 150mm that can be removed.

RPM_V: Internally insulated delivery plenum with rectangular flange; both sides have a circular push-out Ø 150mm that can be removed.

RDM_V: Straight delivery coupling in galvanised sheet metal.

RDM_C: Straight discharge internally insulated, with circular flanges.

ACCESSORIES COMPATIBILITY

Control panels

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
AER503IR (1)	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRO503	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PXA1	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SA5 (2)	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SW3 (2)	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SWS (2)	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TX (1)	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

(1) Wall-mount installation.

(2) Probe for AER503IR-TX thermostats, if fitted.

VMF system

For more information about VMF system, refer to the dedicated documentation.

VMF system

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
VMF-E19I	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VMF-E3	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VMF-E4DX	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VMF-E4X	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VMF-IR	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VMF-SW	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VMF-SW1	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Water valves

Valve Kit for 4 pipe systems - Requires a thermostat with valve management

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
VCZ1X4L (1)	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VCZ1X4R (1)	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VCZ2X4L (1)	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VCZ2X4R (1)	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VCZ3X4L (1)	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VCZ3X4R (1)	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

(1) The valves can be combined with the units if there is a control panel for managing them.

3 way valve kit

	200	201	202	250	300	301	302	350	400	401	402	450
Main coil	VCZ41	VCZ41	VCZ41	VCZ41	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42
	VCZ4124	VCZ4124	VCZ4124	VCZ4124	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224
Secondary coil	-	VCF44 VCZ4424	VCF44 VCZ4424	-	-	VCF44 VCZ4424	VCF44 VCZ4424	-	-	VCF44 VCZ4424	VCF44 VCZ4424	-
Additional coil “BV”	VCF44 VCZ4424	-	-	-	VCF44 VCZ4424	-	-	-	VCF44 VCZ4424	-	-	-
	500	501	502	550	700	701	702	750	900	901	950	
Main coil	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ43	VCZ43	VCZ43	
	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4324	VCZ4324	VCZ4324	
Secondary coil	-	VCF44 VCZ4424	VCF44 VCZ4424	-	-	VCF44 VCZ4424	VCF44 VCZ4424	-	-	VCF45 VCZ4524	-	
Additional coil “BV”	VCF44 VCZ4424	-	-	-	VCF44 VCZ4424	-	-	-	VCF45 VCZ4524	-	-	

2 way valve kit

	200	201	202	250	300	301	302	350	400	401	402	450
Main coil	VCZD1	VCZD1	VCZD1	VCZD1	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2
	VCZD124	VCZD124	VCZD124	VCZD124	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224
Secondary coil	-	VCFD4	VCFD4	-	-	VCFD4	VCFD4	-	-	VCFD4	VCFD4	-
	-	VCZD424	VCZD424	-	-	VCZD424	VCZD424	-	-	VCZD424	VCZD424	-
Additional coil "BV"	VCFD4	-	-	-	VCFD4	-	-	-	VCFD4	-	-	-
	VCZD424	-	-	-	VCZD424	-	-	-	VCZD424	-	-	-
	500	501	502	550	700	701	702	750	900	901	950	
Main coil	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2	VCZD3	VCZD3	VCZD3	
	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD324	VCZD324	VCZD324	
Secondary coil	-	VCFD4	VCFD4	-	-	VCFD4	VCFD4	-	-	VCFD4	-	
	-	VCZD424	VCZD424	-	-	VCZD424	VCZD424	-	-	VCZD424	-	
Additional coil "BV"	VCFD4	-	-	-	VCFD4	-	-	-	VCFD4	-	-	
	VCZD424	-	-	-	VCZD424	-	-	-	VCZD424	-	-	

(Heating only) additional coil

Heating only additional coil

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
BV122 (1)	P,PR	.																						
BV132 (1)	P,PR					.																		
BV142 (1)	P,PR									.														
BV162 (1)	P,PR																					.		
BVZ800 (1)	P,PR																	.						

(1) Not available for sizes with oversized main coil.

Installation accessories

Wall mounting kit

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
AMP20	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
AMPZ	P,PR																	.	.	.	.	.	.	.

Condensate drip

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
BCZ4 (1)	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
BCZ5 (2)	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
BCZ6 (2)	P,PR																					.	.	.

(1) For vertical installation.

(2) For horizontal installation.

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
BC8 (1)	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
BC9 (1)	P,PR																					.	.	.

(1) For horizontal installation.

Condensate recirculation device

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
DSCZ4 (1)	P,PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

(1) DSC4 cannot be mounted if even just one of these accessories is also installed: AMP - AMPZ valve VCZ1-2-3-4 X4L/R and all the condensate collection trays.

Ventilcassaforma

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
CHF22	P,PR	.	.	.	.																			
CHF32	P,PR					.	.	.	.															
CHF42	P,PR									.	.	.	.	.	.	.	.							
CHF62	P,PR																	.	.	.	.	.	.	.

Wall mounting and duct type installation accessories

Lower intake grille

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
GA22	P,PR	.	.	.	.																			
GA32	P,PR					.	.	.	.															
GA42	P,PR									.	.	.	.	.	.	.	.							
GA62	P,PR																	.	.	.	.	.	.	.

Intake grilles with fixed fins and filter

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
GAF22	P,PR	.	.	.	.																			
GAF32	P,PR					.	.	.	.															
GAF42	P,PR									.	.	.	.	.	.	.	.							
GAF62	P,PR																	.	.	.	.	.	.	.

Delivery grilles with adjustable fins

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
GM22	P,PR	*	*	*	*																			
GM32	P,PR					*	*	*	*															
GM42	P,PR									*	*	*	*	*	*	*	*							
GM62	P,PR																	*	*	*	*	*	*	*

Intake plenum in sheet metal complete with connectors for circular channels

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
PA22	P,PR	*	*	*	*																			
PA32	P,PR					*	*	*	*															
PA42	P,PR									*	*	*	*	*	*	*	*							
PA62	P,PR																	*	*	*	*	*	*	*

Intake plenum providing recovery and delivery on the same side

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
PA22F	P,PR	*	*	*	*																			
PA32F	P,PR					*	*	*	*															
PA42F	P,PR									*	*	*	*	*	*	*	*							
PA62F	P,PR																	*	*	*	*	*	*	*

Delivery plenum with circular flanges.

