

FCZ

Fan coil for universal and floor installation

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

- Very quiet
- Touch controller mounted on-board. allows remote control with smart devices



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

Case

Protective metal cabinet with anti-corrosion polyester RAL 9003 paint, whereas the head with the air distribution grille is in RAL 7047 plastic.

Depending on the version, the distribution grille may be adjustable.

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 APC 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

A High, with fixed air distribution grille and built-in command

ACT High, with air distribution grille and electronic thermostat

AF High, without built-in command but with front intake

APC High, with air distribution grille, electronic thermostat and Cold Plasma purifier

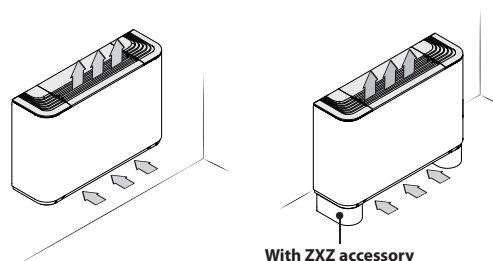
AS High, with air distribution grille and built-in command

U Universal, with adjustable air distribution grille but without built-in thermostat

UA Universal, with fixed air distribution grille but without built-in thermostat

UF Universal, with adjustable air distribution grille but without built-in thermostat and with front intake grille

Versions with fixed grille (high cabinet)



FCZ_A

- With built-in selector.

FCZ_AS

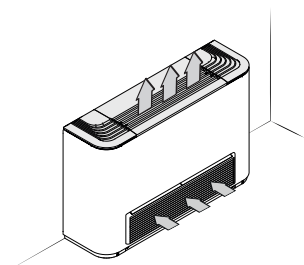
- Compatibility with VMF system.
- Without installed switch

FCZ_ACT

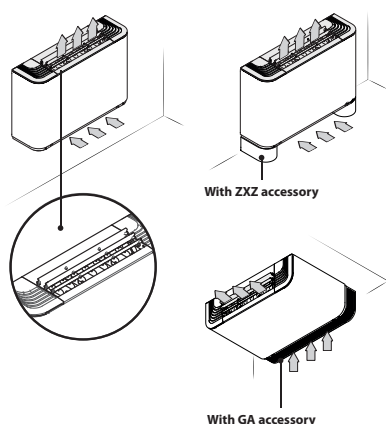
- With electronic thermostat for 2-pipe systems only.

FCZ_APC

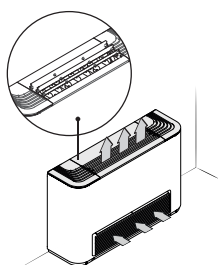
- With electronic thermostat for 2-pipe systems only.
- Cold Plasma purifier

**FCZ_AF**

- Without installed switch
- Compatibility with VMF system.
- Front intake grille.

Versions with adjustable and fixed grille (universal)**FCZ_U**

- Compatibility with VMF system.
- Without installed switch
- Distribution grille with adjustable fins. Sizes 1, 2 and 3 have a single grille, whereas sizes 4, 5, 6, 7, 8, 9 and 10 have three grilles fully independent of each other. When all the fins have closed, the unit switches off.
- Vertical and horizontal installation for 2-pipe and 4-pipe systems.

**FCZ_UF**

- Compatibility with VMF system.
- Without installed switch
- Air delivery grille with adjustable fins.
- Front intake grille.

FCZ_UA

- Compatibility with VMF system.
- Without installed switch

- Air distribution grille with fixed fins.

- Vertical and horizontal installation for 2-pipe and 4-pipe systems.

ThermApp

In units with a **T-Touch-I** electronic thermostat and the **ThermApp** application, the operating mode can be set and the weekly timer programmed by simply resting the smart device on the fan coil. The graphic interface of the app also gives access to a lot more information such as the alarm list, the closest SAT, etc.

Available for Android operating systems.

**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 1 Standard 2 Oversized
7	Version Only vertical installation. A High, with fixed air distribution grille and built-in command ACT High, with air distribution grille and electronic thermostat AF High, without built-in command but with front intake APC High, with air distribution grille, electronic thermostat and Cold Plasma purifier AS Free standing without installed switch Vertical and horizontal installation. U Universal, with adjustable air distribution grille but without built-in thermostat UA Universal, with fixed air distribution grille but without built-in thermostat UF Universal, with adjustable air distribution grille but without built-in thermostat and with front intake grille

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)	A,AS,U,UA	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	ACT,APC	*	-	-	*	*	-	-	*	*	-	-	*	*	-	-	*	*	-	*
	AF,UF	*	-	-	*	*	-	-	*	*	-	-	*	*	-	-	*	*	-	*

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)	A,AS,U,UA	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	ACT,APC	*	-	-	*	*	-	-	*	*	-	-	*	*	-	*	-
	AF,UF	-	-	-	-	-	-	-	-	-	-	-	*	*	*	*	-

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.

PX2Z: On-board electromechanical switch.

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.

T-TOUCH: Touch control on board the machine, for controlling fan coils with asynchronous motors. In 2-pipe systems, it can control standard fan coils or those equipped with an electric heater, with air purifying devices or with FCZ-D twin delivery (Dualjet). In 4-pipe systems, only standard fan coils. The ThermApp application is also available for remote control with smart devices with the Android operating system.

