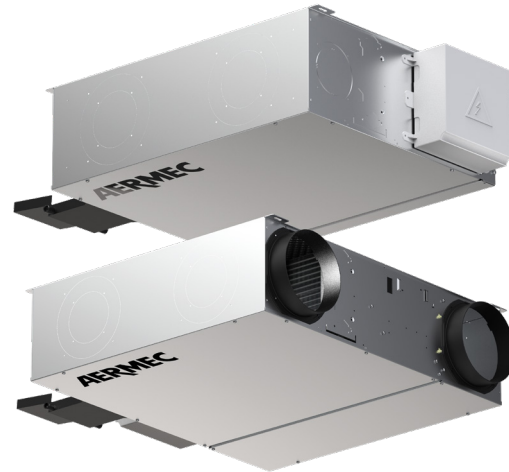


FCYI

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 louvers, the standard or oversized heat exchanger and the possible secondary heat exchanger 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 heat exchanger (1)
0	Standard
5	Oversized
7	Secondary heat exchanger
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
H	Electric heater (500W) (4)
P	With the photocatalytic device (4)
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.

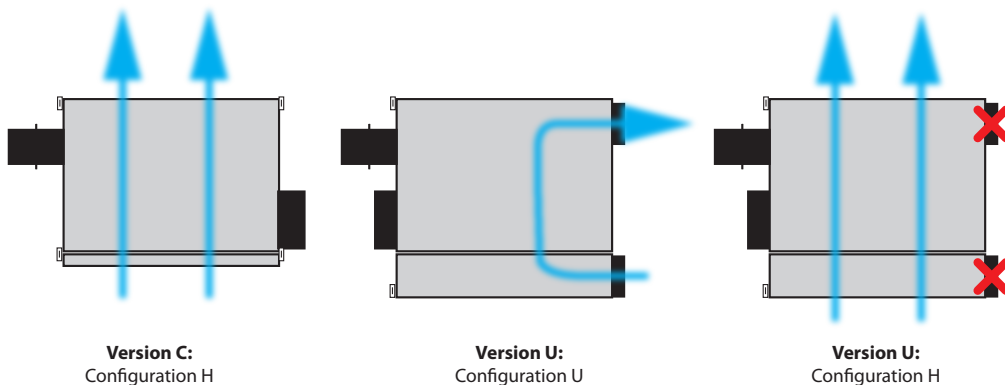
The unit is provided without openings and without flanges, which can be purchased separately as an accessory.

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.

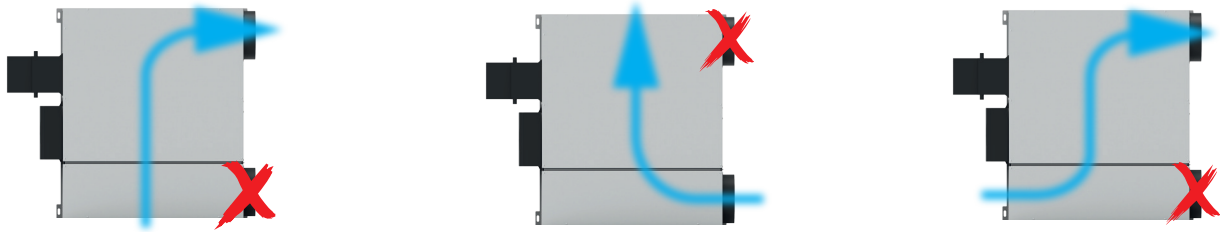
On the side, it can house Ø 125 or 100 mm flanges for the intake of outside air for delivery.

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 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