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
PM22	P,PR	*	*	*	*																			
PM32	P,PR					*	*	*	*															
PM42	P,PR									*	*	*	*	*	*	*	*							
PM62	P,PR																	*	*	*	*	*	*	*

Straight delivery coupling

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
RD22	P,PR	*	*	*	*																			
RD32	P,PR					*	*	*	*															
RD42	P,PR									*	*	*	*	*	*	*	*							
RD62	P,PR																	*	*	*	*	*	*	*

Straight suction coupling

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
RDA22	P,PR	*	*	*	*																			
RDA32	P,PR					*	*	*	*															
RDA42	P,PR									*	*	*	*	*	*	*	*							
RDA62	P,PR																	*	*	*	*	*	*	*

90° delivery coupling.

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
RP22	P,PR	*	*	*	*																			
RP32	P,PR					*	*	*	*															
RP42	P,PR									*	*	*	*	*	*	*	*							
RP62	P,PR																	*	*	*	*	*	*	*

90° suction coupling.

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
RPA22	P,PR	*	*	*	*																			
RPA32	P,PR					*	*	*	*															
RPA42	P,PR									*	*	*	*	*	*	*	*							
RPA62	P,PR																	*	*	*	*	*	*	*

Accessories for ducting

Plenum with motorised dampers.

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
MZC220	P,PR	*	*	*	*																			
MZC320	P,PR						*	*	*	*														
MZC530	P,PR									*	*	*	*	*	*	*	*							
MZC830	P,PR																	*	*	*	*	*	*	*

Straight intake connection with rectangular flange.

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
RDA000V	P,PR	*	*	*	*																			
RDA100V	P,PR					*	*	*	*															
RDA200V	P,PR									*	*	*	*	*	*	*	*							
RDA300V	P,PR																	*	*	*	*	*	*	*

Intake plenum with rectangular flange.

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
RPA100V	P,PR					*	*	*	*															
RPA200V	P,PR									*	*	*	*	*	*	*	*							
RPA300V	P,PR																	*	*	*	*	*	*	*

Suction plenum with plastic circular flanges.

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
PA000V	P,PR	*	*	*	*																			
PA100V	P,PR					*	*	*	*															
PA300V	P,PR									*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Internally insulated delivery plenum with circular flanges.

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
PM000V	P,PR	*	*	*	*																			
PM100V	P,PR					*	*	*	*															
PM300V	P,PR									*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Internally insulated delivery plenum with rectangular flange.

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
RPM000V	P,PR	*	*	*	*																			
RPM100V	P,PR					*	*	*	*															
RPM300V	P,PR									*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Straight delivery coupling in galvanised sheet metal.

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
RDM000V	P,PR	*	*	*	*																			
RDM100V	P,PR					*	*	*	*															
RDM300V	P,PR									*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Straight discharge internally insulated, with circular flanges.

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
RDMC000V	P,PR	*	*	*	*																			
RDMC100V	P,PR					*	*	*	*															
RDMC300V	P,PR									*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

PERFORMANCE DATA FOR UNITS WITHOUT HEAD (EUROVENT CERTIFICATE FC-H)

2-pipe

	FCZI200P			FCZI250P			FCZI300P			FCZI350P			FCZI400P			FCZI450P			
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	
Heating performance 70 °C / 60 °C (1)																			
Heating capacity	kW	2,02	2,95	3,70	2,20	3,18	4,05	3,47	4,46	5,50	3,77	4,92	6,15	4,32	5,74	7,15	4,57	6,29	7,82
Water flow rate system side	l/h	177	258	324	193	278	355	304	391	482	330	431	539	379	503	627	400	551	685
Pressure drop system side	kPa	6	12	18	7	15	23	7	12	18	8	14	20	9	16	24	6	11	16
Heating performance 45 °C / 40 °C (2)																			
Heating capacity	kW	1,00	1,46	1,84	1,09	1,58	2,01	1,72	2,21	2,73	1,87	2,44	3,06	2,14	2,85	3,55	2,27	3,12	3,88
Water flow rate system side	l/h	174	254	319	190	274	350	299	385	475	325	425	531	373	495	617	394	543	675
Pressure drop system side	kPa	6	12	18	8	15	22	8	12	18	8	14	20	10	16	24	6	11	16
Cooling performance 7 °C / 12 °C (3)																			
Cooling capacity	kW	0,89	1,28	1,60	1,06	1,55	1,94	1,68	2,17	2,65	1,89	2,46	3,02	2,20	2,92	3,60	2,41	3,21	4,03
Sensible cooling capacity	kW	0,71	1,05	1,33	0,79	1,20	1,52	1,26	1,65	2,04	1,33	1,76	2,18	1,59	2,14	2,67	1,69	2,30	2,90
Water flow rate system side	l/h	153	221	275	182	267	334	288	374	456	350	460	560	379	503	619	414	552	694
Pressure drop system side	kPa	6	12	18	8	17	25	8	13	18	11	18	25	10	16	24	9	15	22
Fan																			
Type	type	Centrifugal																	
Fan motor	type	Inverter																	
Number	no.	1			1			2			2			2			2		
Air flow rate	m³/h	140	220	290	140	220	290	260	350	450	260	350	450	330	460	600	330	460	600
Input power	W	7	8	14	7	8	14	5	7	13	5	7	13	5	10	18	5	10	18
Signal 0-10V	%	44	68	90	44	68	90	52	70	90	52	70	90	49	68	90	49	68	90
Fan coil sound data (4)																			
Sound power level	dB(A)	35,0	46,0	51,0	35,0	46,0	51,0	34,0	41,0	48,0	34,0	41,0	48,0	37,0	44,0	51,0	37,0	44,0	51,0
Sound pressure	dB(A)	27,0	38,0	43,0	27,0	38,0	43,0	26,0	33,0	40,0	26,0	33,0	40,0	29,0	36,0	43,0	29,0	36,0	43,0
Water coil																			
Water content main coil	l	0,5			0,7			0,8			1,0			1,0			1,4		
Diameter hydraulic yittings																			
Main coil	Ø	1/2"			1/2"			3/4"			3/4"			3/4"			3/4"		
		FCZI500P			FCZI550P			FCZI700P			FCZI750P			FCZI900P			FCZI950P		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 70 °C / 60 °C (1)																			
Heating capacity	kW	5,27	7,31	8,50	5,82	8,34	9,75	8,10	9,80	11,00	9,10	11,30	12,50	10,77	13,35	15,14	11,20	14,42	17,10
Water flow rate system side	l/h	462	641	745	510	731	855	710	860	964	798	991	1096	945	1171	1328	982	1264	1500
Pressure drop system side	kPa	12	21	28	10	20	26	17	24	29	10	15	18	12	17	22	16	24	33
Heating performance 45 °C / 40 °C (2)																			
Heating capacity	kW	2,62	3,63	4,22	2,89	4,14	4,85	4,03	4,87	5,47	4,52	5,62	6,21	5,35	6,64	7,53	5,57	7,17	8,50
Water flow rate system side	l/h	455	631	734	502	720	842	699	846	950	786	975	1079	930	1152	1307	967	1245	1476
Pressure drop system side	kPa	12	21	28	10	20	26	16	24	29	10	14	18	12	17	22	15	24	33
Cooling performance 7 °C / 12 °C (3)																			
Cooling capacity	kW	2,68	3,69	4,25	2,91	4,13	4,79	3,92	4,89	5,50	4,27	5,34	6,14	4,29	5,00	6,91	5,77	7,32	8,60
Sensible cooling capacity	kW	1,94	2,73	3,18	2,07	2,98	3,49	2,99	3,76	4,30	3,20	4,05	4,72	2,97	3,78	5,68	3,80	4,87	5,78
Water flow rate system side	l/h	460	634	731	501	711	824	675	841	946	734	918	1056	738	860	1189	992	1259	1479
Pressure drop system side	kPa	13	22	29	12	22	28	16	24	30	10	14	18	10	12	22	15	22	30
Fan																			
Type	type	Centrifugal																	
Fan motor	type	Inverter																	
Number	no.	2			2			3			3			3			3		
Air flow rate	m³/h	400	600	720	400	600	720	700	930	1140	700	930	1140	700	930	1140	700	930	1140
Input power	W	7	18	31	4	10	19	30	40	80	30	40	80	30	40	80	30	40	80
Signal 0-10V	%	50	74	90	50	74	90	56	72	90	56	72	90	56	72	90	56	72	90
Fan coil sound data (4)																			
Sound power level	dB(A)	42,0	51,0	56,0	42,0	51,0	56,0	50,0	57,0	62,0	50,0	57,0	62,0	51,0	57,0	62,0	51,0	57,0	62,0
Sound pressure	dB(A)	34,0	43,0	48,0	34,0	43,0	48,0	42,0	49,0	54,0	42,0	49,0	54,0	43,0	49,0	54,0	43,0	49,0	54,0
Water coil																			
Water content main coil	l	1,0			1,4			1,2			1,6			1,8			2,3		
Diameter hydraulic yittings																			
Main coil	Ø	3/4"																	