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).

TXB: 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

SIT3Z: Interface card that permits connecting the VMF-E19 thermostats to a fan coil with a high power motor.

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-E2Z: User interface on the machine, to be combined with the VMF-E0X, VMF-E19 or VMF-E19I 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.

VMF-SIT3: Interface card that permits connecting the VMF-E19 thermostats to a fan coil with a high power motor.

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

PCZ: Sheet metal panel closing the rear of the unit.

GA: Lower intake grille for encapsulated fan coils. Can also be used in wall-mounted or floor installations, the FKIT accessory is needed only in the case of floor installation.

FIKIT: Metal supports for vertical installation of the GA grille.

DSCZ4: Condensate drainage device.

BCZ: Condensate drip.

AMP: Wall mounting kit

ACCESSORIES COMPATIBILITY

Control panels

Model	Ver	100	101	102	150	200	201	202	250
AERS03IR (1)	AF,UF	*			*	*			*
	AS,U,UA	*	*	*	*	*	*	*	*
PX2Z	AF,UF	*			*	*			*
	AS,U	*	*	*	*	*	*	*	*
SA5 (2)	AF,UF	*			*	*			*
	AS,U,UA	*	*	*	*	*	*	*	*
SIT3 (3)	AS,U,UA	*	*	*	*	*	*	*	*
SIT5 (4)	AS,U,UA	*	*	*	*	*	*	*	*
SW3 (2)	AF,AS,UF	*			*	*			*
	U,UA	*	*	*	*	*	*	*	*
SW5 (2)	AF,UF	*			*	*			*
	AS,U,UA	*	*	*	*	*	*	*	*
T-TOUCH	AF,UF	*			*	*			*
	AS,U	*	*	*	*	*	*	*	*
TX (1)	AF,UF	*			*	*			*
	AS,U,UA	*	*	*	*	*	*	*	*
TXB (5)	AF,UF	*			*	*			*
	AS,U,UA	*	*	*	*	*	*	*	*
WMT05	AF,AS,U,UA,UF	*			*	*			*
WMT06	AF,UF	*			*	*			*
	AS,U	*	*	*	*	*	*	*	*
WMT10	AF,UF	*			*	*			*
	AS,U,UA	*	*	*	*	*	*	*	*
Model	Ver	300	301	302	350	400	401	402	450
AERS03IR (1)	AF,UF	*			*	*			*
	AS,U,UA	*	*	*	*	*	*	*	*
PX2Z	AF,UF	*			*	*			*
	AS,U	*	*	*	*	*	*	*	*
SA5 (2)	AF,UF	*			*	*			*
	AS,U,UA	*	*	*	*	*	*	*	*
SIT3 (3)	AS,U,UA	*	*	*	*	*	*	*	*
SIT5 (4)	AS,U,UA	*	*	*	*	*	*	*	*
SW3 (2)	AF,AS,UF	*			*	*			*
	U,UA	*	*	*	*	*	*	*	*
SW5 (2)	AF,UF	*			*	*			*
	AS,U,UA	*	*	*	*	*	*	*	*
T-TOUCH	AF,UF	*			*	*			*
	AS,U	*	*	*	*	*	*	*	*
TX (1)	AF,UF	*			*	*			*
	AS,U,UA	*	*	*	*	*	*	*	*
TXB (5)	AF,UF	*			*	*			*
	AS,U,UA	*	*	*	*	*	*	*	*
WMT05	AF,AS,U,UA,UF	*			*	*			*
WMT06	AF,UF	*			*	*			*
	AS,U	*	*	*	*	*	*	*	*
WMT10	AF,UF	*			*	*			*
	AS,U,UA	*	*	*	*	*	*	*	*
Model	Ver	500	501	502	550	600	601	602	650
AERS03IR (1)	AF,UF	*			*				
	AS,U,UA	*	*	*	*	*	*	*	*
PX2Z	AF,UF	*			*				
	AS,U	*	*	*	*	*	*	*	*
SA5 (2)	AF,UF	*			*				
	AS,U,UA	*	*	*	*	*	*	*	*
SIT3 (3)	AS,U,UA	*	*	*	*	*	*	*	*
SIT5 (4)	AS,U,UA	*	*	*	*	*	*	*	*
SW3 (2)	AF,UF	*			*				
	AS	*			*	*	*	*	*
	U,UA	*	*	*	*	*	*	*	*
SW5 (2)	AF,UF	*			*				
	AS,U,UA	*	*	*	*	*	*	*	*
T-TOUCH	AF,UF	*			*				
	AS,U	*	*	*	*	*	*	*	*
TX (1)	AF,UF	*			*				
	AS,U,UA	*	*	*	*	*	*	*	*
TXB (5)	AF,UF	*			*				
	AS,U,UA	*	*	*	*	*	*	*	*