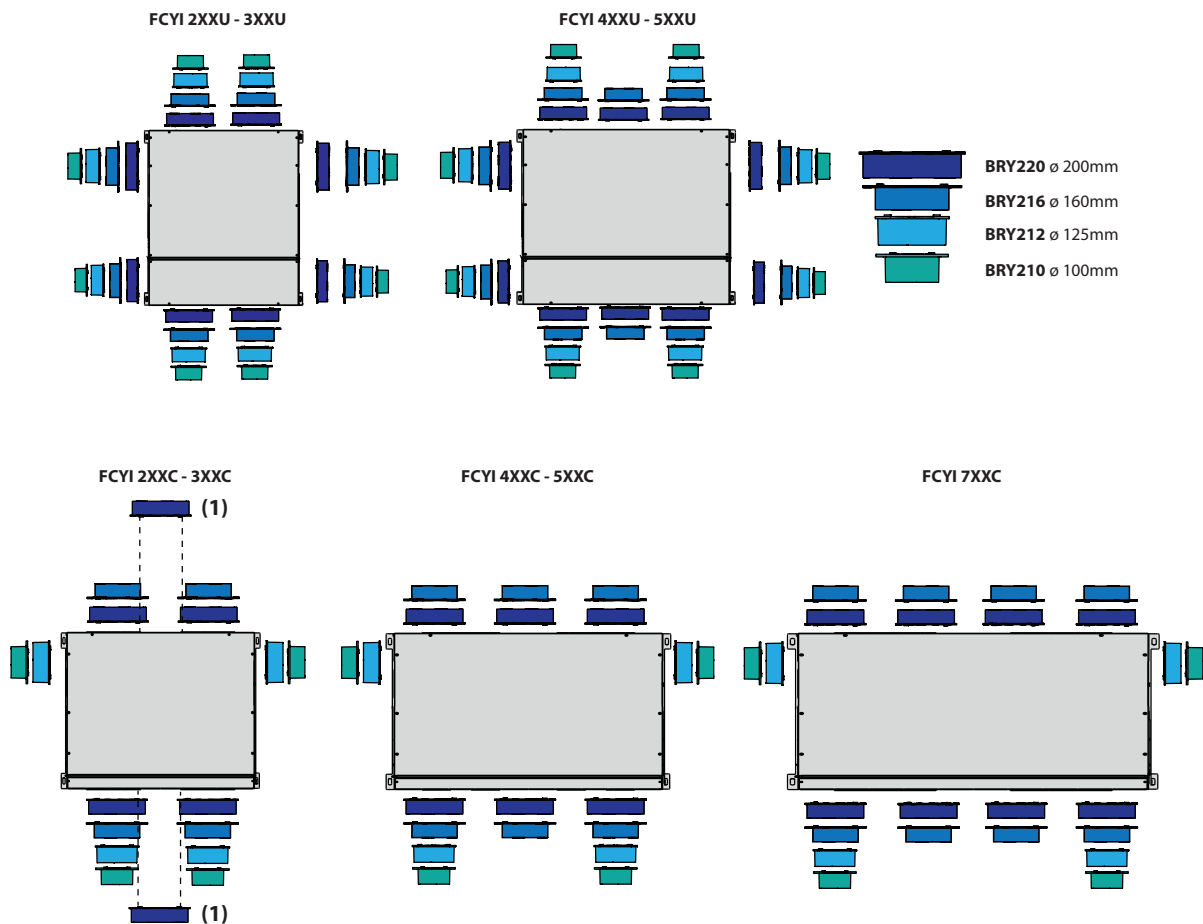


The performance data for the configurations shown here are equal to those for the U version in the U configuration.

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



1 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 for 2/4 pipe. 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).

AerSuite

The AerSuite application is used to remotely control the DI24 user interface, with VMF-E19/VMF-E19I thermostats, using Smart Devices with iOS and Android operating systems.

This is an application for Smartphones and Tablets with which the user can access and control the system operation remotely.

For more information about the use of the application and the available functions, refer to the respective documentation on the website.



VMF system

DI24: Interfaccia da incasso (scatola 503) con display touch screen da 2,4" da abbinare agli accessori VMF-E19, VMF-E19I. Permette di regolare e monitorare la temperatura all'interno degli ambienti in modo preciso e puntuale; oltre ad accedere ed interagire con le informazioni di funzionamento del proprio impianto, parametri e allarmi, permette di impostare delle fasce orarie. Grazie alla connessione Wi-Fi di cui è dotato, DI24 in abbinamento con la APP AerSuite (disponibile per Android e iOS) può essere comandato anche da remoto. Tutta la programmazione e gran parte delle funzioni vengono effettuate in maniera semplice e intuitiva utilizzando l'APP. Viene fornita con una placca di colore grigio grafite; ma per permettere di personalizzare l'interfaccia in modo che sia perfettamente integrata con lo stile di ogni casa, DI24 è compatibile con le placche delle maggiori marche disponibili in commercio, per saperne di più vi rimandiamo alla nostra documentazione.

VMF-E19Y: Thermostat to be fixed to the side of the fan coil, and fitted as standard with an air probe and water probe. Depending on the option chosen (P - X - H), the VMF-E19 must be completed with the compulsory electric completion unit accessory (VMF-YCC or VMF-YCCH).

VMF-E3: Wall mounted user interface, to be combined with accessories VMF-E19, VMF-E19I, 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, VMF-E3 thermostat and with all the grids of cassettes equipped with the infrared receiver compatible with the VMF system.

VMF-SW: Water probe (L = 2.5m) used if required in place of the standard unit supplied with the VMF-E19 and VMF-E19I thermostats for mounting it upstream of the valve.

VMF-SW1: Additional water probe (L = 2.5m) to be used if required for 4-pipe systems with the VMF-E19 and VMF-E19I thermostats for maximum control in the cold range

VMF-YICC: Electric inverter completion unit for the VMF-E19Y accessory (mandatory for the unit with options P and X).

VMF-YICCH: Electric inverter completion unit for the VMF-E19Y accessory (mandatory for the unit with option H).