(1) Room air temperature 20 °C d.b.; Water (in/out) 70 °C/60 °C

(2) Room air temperature 20 °C d.b.; Water (in/out) 45 °C/40 °C; EUROVENT

(3) Room air temperature 27 °C d.b./19 °C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT

(4) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583:15, respecting the Eurovent certification.

4-pipe

	FCZI201P			FCZI301P			FCZI401P			FCZI501P			FCZI701P			FCZI901P			
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	
Heating performance 65 °C / 55 °C (1)																			
Heating capacity	kW	1,02	1,35	1,60	1,80	2,18	2,56	2,21	2,65	3,12	2,59	3,34	3,73	3,66	4,29	4,94	4,73	5,63	5,72
Water flow rate system side	l/h	89	118	140	158	191	224	186	232	273	227	293	327	320	375	437	414	492	501
Pressure drop system side	kPa	4	8	10	16	23	30	4	6	8	6	8	10	11	14	18	8	12	12
Cooling performance 7 °C / 12 °C (2)																			
Cooling capacity	kW	0,89	1,28	1,60	1,68	2,17	2,65	2,20	2,92	3,60	2,68	3,69	4,25	3,92	4,89	5,50	4,29	5,00	6,91
Sensible cooling capacity	kW	0,71	1,05	1,33	1,26	1,65	2,04	1,59	2,14	2,67	1,94	2,73	3,18	2,99	3,76	4,30	2,97	3,78	5,68
Water flow rate system side	l/h	153	221	275	288	374	456	379	503	619	460	634	731	675	841	946	738	860	1189
Pressure drop system side	kPa	6	12	18	8	13	18	10	16	24	13	22	29	16	24	30	10	12	22
Fan																			
Type	type	Centrifugal																	
Fan motor	type	Inverter																	
Number	no.	1			2			2			2			3			3		
Air flow rate	m³/h	140	220	290	260	350	450	330	460	600	400	600	720	700	930	1140	700	930	1140
Input power	W	7	8	14	5	7	13	5	10	18	7	16	31	30	40	80	30	40	80
Signal 0-10V	%	44	68	90	52	70	90	49	68	90	50	74	90	56	72	90	56	72	90
Fan coil sound data (3)																			
Sound power level	dB(A)	35,0	46,0	51,0	34,0	41,0	48,0	37,0	44,0	51,0	42,0	51,0	56,0	50,0	57,0	62,0	51,0	57,0	62,0
Sound pressure	dB(A)	27,0	38,0	43,0	26,0	33,0	40,0	29,0	36,0	43,0	34,0	43,0	48,0	42,0	49,0	54,0	43,0	49,0	54,0
Water coil																			
Water content main coil	l	0,5			0,8			1,0			1,0			1,2			1,8		
Water content the secondary coil	l	0,2			0,3			0,3			0,3			0,4			0,7		
Diametre hydraulic yttings																			
Main coil	Ø	1/2"			3/4"			3/4"			3/4"			3/4"			3/4"		
Secondary coil	Ø	1/2"																	

(1) Room air temperature 20°C d.b.; Water (in/out) 65 °C/55 °C; EUROVENT

(2) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT

(3) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583:15, respecting the Eurovent certification.