Model	Ver	500	501	502	550	600	601	602	650
WMT05	AF,UF	*			*				
	AS,U,UA	*			*	*			*
WMT06	AF,UF	*			*				
	AS,U	*	*	*	*	*	*	*	*
WMT10	AF,UF	*			*				
	AS,U,UA	*	*	*	*	*	*	*	*
Model	Ver	700	701	702	750	800	801	802	850
AER503IR (1)	AS,U,UA	*	*	*	*	*	*	*	*
PX2Z	AS,U	*	*	*	*	*	*	*	*
SA5 (2)	AS,U,UA	*	*	*	*	*	*	*	*
SIT3 (3)	AS,U,UA	*	*	*	*	*	*	*	*
SIT5 (4)	AS,U,UA	*	*	*	*	*	*	*	*
SW3 (2)	AS,U,UA	*	*	*	*	*	*	*	*
SW5 (2)	AS,U,UA	*	*	*	*	*	*	*	*
T-TOUCH	AS,U	*	*	*	*	*	*	*	*
TX (1)	AS,U,UA	*	*	*	*	*	*	*	*
TXB (5)	AS,U,UA	*	*	*	*	*	*	*	*
WMT05	AS,U,UA	*			*	*			*
WMT06	AS,U	*	*	*	*	*	*	*	*
WMT10	AS,U,UA	*	*	*	*	*	*	*	*
Model	Ver	900	901		950		1000		1001
AER503IR (1)	AF,UF				*		*		
	AS,U,UA	*		*	*		*		*
PX2Z	AF,UF						*		
	AS,U	*		*	*		*		*
SA5 (2)	AF,UF				*		*		
	AS,U,UA	*		*	*		*		*
SIT3 (3)	AF,UF						*		
	AS,U,UA	*		*	*		*		*
SIT5 (4)	AF,UF						*		
	AS,U,UA	*		*	*		*		*
SW3 (2)	AF,UF				*		*		
	AS	*		*	*		*		
	U,UA	*		*	*		*		*
SW5 (2)	AF,UF				*		*		
	AS,U,UA	*		*	*		*		*
T-TOUCH	AF,UF	*			*		*		
	AS,U	*		*	*		*		*
TX (1)	AF,UF				*		*		
	AS,U,UA	*		*	*		*		*
TXB (5)	AF,UF				*		*		
	AS,U,UA	*		*	*		*		*
WMT05	AF,AS,U,UA,UF	*			*		*		
WMT06	AF,UF	*			*		*		
	AS,U	*		*	*		*		*
WMT10	AF,UF	*			*		*		
	AS,U,UA	*		*	*		*		*

(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.

(5) Installation on the fan coil.

VMF system

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

VMF system

Model	Ver	100	101	102	150	200	201	202	250	300	301
VMF-E0X (1)	AF,UF	*			*	*			*	*	
	AS,U,UA	*	*	*	*	*	*	*	*	*	*
VMF-E19	AF,UF	*			*	*			*	*	
	AS,U,UA	*	*	*	*	*	*	*	*	*	*
VMF-E2Z	AF,UF	*			*	*			*	*	
	AS,U,UA	*	*	*	*	*	*	*	*	*	*
VMF-E3	AF,UF	*			*	*			*	*	
	U,UA	*	*	*	*	*	*	*	*	*	*
VMF-E4DX	AF,UF	*			*	*			*	*	
	AS,U,UA	*	*	*	*	*	*	*	*	*	*
VMF-E4X	AF,UF	*			*	*			*	*	
	AS,U,UA	*	*	*	*	*	*	*	*	*	*

Model	Ver	100	101	102	150	200	201	202	250	300	301
VMF-IR	AF,UF	*			*	*			*	*	
	U,UA	*	*	*	*	*	*	*	*	*	*
VMF-SW	AF,UF	*			*	*			*	*	
	AS,U	*	*	*	*	*	*	*	*	*	*
VMF-SW1	AF,UF	*			*	*			*	*	
	AS,U	*	*	*	*	*	*	*	*	*	*
Model	Ver	302	350	400	401	402	450	500	501	502	550
VMF-E0X (1)	AF,UF		*	*			*	*			*
	AS,U,UA	*	*	*	*	*	*	*	*	*	*
VMF-E19	AF,UF		*	*			*	*			*
	AS,U,UA	*	*	*	*	*	*	*	*	*	*
VMF-E2Z	AF,UF		*	*			*	*			*
	AS,U,UA	*	*	*	*	*	*	*	*	*	*
VMF-E3	AF,UF		*	*			*	*			*
	U,UA	*	*	*	*	*	*	*	*	*	*
VMF-E4DX	AF,UF		*	*			*	*			*
	AS,U,UA	*	*	*	*	*	*	*	*	*	*
VMF-E4X	AF,UF		*	*			*	*			*
	AS,U,UA	*	*	*	*	*	*	*	*	*	*
VMF-IR	AF,UF		*	*			*	*			*
	U,UA	*	*	*	*	*	*	*	*	*	*
VMF-SW	AF,UF		*	*			*	*			*
	AS,U	*	*	*	*	*	*	*	*	*	*
VMF-SW1	AF,UF		*	*			*	*			*
	AS,U	*	*	*	*	*	*	*	*	*	*
Model	Ver	600	601	602	650	700	701	702	750	800	801
SIT3Z	AF,UF	*			*	*			*	*	
	U,UA	*	*	*	*	*	*	*	*	*	*
VMF-E0X (1)	AS,UA	*	*	*	*	*	*	*	*	*	*
	U		*	*			*	*			*
VMF-E19	AS,UA	*	*	*	*	*	*	*	*	*	*
	U		*	*			*	*			*
VMF-E2Z	AS,UA	*	*	*	*	*	*	*	*	*	*
	U		*	*			*	*			*
VMF-E3	AF,UF	*			*	*			*	*	
	U,UA	*	*	*	*	*	*	*	*	*	*
VMF-E4DX	AS,UA	*	*	*	*	*	*	*	*	*	*
	U		*	*			*	*			*
VMF-E4X	AS,UA	*	*	*	*	*	*	*	*	*	*
	U		*	*			*	*			*
VMF-IR	AF,UF	*			*	*			*	*	
	U,UA	*	*	*	*	*	*	*	*	*	*
VMF-SIT3 (2)	AF,UF	*			*	*			*	*	
	U,UA	*	*	*	*	*	*	*	*	*	*
VMF-SW	AS	*	*	*	*	*	*	*	*	*	*
	U		*	*			*	*			*
VMF-SW1	AS	*	*	*	*	*	*	*	*	*	*
	U		*	*			*	*			*
Model	Ver	802	850	900	901	950	1000	1001			
SIT3Z	AF,UF		*	*		*					
	U,UA	*	*	*	*	*					
VMF-E0X (1)	AF,UF					*					
	AS,UA	*	*	*	*	*	*	*			
VMF-E19	U	*		*	*	*	*	*			
	AF,UF					*					
VMF-E2Z	AS,UA	*	*	*	*	*	*	*			
	U	*		*	*	*	*	*			
VMF-E3	AF		*	*		*					
	U,UA	*	*	*	*	*	*	*			
VMF-E4DX	UF		*	*		*	*	*			
	AF,UF					*					
VMF-E4X	AS,UA	*	*	*	*	*	*	*			
	U	*		*	*	*	*	*			
VMF-E4X	AF,UF					*					
	AS,UA	*	*	*	*	*	*	*			
VMF-E4X	U	*		*	*	*	*	*			