Valves for main coil

VCY41 - 42 - for main heat exchanger: 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 secondary heat exchanger: 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: Hot water heat exchanger with 1 row.

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".

GM17: 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 fa-

ilitates 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 (3)	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

(1) Wall-mount installation.

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

(3) Wall-mounting. If the unit intake exceeds 0.7A, or several units need to be managed with a single thermostat, board SIT3 and/or SIT5 is required.

VMF system

Model	Ver	200	201	250	300	301	350	400	401	450	500	501	550	700	701	750
DI24	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
VMF-E19Y	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	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
VMF-YICC	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	U	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
VMF-YICCCH	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	-	-	VDP15HF	-	-	VDP15HF	-
	-	VDP15HF24	-	-	VDP15HF24	-	-	VDP15HF24	-
	-	VDP15HFM	-	-	VDP15HFM	-	-	VDP15HFM	-
Additional coil "BV"	VDP15HF	-	-	VDP15HF	-	-	VDP15HF	-	-
	VDP15HF24	-	-	VDP15HF24	-	-	VDP15HF24	-	-
	VDP15HFM	-	-	VDP15HFM	-	-	VDP15HFM	-	-
Main coil	500	501	550	700	701	750			
	VDP15HF	VDP15HF	VDP15HF	VDP15HF	VDP15HF	VDP15HF			
	VDP15HF24	VDP15HF24	VDP15HF24	VDP15HF24	VDP15HF24	VDP15HF24			
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	700	701	750
Main coil	VCY41 VCY4124	VCY41 VCY4124	VCY41 VCY4124	VCY42 VCY4224	VCY42 VCY4224	VCY42 VCY4224	VCY42 VCY4224	VCY42 VCY4224	VCY42 VCY4224	VCY42 VCY4224	VCY42 VCY4224	VCY42 VCY4224	VCY42 VCY4224	VCY42 VCY4224	VCY42 VCY4224
Secondary coil	-	VCY44 VCY4424	-	-	VCY44 VCY4424	-	-	VCY44 VCY4424	-	-	VCY44 VCY4424	-	-	VCY44 VCY4424	-
Additional coil "BV"	VCY44 VCY4424	-	-	VCY44 VCY4424	-	-	VCY44 VCY4424	-	-	VCY44 VCY4424	-	-	VCY44 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 VCYD224	VCYD2 VCYD224	VCYD2 VCYD224	VCYD2 VCYD224	VCYD2 VCYD224	VCYD2 VCYD224	VCYD2 VCYD224	VCYD2 VCYD224	VCYD2 VCYD224	VCYD2 VCYD224	VCYD2 VCYD224	VCYD2 VCYD224
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																					
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	m ³ /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 heat exchanger	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																					
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	m ³ /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	41,0	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	36,0	51,0	54,0						
Input power	W			18	50	60	18	50	60	21	61	78	21	61	78						
Diameter hydraulic fittings																					
Main heat exchanger	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

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

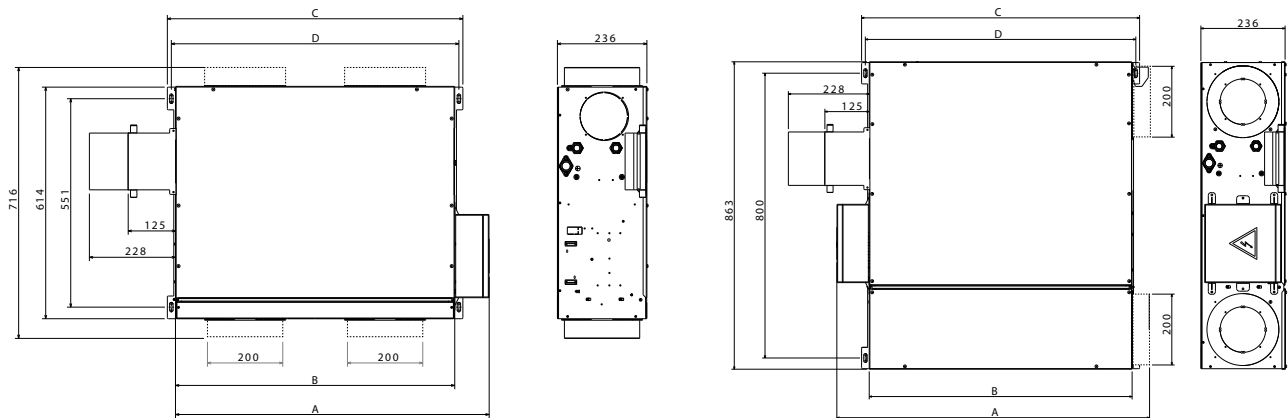
4-pipe

	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																	
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 heat exchanger	Ø		1/2"			3/4"			3/4"			3/4"			3/4"		
Secondary heat exchanger	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

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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