PERFORMANCE DATA FOR UNITS WITH HEAD (EUROVENT CERTIFICATE FCP-H)

2-pipe

	FCZ1200P			FCZ1250P			FCZ1300P			FCZ1350P			FCZ1400P			FCZ1450P			FCZ1500P			FCZ1550P		
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H

Heating performance 70 °C / 60 °C (1)

Heating capacity	kW	1,81	3,16	3,34	2,01	3,40	3,62	3,08	4,83	5,23	3,32	5,43	5,83	3,96	5,85	6,34	4,10	6,44	6,96	5,39	7,28	7,63	5,92	8,37	8,71
Water flow rate system side	l/h	156	272	287	173	292	311	265	415	450	285	467	502	341	503	545	353	554	599	464	626	656	509	720	749
Pressure drop system side	kPa	6	13	16	7	17	19	7	14	16	7	17	19	9	17	19	5	12	13	12	22	23	11	20	21

Heating performance 45 °C / 40 °C (2)

Heating capacity	kW	0,90	1,57	1,66	1,00	1,69	1,80	1,53	2,40	2,60	1,65	2,70	2,90	1,97	2,91	3,15	2,04	3,20	3,46	2,68	3,62	3,79	2,94	4,16	4,33
Water flow rate system side	l/h	155	270	288	172	291	308	263	413	447	284	464	499	339	501	542	351	550	595	461	623	652	506	715	745
Pressure drop system side	kPa	6	13	16	7	17	19	7	14	16	7	17	19	9	17	19	5	12	13	12	22	23	11	20	21

Cooling performance 7 °C / 12 °C (3)

Cooling capacity	kW	0,80	1,37	1,45	0,95	1,67	1,76	1,40	2,38	2,53	1,66	2,70	2,88	2,03	2,98	3,21	2,22	3,28	3,55	2,73	3,68	3,84	2,97	4,15	4,31
Sensible cooling capacity	kW	0,63	1,13	1,20	0,70	1,29	1,37	1,10	1,82	1,94	1,15	1,94	2,07	1,45	2,18	2,36	1,54	2,35	2,56	1,98	2,73	2,85	2,11	2,98	3,12
Water flow rate system side	l/h	138	236	249	163	287	303	241	409	435	285	464	495	349	512	552	382	564	610	469	633	660	511	714	741
Pressure drop system side	kPa	5	13	16	8	17	19	7	14	16	9	17	19	9	17	19	8	12	13	13	22	23	12	20	21

Fan

Type	type	Centrifugal																							
Fan motor	type	Inverter																							
Number	no.	1			1			2			2			2			2			2			2		
Air flow rate	m³/h	123	240	257	123	240	257	225	390	424	225	390	424	300	470	515	300	470	515	410	600	630	410	600	630
High static pressure	Pa	13	50	57	13	50	57	16	50	59	16	50	53	20	50	60	20	50	56	23	50	55	23	50	55
Input power	W	7	27	31	7	27	31	10	11	40	10	30	40	14	38	48	14	38	48	18	50	60	18	50	60
Signal 0-10V	%	43	84	90	43	84	90	48	83	90	48	83	90	52	82	90	52	82	90	58	85	90	58	85	90

Duct type fan coil sound data (4)

Sound power level (inlet + radiated)	dB(A)	37,0	57,0	59,0	37,0	57,0	59,0	36,0	50,0	53,0	36,0	50,0	53,0	43,0	53,0	55,0	43,0	53,0	55,0	45,0	56,0	57,0	45,0	56,0	57,0
Sound power level (outlet)	dB(A)	33,0	53,0	55,0	33,0	53,0	55,0	32,0	47,0	49,0	32,0	47,0	49,0	39,0	49,0	52,0	39,0	49,0	52,0	42,0	52,0	52,0	42,0	52,0	52,0

Water coil

Water content main coil	l	0,5			0,7			0,8			1,0			1,0			1,4			1,0			1,4		
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Diameter hydraulic fittings

Main coil	Ø	1/2"			1/2"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"		
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	FCZ1700P			FCZ1750P			FCZ1900P			FCZ1950P		
	1	2	3	1	2	3	1	2	3	1	2	3
	L	M	H	L	M	H	L	M	H	L	M	H

Heating performance 70 °C / 60 °C (1)

Heating capacity	kW	5,33	8,34	8,88	6,17	9,52	10,15	6,58	11,15	11,87	6,68	11,63	12,66
Water flow rate system side	l/h	468	732	779	541	835	890	566	958	1021	574	1000	1088
Pressure drop system side	kPa	8	17	20	5	11	12	5	13	14	6	17	19

Heating performance 45 °C / 40 °C (2)

Heating capacity	kW	2,67	4,15	4,40	2,46	4,69	5,00	3,27	5,54	5,90	3,32	5,78	6,29
Water flow rate system side	l/h	460	720	767	418	806	860	562	953	1015	571	994	1082
Pressure drop system side	kPa	8	18	20	3	11	12	5	13	14	6	17	19

Cooling performance 7 °C / 12 °C (3)

Cooling capacity	kW	2,20	4,00	4,30	2,60	4,41	4,70	2,81	4,80	5,20	3,58	6,00	6,46
Sensible cooling capacity	kW	1,71	3,00	3,20	1,90	3,30	3,50	2,10	3,60	3,90	2,33	3,94	4,27
Water flow rate system side	l/h	378	688	739	447	760	818	483	825	894	616	1032	1111
Pressure drop system side	kPa	7	18	20	4	11	12	5	13	14	7	17	19

Fan

Type	type	Centrifugal											
Fan motor	type	Inverter											
Number	no.	3			3			3			3		
Air flow rate	m³/h	405	730	799	405	730	799	405	730	799	405	730	799
High static pressure	Pa	15	50	60	15	50	60	15	50	60	15	50	60
Input power	W	21	61	78	21	61	78	21	61	78	21	61	78
Signal 0-10V	%	46	82	90	46	82	90	45	84	90	45	84	90

Duct type fan coil sound data (4)

Sound power level (inlet + radiated)	dB(A)	38,0	55,0	58,0	38,0	55,0	58,0	44,0	55,0	58,0	44,0	55,0	58,0
Sound power level (outlet)	dB(A)	34,0	51,0	54,0	34,0	51,0	54,0	40,0	51,0	54,0	40,0	51,0	54,0

Water coil

Water content main coil	l	1,2			1,6			1,8			2,3		
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Diameter hydraulic fittings

Main coil	Ø	3/4"											
-----------	---	------	--	--	--	--	--	--	--	--	--	--	--

(1) Room air temperature 20 °C d.b.; Water (in/out) 70 °C/60 °C

(2) Room air temperature 20 °C d.b.; Water (in/out) 45 °C/40 °C; EUROVENT

(3) Room air temperature 27 °C d.b./19 °C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT

(4) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583:15, respecting the Eurovent certification.