Model	Ver	802	850	900	901	950	1000	1001
VMF-IR	AF		*	*		*		
	U,UA	*	*	*	*	*	*	*
	UF		*	*		*	*	
VMF-SIT3 (2)	AF,UF		*	*		*		
	U,UA	*	*	*	*	*		
VMF-SW	AF,UF					*		
	AS	*	*	*	*	*	*	*
	U	*		*	*	*	*	*
VMF-SW1	AF,UF					*		
	AS	*	*	*	*	*	*	*
	U	*		*	*	*	*	*

(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.

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
VCZ1X4L (1)	AF,AS,U,UA,UF	*			*	*			*
VCZ1X4R (1)	AF,AS,U,UA,UF	*			*	*			*
Model	Ver	300	301	302	350	400	401	402	450
VCZ2X4L (1)	AF,AS,U,UA,UF	*			*	*			*

Model	Ver	300	301	302	350	400	401	402	450
VCZ2X4R (1)	AF,AS,U,UA,UF	*			*	*			*
Model	Ver	500	501	502	550	600	601	602	650
VCZ2X4L (1)	AF,UF	*			*				
	AS,U,UA	*			*	*			*
VCZ2X4R (1)	AF,UF	*			*				
	AS,U,UA	*			*	*			*
Model	Ver	700	701	702	750	800	801	802	850
VCZ2X4L (1)	AS,U,UA	*			*	*			*
VCZ2X4R (1)	AS,U,UA	*			*	*			*
Model	Ver	900	901		950		1000		1001
VCZ3X4L (1)	AF,AS,U,UA,UF	*			*		*		
VCZ3X4R (1)	AF,AS,U,UA,UF	*			*		*		

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

Combined Adjustment and Balancing Valve Kit

Model	Ver	100	101	102	150	200	201	202	250
VJP060 (1)	ACT,APC	*			*	*			*
	AS,U,UA	*	*	*	*	*	*	*	*
VJP060M (2)	ACT,APC	*			*	*			*
	AS,U,UA	*	*	*	*	*	*	*	*
Model	Ver	300	301	302	350	400	401	402	450
VJP060 (1)	ACT,APC	*			*				
	AS,U,UA	*	*	*	*				
VJP060M (2)	ACT,APC	*			*				
	AS,U,UA	*	*	*	*				
VJP090 (1)	ACT,APC					*			*
	AS,U,UA					*	*	*	*
VJP090M (2)	ACT,APC					*			*
	AS,U,UA					*	*	*	*
Model	Ver	500	501	502	550	600	601	602	650
VJP090 (1)	ACT,APC	*			*	*			*
	AS,U,UA	*	*	*	*	*	*	*	*
VJP090M (2)	ACT,APC	*			*	*			*
	AS,U,UA	*	*	*	*	*	*	*	*
VJP150 (1)	ACT,APC					*			*
	AS,U,UA					*	*	*	*
VJP150M (2)	ACT,APC					*			*
	AS,U,UA					*	*	*	*
Model	Ver	700	701	702	750	800	801	802	850
VJP150 (1)	ACT,APC				*				*
	AS,U,UA		*	*	*		*	*	*
VJP150M (2)	ACT,APC				*				*
	AS,U,UA		*	*	*		*	*	*
Model	Ver	900	901		950		1000		1001
VJP150 (1)	ACT,APC				*		*		
	AS,U,UA		*	*	*		*	*	*
VJP150M (2)	ACT,APC				*		*		
	AS,U,UA		*	*	*		*	*	*

(1) 230V~50Hz

(2) 24V

Model	Ver	100	101	102	150	200	201	202	250
VDP15HF (1)	A,AS,U,UA	*	*	*	*	*	*	*	*
	ACT,AF,APC,UF	*			*	*			*
VDP15HF24 (1)	A,AS,U,UA	*	*	*	*	*	*	*	*
	ACT,AF,APC,UF	*			*	*			*
VDP15HFM (1)	A,AS,U,UA	*	*	*	*	*	*	*	*
	ACT,AF,APC,UF	*			*	*			*
Model	Ver	300	301	302	350	400	401	402	450
VDP15HF (1)	A,AS,U,UA	*	*	*	*	*	*	*	*
	ACT,AF,APC,UF	*			*	*			*
VDP15HF24 (1)	A,AS,U,UA	*	*	*	*	*	*	*	*
	ACT,AF,APC,UF	*			*	*			*
VDP15HFM (1)	A,AS,U,UA	*	*	*	*	*	*	*	*
	ACT,AF,APC,UF	*			*	*			*

Model	Ver	500	501	502	550	600	601	602	650
VDP15HF (1)	A,AS,U,UA	*	*	*	*	*	*	*	*
	ACT,APC	*			*	*			*
	AF,UF	*			*				
VDP15HF24 (1)	A,AS,U,UA	*	*	*	*	*	*	*	*
	ACT,APC	*			*	*			*
	AF,UF	*			*				
VDP15HFM (1)	A,AS,U,UA	*	*	*	*	*	*	*	*
	ACT,APC	*			*	*			*
	AF,UF	*			*				
Model	Ver	700	701	702	750	800	801	802	850
VDP15HF (1)	A,AS,U,UA	*	*	*	*	*	*	*	*
	ACT,APC	*			*	*			*
VDP15HF24 (1)	A,AS,U,UA	*	*	*	*	*	*	*	*
	ACT,APC	*			*	*			*
VDP15HFM (1)	A,AS,U,UA	*	*	*	*	*	*	*	*
	ACT,APC	*			*	*			*
Model	Ver	900	901	950	1000	1001			
VDP15HF (1)	A,AS,U,UA	*	*	*	*	*			*
	ACT,AF,APC,UF	*		*	*	*			
VDP15HF24 (1)	A,AS,U,UA	*	*	*	*	*			*
	ACT,AF,APC,UF	*		*	*	*			
VDP15HFM (1)	A,AS,U,UA	*	*	*	*	*			*
	ACT,AF,APC,UF	*		*	*	*			

(1) The compatibility of the valves with the unit must be checked using the project capacity.

(Heating only) additional coil

Heating only additional coil

Model	Ver	100	101	102	150	200	201	202	250
BV117 (1)	A,AF,AS,U,UA,UF	*							
BV122 (1)	A,AF,AS,U,UA,UF					*			
Model	Ver	300	301	302	350	400	401	402	450
BV132 (1)	A,AF,AS,U,UA,UF	*							
BV142 (1)	A,AF,AS,U,UA,UF					*			
Model	Ver	500	501	502	550	600	601	602	650
BV142 (1)	A,AF,AS,U,UA,UF	*							
BVZ800 (1)	A,AS,U,UA					*			
Model	Ver	700	701	702	750	800	801	802	850
BVZ800 (1)	A,AS,U,UA	*				*			
Model	Ver	900	901	950	1000	1001			
BV162 (1)	A,AF,AS,U,UA,UF	*				*			

(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
RX17 (1)	AF,AS,U,UA,UF	*							
RX22 (1)	AF,AS,U,UA,UF					*			
Model	Ver	300	301	302	350	400	401	402	450
RX32 (1)	AF,AS,U,UA,UF	*							
RX42 (1)	AF,AS,U,UA,UF					*			
Model	Ver	500	501	502	550	600	601	602	650
RX52 (1)	AF,AS,U,UA,UF	*							
RXZ800 (1)	AS,U,UA					*			
Model	Ver	700	701	702	750	800	801	802	850
RXZ800 (1)	AS,U,UA	*				*			
Model	Ver	900	901	950	1000	1001			
RX62 (1)	AF,AS,U,UA,UF	*				*			

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

Installation accessories

Wall mounting kit

Ver	100	101	102	150	200	201	202	250
U,UA	AMP20	AMP20	AMP20	AMP20	AMP20	AMP20	AMP20	AMP20
UF	AMP20	-	-	AMP20	AMP20	-	-	AMP20

The accessory cannot be fitted on the configurations indicated with -

Ver	300	301	302	350	400	401	402	450
U,UA	AMP20	AMP20	AMP20	AMP20	AMP20	AMP20	AMP20	AMP20

Ver	300	301	302	350	400	401	402	450
UF	AMP20	-	-	AMP20	AMP20	-	-	AMP20

The accessory cannot be fitted on the configurations indicated with -

Ver	500	501	502	550	600	601	602	650
U,UA	AMP20	AMP20	AMP20	AMP20	AMPZ	AMPZ	AMPZ	AMPZ
UF	AMP20	-	-	AMP20	-	-	-	-

The accessory cannot be fitted on the configurations indicated with -

Ver	700	701	702	750	800	801	802	850
U,UA	AMPZ	AMPZ	AMPZ	AMPZ	AMPZ	AMPZ	AMPZ	AMPZ
Ver	900	901	950	1000	1001			
U,UA	AMPZ	AMPZ	AMPZ	AMPZ	AMPZ			