4-pipe

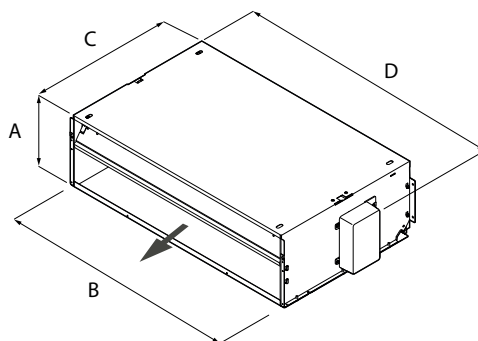
		FCZI201P			FCZI301P			FCZI401P			FCZI501P			FCZI701P			FCZI901P		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 65 °C / 55 °C (1)																			
Heating capacity	kW	0,94	1,42	1,49	1,60	2,34	2,47	1,99	2,69	2,85	2,62	3,59	3,45	2,99	3,70	3,92	3,17	5,09	5,47
Water flow rate system side	l/h	81	122	128	138	201	212	171	231	245	225	309	297	257	318	337	273	438	470
Pressure drop system side	kPa	4	9	9	6	12	13	4	7	8	6	9	9	8	12	13	4	10	11
Cooling performance 7 °C / 12 °C (2)																			
Cooling capacity	kW	0,80	1,37	1,45	1,40	2,38	2,53	2,03	2,98	3,21	2,73	3,68	3,84	2,20	4,00	4,30	2,80	4,80	5,24
Sensible cooling capacity	kW	0,63	1,13	1,20	1,10	1,82	1,94	1,45	2,18	2,36	1,98	2,73	2,85	1,71	3,00	3,20	2,10	3,60	3,90
Water flow rate system side	l/h	138	236	249	241	409	435	349	512	552	469	633	660	378	688	739	482	825	901
Pressure drop system side	kPa	5	14	16	7	15	17	9	13	20	13	23	25	6	18	20	5	12	13
Fan																			
Type	type	Centrifugal																	
Fan motor	type	Inverter																	
Number	no.	1			2			2			2			3			3		
Air flow rate	m³/h	123	240	257	225	390	424	300	470	515	410	600	630	405	730	799	405	730	799
High static pressure	Pa	13	50	57	16	50	59	20	50	60	23	50	55	15	50	60	15	50	60
Input power	W	7	27	31	10	31	40	14	38	58	18	50	60	21	61	78	21	61	78
Signal 0-10V	%	43	84	90	48	83	90	52	82	90	58	85	90	46	82	90	45	84	90
Duct type fan coil sound data (3)																			
Sound power level (inlet + radiated)	dB(A)	37,0	57,0	59,0	36,0	50,0	53,0	43,0	53,0	55,0	45,0	56,0	57,0	38,0	55,0	58,0	38,0	55,0	58,0
Sound power level (outlet)	dB(A)	33,0	53,0	55,0	32,0	47,0	49,0	39,0	49,0	52,0	42,0	52,0	52,0	34,0	51,0	54,0	34,0	51,0	54,0
Water coil																			
Water content main coil	l	0,5			0,8			1,0			1,0			1,2			1,8		
Water content the secondary coil	l	0,2			0,3			0,3			0,3			0,4			0,7		
Diameter hydraulic fittings																			
Main coil	Ø	1/2"			3/4"			3/4"			3/4"			3/4"			3/4"		
Secondary coil	Ø	1/2"																	

(1) Room air temperature 20°C d.b.; Water (in/out) 65 °C/55 °C; EUROVENT

(2) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT

(3) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583:15, respecting the Eurovent certification.

DIMENSIONS



		FCZI200P	FCZI250P	FCZI300P	FCZI350P	FCZI400P	FCZI450P
Dimensions and weights							
A	mm	216	216	216	216	216	216
B	mm	522	522	753	753	973	973
C	mm	453	453	453	453	453	453
D	mm	562	562	793	793	1013	1013
Net weight	kg	12	14	14	16	20	22

		FCZI500P	FCZI550P	FCZI700P	FCZI750P	FCZI900P	FCZI950P
Dimensions and weights							
A	mm	216	216	216	216	216	216
B	mm	973	973	1122	1122	1122	1122
C	mm	453	453	453	453	558	558
D	mm	1013	1013	1147	1147	1147	1147
Net weight	kg	23	24	29	31	32	32

		FCZI201P	FCZI202P	FCZI301P	FCZI302P	FCZI401P	FCZI402P
Dimensions and weights							
A	mm	216	216	216	216	216	216
B	mm	522	522	753	753	973	973
C	mm	453	453	453	453	453	453
D	mm	562	562	793	793	1013	1013
Net weight	kg	13	14	15	16	21	22

		FCZI501P	FCZI502P	FCZI701P	FCZI702P	FCZI901P
Dimensions and weights						
A	mm	216	216	216	216	216
B	mm	973	973	1122	1122	1122
C	mm	453	453	453	453	558
D	mm	1013	1013	1147	1147	1147
Net weight	kg	23	24	30	31	32

Aermec reserves the right to make any modifications deemed necessary.
All data is subject to change without notice. Aermec does not assume responsibility or liability for errors or omissions.

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UL-P

Fan coil unit for ducted installations



- **Very quiet**
- **Ideal for residential or office solutions**
- **Version with Coldplasma Air purifier**



DESCRIPTION

Monobloc duct type fan coils for heating and/or cooling small and medium-sized environments for civil and commercial use.

It can be installed on 2-pipe systems and combined with any heat generator even at low temperatures. Choosing the optimal solution for any requirement is easy thanks to the various versions available and to the possibility of horizontal or vertical installation, depending on the version.

VERSIONS

P Without shell, vertical and horizontal installation, lower intake, without commands

PAF Without shell, vertical and horizontal installation, front intake, without commands

FEATURES

Ventilation group

Comprised of a dual intake centrifugal fan that is particularly silent, statically and dynamically balanced and directly coupled to the motor shaft.