Condensate recirculation device

Model	Ver	100	101	102	150	200	201	202	250
DSCZ4 (1)	A,AS,U,UA	•	•	•	•	•	•	•	•
	ACT,APC	•			•	•			•
Model	Ver	300	301	302	350	400	401	402	450
DSCZ4 (1)	A,AS,U,UA	•	•	•	•	•	•	•	•
	ACT,APC	•			•	•			•
Model	Ver	500	501	502	550	600	601	602	650
DSCZ4 (1)	A,AS,U,UA	•	•	•	•	•	•	•	•
	ACT,APC	•			•	•			•
Model	Ver	700	701	702	750	800	801	802	850
DSCZ4 (1)	A,AS,U,UA	•	•	•	•	•	•	•	•
	ACT,APC	•			•	•			•
Model	Ver	900	901	950	1000	1001			
DSCZ4 (1)	A,AS,U,UA	•	•	•	•	•			
	ACT,APC	•			•	•			

(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.

Condensate drip

Model	Ver	100	101	102	150	200	201	202	250
BCZ4 (1)	A,AS,U,UA	•	•	•	•	•	•	•	•
	ACT,APC	•			•	•			•
BCZ5 (2)	A,AS,U,UA	•	•	•	•	•	•	•	•
	ACT,APC	•			•	•			•
Model	Ver	300	301	302	350	400	401	402	450
BCZ4 (1)	A,AS,U,UA	•	•	•	•	•	•	•	•
	ACT,APC	•			•	•			•
BCZ5 (2)	A,AS,U,UA	•	•	•	•	•	•	•	•
	ACT,APC	•			•	•			•
Model	Ver	500	501	502	550	600	601	602	650
BCZ4 (1)	A,AS,U,UA	•	•	•	•	•	•	•	•
	ACT,APC	•			•	•			•
BCZ5 (2)	A,AS,U,UA	•	•	•	•	•	•	•	•
	ACT,APC	•			•	•			•
Model	Ver	700	701	702	750	800	801	802	850
BCZ4 (1)	A,AS,U,UA	•	•	•	•	•	•	•	•
	ACT,APC	•			•	•			•
BCZ5 (2)	A,AS,U,UA	•	•	•	•	•	•	•	•
	ACT,APC	•			•	•			•
Model	Ver	900	901	950	1000	1001			
BCZ4 (1)	A,AS,U,UA	•	•	•	•	•			
	ACT,APC	•			•	•			
BCZ6 (2)	A,AS,U,UA	•	•	•	•	•			
	ACT,APC	•			•	•			

(1) For vertical installation.

(2) For horizontal installation.

Panel closing the rear of the unit

Model	Ver	100	101	102	150	200	201	202	250
PCZ100	A,AS,U,UA	•	•	•	•				
	ACT,APC	•			•				
PCZ200	A,AS,U,UA					•	•	•	•
	ACT,APC					•			•

Model	Ver	300	301	302	350	400	401	402	450
PCZ300	A,AS,U,UA	*	*	*	*				
	ACT,APC	*			*				
PCZ500	A,AS,U,UA					*	*	*	*
	ACT,APC					*			*
Model	Ver	500	501	502	550	600	601	602	650
PCZ500	A,AS,U,UA	*	*	*	*				
	ACT,APC	*			*				
PCZ800	A,AS,U,UA					*	*	*	*
	ACT,APC					*			*
Model	Ver	700	701	702	750	800	801	802	850
PCZ800	A,AS,U,UA	*	*	*	*	*	*	*	*
	ACT,APC	*			*	*			*
Model	Ver	900		901		950		1000	1001
PCZ1000	A,AS,U,UA	*		*		*	*		*
	ACT,APC	*				*	*		

Lower intake grille

Model	Ver	100	101	102	150	200	201	202	250
GA100	U,UA	*	*	*	*				
GA200	U,UA					*	*	*	*
Model	Ver	300	301	302	350	400	401	402	450
GA300	U,UA	*	*	*	*				
GA500	U,UA					*	*	*	*
Model	Ver	500	501	502	550	600	601	602	650
GA500	U,UA	*	*	*	*				
GA800	U,UA					*	*	*	*
Model	Ver	700	701	702	750	800	801	802	850
GA800	U,UA	*	*	*	*	*	*	*	*
Model	Ver	900		901		950		1000	1001
GA800	U,UA	*		*		*	*		*

Supports to be combined with the ornamental grille (GA) for floor installation of the fan coil