The electric motor is single-phase multi-speed (3 selectable), mounted on anti-vibration supports and with a permanently inserted capacitor.

Heat exchanger coil

With copper pipes and aluminium fins, the main coil has female gas water connections on the left side and the manifolds have air vents. The coil is not suitable for use in corrosive atmosphere or in environments where aluminium may be subject to corrosion.

■ *The hydraulic connections can be inverted during installation.*

Condensate drip

Provided standard in plastic and fixed to the interior structure; with external condensate discharge.

Air filter

The fan coils have, as standard, precharged electrostatic filters. These filters, thanks to their special execution, attracts and retains all suspended dust particles, thus guaranteeing pure breathable air to the whole family.

ACCESSORIES

Control panels

AER503IR: Flush-mounting thermostat with backlit display, capacitive keypad and infrared receiver, for controlling both brushless fan coils and those with an asynchronous motor. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices (Cold Plasma and germicidal lamp), with radiant plate or with FCZ-D twin delivery (Dualjet). In addition, it can control systems with radiant panels or mixed (fan coil and radiant floor) systems. Being equipped with an infrared receiver, it can, in turn, be controlled by the VMF-IR remote control.

PRO503: Wall box for AER503IR and VMF-E4 thermostats.

SA5: air probe kit (L = 15 m) with probe-locking cable grommet.

SIT3: Thermostat Interface Card allowing the creation of a network of fan coils (max. 10) commanded by a central control panel (selector or thermostat). Commands the 3 fan speeds and must be installed on each fan coil within the network; receives the commands from the selector or the SIT5 card.

SIT5: Thermostat Interface Card allowing the creation of a network of fan coils (max. 10) commanded by a central control panel. Commands the 3 fan speeds and up to 2 valves (four pipe systems); sends the thermostat's commands to the fan coil network.

SWS: water probe kit (L = 15m) with probe-holder connection point, fixing clip and probe-holder from heat exchanger.

TX: Wall-mounting thermostat for controlling either brushless fan coils or those with asynchronous motors. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices, radiant plate or FCZ-D twin delivery (Dualjet).

WMT05: Electronic thermostat with thermostated ventilation.

WMT10: Electronic thermostat, white, with thermostated or continuous ventilation.

VMF system

VMF-E0X: Thermostat to be secured to the side of the fan coil, fitted as standard with an air probe and a water probe.

VMF-E2D: User interface on the machine, to be combined with the VMF-E19 accessory.

VMF-E3: Wall mounted user interface, to be combined with accessories VMF-E19, VMF-E19I, VMF-E0X with grids GLF_N/M and GLL_N, can be controlled with VMF-IR control.

VMF-E4DX: Wall-mounted user interface. Grey front panel PANTONE 425C (METAL).

VMF-E4X: Wall-mounted user interface. Light grey front panel PANTONE COOL GRAY 1C.

VMF-IR: User interface compatible with the AER503IR thermostat and with all the grids of cassettes equipped with the infrared receiver compatible with the VMF system.

Common accessories

DSC: Condensate drainage device.

VCH: 3-way motorised valve kit. The kit consists of a valve, an actuator and the relative pipe fittings. It can be installed on fan coils with both right and left connections.

VCHD: 2-way motorised valve kit. The kit consists of a valve, an actuator and the relative pipe fittings. It can be installed on fan coils with both right and left connections.

BC: Condensate drip.

Ventilcassaforma: Galvanised sheet metal template. It makes it possible to obtain directly in the wall a space for housing the fan coil.

GUIDE TO SELECTING THE POSSIBLE CONFIGURATIONS

Omnia ULP

Field	Description
1,2,3	ULP
4,5	Size 11, 16, 26, 36
6	Version
p	Without shell, vertical and horizontal installation, lower intake, without commands
PAF	Without shell, vertical and horizontal installation, front intake, without commands

ACCESSORIES COMPATIBILITY

Control panels and dedicated accessories - Omnia ULP

Model	Ver	11	16	26	36
AER503IR (1)	P,PAF	•	•	•	•
PRO503	P,PAF	•	•	•	•
SA5 (2)	P,PAF	•	•	•	•
SIT3 (3)	P,PAF	•	•	•	•
SIT5 (4)	P,PAF	•	•	•	•
SW5 (2)	P,PAF	•	•	•	•
TX (1)	P,PAF	•	•	•	•
WMT05	P,PAF	•	•	•	•
WMT10	P,PAF	•	•	•	•

(1) Wall-mount installation.

(2) Probe for AER503IR-TX thermostats, if fitted.

(3) Cards for AER503IR-TX thermostats, if present, to be installed if the unit absorption exceeds 0,7 Ampere.

(4) Probe for AER503IR-TX thermostats, if fitted.

VMF system - Omnia ULP

Model	Ver	11	16	26	36
VMF-E0X (1)	P,PAF	•	•	•	•
VMF-E19	P,PAF	•	•	•	•
VMF-E19I	P,PAF	•	•	•	•
VMF-E4DX	P,PAF	•	•	•	•
VMF-E4X	P,PAF	•	•	•	•
VMF-I0	P,PAF	•	•	•	•
VMF-LON	P,PAF	•	•	•	•
VMF-SIT3 (2)	P,PAF	•	•	•	•
VMF-SW	P,PAF	•	•	•	•
VMF-SW1	P,PAF	•	•	•	•

(1) Also the accessory VMF-SIT3 is mandatory if the unit exceeds 0,7 Amperes.

(2) For the selection, consult the documentation for the thermostat and the fan coil.

Condensate drip

Model	Ver	11	16	26	36
BC10 (1)	P,PAF	•	•	•	•
BC20 (2)	P,PAF	•	•	•	•

(1) For vertical installation.

(2) For horizontal installation.

Condensate drainage

Model	Ver	11	16	26	36
DSC5 (1)	P,PAF	•	•	•	•

(1) The accessory cannot be fit if the accessory BC10 or BC20 is installed.

Model	Ver	11	16	26	36
VCH	P,PAF	•	•	•	•

2 way valve kit

Model	Ver	11	16	26	36
VCHD	P,PAF	•	•	•	•

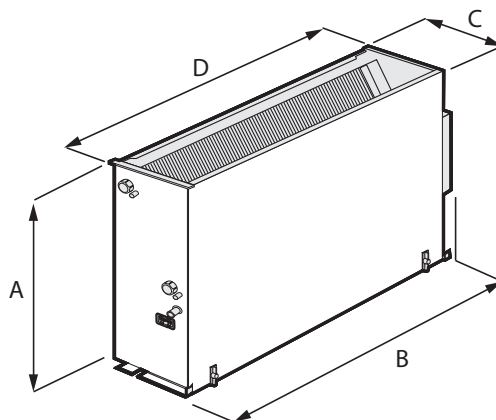
PERFORMANCE SPECIFICATIONS

2-pipe

Pipe	UL11P			UL16P			UL26P			UL36P			
	1	2	3	1	2	3	1	2	3	1	2	3	
	L	M	H	L	M	H	L	M	H	L	M	H	
Heating performance 70 °C / 60 °C (1)													
Heating capacity	kW	1,06	1,46	2,01	1,54	2,12	2,91	2,89	3,83	4,62	3,63	4,87	5,94
Water flow rate system side	l/h	93	128	176	135	186	255	254	336	405	310	427	521
Pressure drop system side	kPa	1	1	2	1	2	4	5	8	11	3	5	7
Heating performance 45 °C / 40 °C (2)													
Heating capacity	kW	0,52	0,73	1,00	0,76	1,05	1,44	1,44	1,90	2,29	1,75	2,42	2,95
Water flow rate system side	l/h	92	126	174	133	183	251	249	331	399	305	420	513
Pressure drop system side	kPa	1	1	2	2	3	3	5	8	11	7	13	18
Cooling performance 7 °C / 12 °C (3)													
Cooling capacity	kW	0,53	0,67	0,82	0,69	0,87	1,17	1,26	1,65	1,99	1,63	2,26	2,79
Sensible cooling capacity	kW	0,38	0,52	0,68	0,52	0,69	0,96	0,97	1,30	1,61	1,13	1,59	2,00
Water flow rate system side	l/h	94	117	145	122	153	206	220	289	349	286	394	487
Pressure drop system side	kPa	1	2	2	2	3	5	5	8	11	7	13	19
Fan													
Type	type	Centrifugal											
Fan motor	type	Asynchronous											
Number	no.	1			1			2			2		
Air flow rate	m³/h	80	120	180	110	160	240	190	270	350	240	350	460
Input power	W	8	12	18	23	25	32	24	27	35	30	35	42
Electrical wiring		V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3
Diameter hydraulic fittings													
Main coil	Ø	1/2"											
Water coil													
Water content main coil	l	0,3			0,4			0,6			0,8		
Power supply													
Power supply		230V~50Hz											

- (1) Room air temperature 20 °C d.b.; Water (in/out) 70 °C/60 °C
 (2) Room air temperature 20 °C d.b.; Water (in/out) 45 °C/40 °C; EUROVENT
 (3) Room air temperature 27 °C d.b./19 °C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT

DIMENSIONS



		UL11P	UL16P	UL26P	UL36P
Dimensions and weights					
A	mm	465	465	465	465
B	mm	420	530	761	981
C	mm	171	171	171	171
D	mm	360	470	701	921
Net weight	kg	10	12	15	18

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ULI-P

Fan coil unit for ducted installations

- Very quiet
- Ideal for residential or office solutions



DESCRIPTION

Monobloc duct type fan coils for heating and/or cooling small and medium-sized environments for civil and commercial use.

It can be installed on 2-pipe systems and combined with any heat generator even at low temperatures. Choosing the optimal solution for any requirement is easy thanks to the various versions available and to the possibility of horizontal or vertical installation, depending on the version.

VERSIONS

P Without the shell, floor installation, ceiling mount, intake at base, without controls

PAF Without the shell, floor installation, ceiling mount, front suction, without controls

FEATURES

Ventilation group

Centrifugal fans in anti-static plastic material with aerofoil profile designed to achieve high airflows and pressures whilst at the same time producing low noise.

Their characteristics permit energy savings compared to conventional fans.

They are statically and dynamically balanced and directly coupled to the motor shaft.

The Brushless electric motor with 0-100% continuous speed variation, which allows precise adaptation to the real demands of the internal environment without temperature fluctuations.

The air flow can be continuously changed through a 1-10 V signal, coming from adjustment and control commands Aermec or from independent adjustment systems.

This lowers noise and generates a better response to heat loads and a higher stability in the desired temperature inside the room.

The high efficiency even with low speed, makes it possible to reduce power consumption (more than 50% less than fan coils with traditional motors).

The plastic augers are extractable for easy and efficient cleaning.

Heat exchanger coil

With copper pipes and aluminium fins, the main coil has female gas water connections on the left side and the manifolds have air vents.

The coil is not suitable for use in corrosive atmosphere or in environments where aluminium may be subject to corrosion.

■ *The hydraulic connections can be inverted during installation.*

Condensate drip

Provided standard in plastic and fixed to the interior structure; with external condensate discharge.

Air filter

The fan coils have, as standard, precharged electrostatic filters. These filters, thanks to their special execution, attracts and retains all suspended dust particles, thus guaranteeing pure breathable air to the whole family.

ACCESSORIES

Control panels

AER503IR: Flush-mounting thermostat with backlit display, capacitive keypad and infrared receiver, for controlling both brushless fan coils and those with an asynchronous motor. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices (Cold Plasma and germicidal lamp), with radiant plate or with FCZ-D twin delivery (Dualjet). In addition, it can control systems with radiant panels or mixed (fan coil and radiant floor) systems. Being equipped with an infrared receiver, it can, in turn, be controlled by the VMF-IR remote control.

PRO503: Wall box for AER503IR and VMF-E4 thermostats.

SA5: air probe kit (L = 15 m) with probe-locking cable grommet.

SW5: water probe kit (L = 15m) with probe-holder connection point, fixing clip and probe-holder from heat exchanger.

TX: Wall-mounting thermostat for controlling either brushless fan coils or those with asynchronous motors. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices, radiant plate or FCZ-D twin delivery (Dualjet).

VMF system

VMF-E0X: Thermostat to be secured to the side of the fan coil, fitted as standard with an air probe and a water probe.

VMF-E19I: Thermostat for inverter unit to be fixed on the side of the fan coil, fitted as standard with an air and water probe.