Model	Ver	100	101	102	150	200	201	202	250
FIKIT100	A,AS,U,UA	*	*	*	*				
	ACT,AF,APC,UF	*			*				
FIKIT200	A,AS,U,UA					*	*	*	*
	ACT,AF,APC,UF					*			*
Model	Ver	300	301	302	350	400	401	402	450
FIKIT300	A,AS,U,UA	*	*	*	*				
	ACT,AF,APC,UF	*			*				
FIKIT500	A,AS,U,UA					*	*	*	*
	ACT,AF,APC,UF					*			*
Model	Ver	500	501	502	550	600	601	602	650
FIKIT500	A,AS,U,UA	*	*	*	*				
	ACT,AF,APC,UF	*			*				
FIKIT800	A,AS,U,UA					*	*	*	*
	ACT,APC					*			*
Model	Ver	700	701	702	750	800	801	802	850
FIKIT800	ACT,APC	*			*	*			*
	U,UA	*	*	*	*	*	*	*	*
Model	Ver	900		901		950		1000	1001
FIKIT800	A,AS,U,UA	*		*		*	*		*
	ACT,AF,APC,UF	*				*	*		

Pair of stylish structural feet

Model	Ver	100	101	102	150	200	201	202	250
ZXZ	A,AS,U,UA	*	*	*	*	*	*	*	*
	ACT,APC	*			*	*			*
Model	Ver	300	301	302	350	400	401	402	450
ZXZ	A,AS,U,UA	*	*	*	*	*	*	*	*
	ACT,APC	*			*	*			*
Model	Ver	500	501	502	550	600	601	602	650
ZXZ	A,AS,U,UA	*	*	*	*	*	*	*	*
	ACT,APC	*			*	*			*

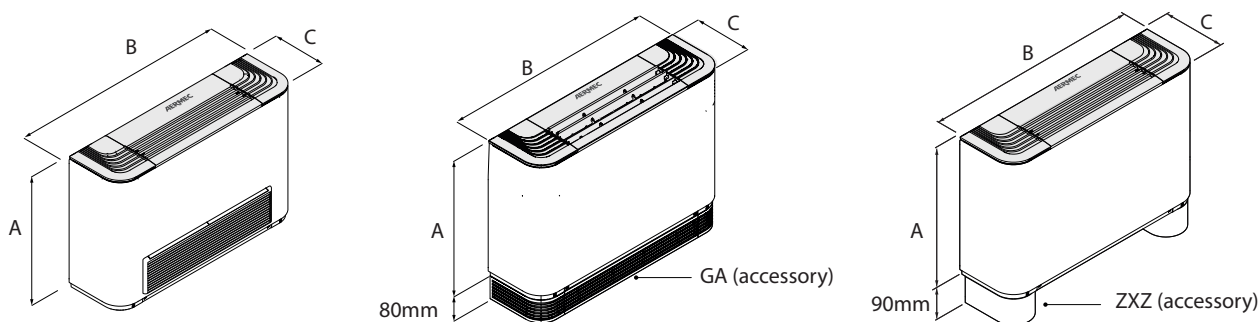
Model	Ver	700	701	702	750	800	801	802	850
ZXZ	A,AS,U,UA	•	•	•	•	•	•	•	•
	ACT,APC	•			•	•			•
Model	Ver	900	901	950	1000	1001			
ZXZ	A,AS,U,UA	•	•	•	•	•			
	ACT,APC	•		•	•	•			

PERFORMANCE SPECIFICATIONS

2-pipe

	FCZ100			FCZ150			FCZ200			FCZ250			FCZ300			FCZ350			FCZ400			FCZ450			FCZ500			FCZ550					
	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	0,80	1,06	1,27	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	0,57	0,80	0,97	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	138	182	219	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	6	12	13	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		2		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	
Diameter hydraulic fittings																																	
Main coil	Ø		1/2"		1/2"		1/2"		1/2"		1/2"		3/4"		3/4"		3/4"		3/4"		3/4"		3/4"		3/4"		3/4"		3/4"		3/4"		
Power supply																																	
Power supply			230V~50Hz																														

DIMENSIONS



		FCZ100	FCZ101	FCZ102	FCZ150	FCZ200	FCZ201	FCZ202	FCZ250	FCZ300	FCZ301	FCZ302	FCZ350	FCZ400	FCZ401	FCZ402	FCZ450
Dimensions and weights																	
A	mm	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486
B	mm	640	640	640	640	750	750	750	750	980	980	980	980	1200	1200	1200	1200
C	mm	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220
Empty weight	kg	13	14	14	14	15	15	16	16	17	18	19	19	33	23	23	24

		FCZ500	FCZ501	FCZ502	FCZ550	FCZ600	FCZ601	FCZ602	FCZ650	FCZ700	FCZ701	FCZ702	FCZ750	FCZ800	FCZ801	FCZ802	FCZ850
Dimensions and weights																	
A	mm	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486
B	mm	1200	1200	1200	1200	1200	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320
C	mm	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220
Empty weight	kg	24	22	23	24	24	29	31	33	29	31	33	33	29	29	31	33

		FCZ900		FCZ901		FCZ950		FCZ1000		FCZ1001	
Dimensions and weights											
A	mm	591		591		591		591		591	
B	mm	1320		1320		1320		1320		1320	
C	mm	220		220		220		220		220	
Empty weight	kg	34		34		34		34		34	

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

Fan coil with brushless inverter motor, for universal and floor installation

Cooling capacity 0,89 ÷ 6,91 kW
Heating capacity 2,02 ÷ 17,10 kW

- Electric saving equal to 50% with respect to a fan coil with 3-speed motor
- Touch controller mounted on-board. allows remote control with smart devices
- 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

Case

Protective metal cabinet with anti-corrosion polyester RAL 9003 paint, whereas the head with the air distribution grille is in RAL 7047 plastic. **Depending on the version, the distribution grille may be adjustable.**

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 1-10V 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.