VMF-E3: Wall mounted user interface, to be combined with accessories VMF-E19, VMF-E19I, VMF-E0X with grids GLF_N/M and GLL_N, can be controlled with VMF-IR control.

VMF-E4DX: Wall-mounted user interface. Grey front panel PANTONE 425C (METAL).

VMF-E4X: Wall-mounted user interface. Light grey front panel PANTONE COOL GRAY 1C.

VMF-IO: Manage the unit exclusively from a centralized VMF control panel without area control panel.

VMF-IR: User interface compatible with the AER503IR thermostat and with all the grids of cassettes equipped with the infrared receiver compatible with the VMF system.

VMF-LON: Expansion allowing the thermostat to interface with BMS systems that use the LON protocol.

VMF-SW: Water temperature probe.

Common accessories

DSC: Condensate drainage device.

VCH: 3-way motorised valve kit. The kit consists of a valve, an actuator and the relative pipe fittings. It can be installed on fan coils with both right and left connections.

VCHD: 2-way motorised valve kit. The kit consists of a valve, an actuator and the relative pipe fittings. It can be installed on fan coils with both right and left connections.

BC: Condensate drip.

Ventilcassaforma: Galvanised sheet metal template. It makes it possible to obtain directly in the wall a space for housing the fan coil.

GUIDE TO SELECTING THE POSSIBLE CONFIGURATIONS

Omnia ULP

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1,2,3	ULP
4,5	Size 11, 16, 26, 36
6	Version
p	Without shell, vertical and horizontal installation, lower intake, without commands
PAF	Without shell, vertical and horizontal installation, front intake, without commands

ACCESSORIES COMPATIBILITY

Control panels and dedicated accessories - Omnia ULP

Model	Ver	16	26	36
AER503IR (1)	P,PAF	*	*	*
PRO503	P,PAF	*	*	*
SA5 (2)	P,PAF	*	*	*
SW5 (2)	P,PAF	*	*	*
TX (1)	P,PAF	*	*	*

(1) Wall-mount installation.

(2) Probe for AER503IR-TX thermostats, if fitted.

VMF system - Omnia ULP

Model	Ver	16	26	36
VMF-E0X (1)	P,PAF	*	*	*
VMF-E19I	P,PAF	*	*	*
VMF-E3	P,PAF	*	*	*
VMF-E4DX	P,PAF	*	*	*
VMF-E4X	P,PAF	*	*	*
VMF-IO	P,PAF	*	*	*
VMF-IR	P,PAF	*	*	*
VMF-LON	P,PAF	*	*	*
VMF-SW	P,PAF	*	*	*

(1) Also the accessory VMF-SIT3 is mandatory if the unit exceeds 0.7 Amperes.

Condensate drip

Model	Ver	16	26	36
BC10 (1)	P,PAF	*	*	*
BC20 (2)	P,PAF	*	*	*

(1) For vertical installation.

(2) For horizontal installation.

Condensate drainage

Model	Ver	16	26	36
DSCS (1)	P,PAF	*	*	*

(1) The accessory cannot be fit if the accessory BC10 or BC20 is installed.

2 way valve kit

Model	Ver	16	26	36
VCHD	P,PAF	*	*	*

3 way valve kit

Model	Ver	16	26	36
VCH	P,PAF	*	*	*

PERFORMANCE SPECIFICATIONS

2-pipe

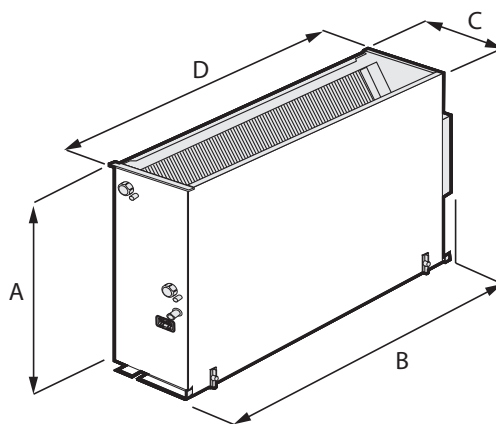
Pipe		ULI16P			ULI26P			ULI36P		
		1	2	3	1	2	3	1	2	3
		L	M	H	L	M	H	L	M	H
Heating performance 70 °C / 60 °C (1)										
Heating capacity	kW	1,54	2,12	2,91	2,89	3,83	4,62	3,53	4,87	5,94
Water flow rate system side	l/h	135	186	255	254	336	405	310	427	521
Pressure drop system side	kPa	1	2	4	5	8	11	3	5	7
Heating performance 45 °C / 40 °C (2)										
Heating capacity	kW	0,76	1,05	1,44	1,44	1,90	2,29	1,75	2,42	2,95
Water flow rate system side	l/h	133	183	251	249	331	399	305	420	513
Pressure drop system side	kPa	2	2	2	5	8	11	7	12	18
Cooling performance 7 °C / 12 °C (3)										
Cooling capacity	kW	0,69	0,87	1,17	1,26	1,65	1,99	1,63	2,26	2,79
Sensible cooling capacity	kW	0,52	0,69	0,96	0,97	1,30	1,61	1,13	1,59	2,00
Water flow rate system side	l/h	122	153	206	220	289	349	286	394	487
Pressure drop system side	kPa	2	3	5	6	8	11	7	13	19
Fan										
Type	type	Centrifugal								
Fan motor	type	Inverter								
Number	no.	1			2			2		
Air flow rate	m³/h	110	160	240	190	270	350	240	350	460
Input power	W	6	8	12	7	10	15	8	12	18
Diameter hydraulic fittings										
Main coil	Ø	1/2"								
Water coil										
Water content main coil	l	0,4			0,6			0,8		
Power supply										
Power supply		230V~50Hz								

(1) Room air temperature 20 °C d.b.; Water (in/out) 70 °C/60 °C

(2) Room air temperature 20 °C d.b.; Water (in/out) 45 °C/40 °C; EUROVENT

(3) Room air temperature 27 °C d.b./19 °C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT

DIMENSIONS



		ULI16P	ULI26P	ULI36P
Dimensions and weights				
A	mm	465	465	465
B	mm	530	761	981
C	mm	171	171	171
D	mm	470	701	921
Net weight	kg	12	15	18

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