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

ACT High, with air distribution grille and electronic thermostat

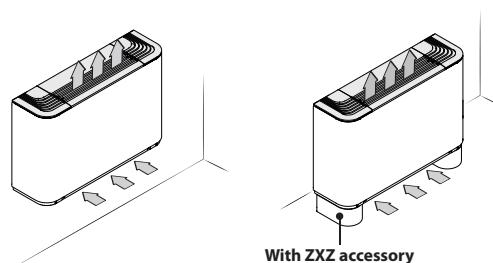
AF High, without built-in command but with front intake

AS High, with air distribution grille and built-in command

U Universal, with adjustable air distribution grille but without built-in thermostat

UF Universal, with adjustable air distribution grille but without built-in thermostat and with front intake grille

Versions with fixed grille (high cabinet)



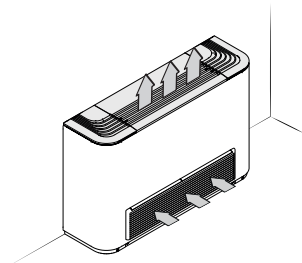
FCZI_AS

— Compatibility with VMF system.

— Without installed switch

FCZI_ACT

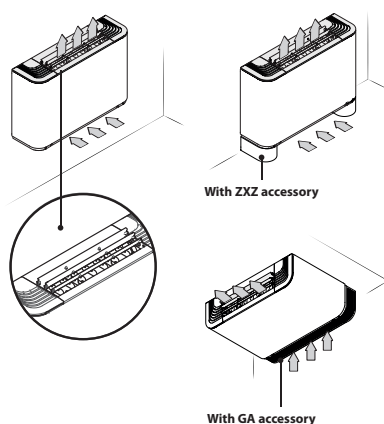
— With electronic thermostat for 2-pipe systems only.



FCZI_AF

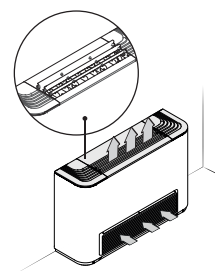
— Without installed switch
— Compatibility with VMF system.
— Front intake grille.

Versions with adjustable and fixed grille (universal)



FCZI_U

— Compatibility with VMF system.
— Without installed switch
— Distribution grille with adjustable fins. Sizes 2 and 3 have a single grille, whereas sizes 4, 5, 7 and 9 have three grilles fully independent of each other. When all the fins have closed, the unit switches off.
— Vertical and horizontal installation for 2-pipe and 4-pipe systems.



FCZI_UF

— Compatibility with VMF system.
— Without installed switch
— Air delivery grille with adjustable fins.

ThermApp

In units with a **T-Touch-I** electronic thermostat and the **ThermApp** application, the operating mode can be set and the weekly timer programmed by simply resting the smart device on the fan coil. The graphic interface of the app also gives access to a lot more information such as the alarm list, the closest SAT, etc.

Available for Android operating systems.



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
0	Without coil
1	Standard
2	Oversized
8,9,10	Version
Only vertical installation.	
ACT	High, with air distribution grille and electronic thermostat
AF	High, without built-in command but with front intake
AS	Free standing without installed switch
Vertical and horizontal installation.	
U	Universal, with adjustable air distribution grille but without built-in thermostat
Universal, with adjustable air distribution grille but without built-in thermostat and with front intake grille	
UF	Universal, with adjustable air distribution grille but without built-in thermostat and with front intake grille

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)	AS,ACT,U	•	•	•	•	•	•	•	•	•	•	•
	AF,UF	•	-	-	•	•	-	•	•	-	-	•
	500	501	502	550	700	701	702	750	900	901	950	
Versions produced (by size)												
Versions available (by size)	A,AS,U,UA	•	•	•	•	•	•	•	•	•	•	
	AF,UF	•	-	-	•	-	-	-	•	-	•	

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.

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.

T-TOUCH-I: Touch control on board the machine, for controlling fan coils with brushless motors. In 2-pipe systems, it can control standard fan coils or those equipped with an electric heater, with air purifying devices or with FCZI-D twin delivery (Dualjet). In 4-pipe systems, only standard fan coils. The ThermApp application is also available for remote control with smart devices with the Android operating system.

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).

TXBI: Thermostat on board the machine, for FCZI fan coils with brushless motor, complete with water probe and air probe to be positioned in the relative housings. 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), radiant plate or FCZI-D twin delivery (Dualjet).

VMF system

VMF-E19I: Thermostat to be secured to the side of the fan coil, fitted as standard with an air probe and a water probe, it controls systems with 2 pipes, 4 pipes, 2 pipes + Cold Plasma, 2 pipes + UV lamps, 2 pipes + Heating element. Equipped with an external contact to be used as a remote ON-OFF at low voltage. By means of 2-wire serial communication, this thermostat allows for the creation of a single fan coil area (1 master + maximum 5 slaves). Compared to the previous model, thanks to a different dip switch configuration, it allows implementing new features: In systems with two pipes and a heating element - the latter can be activated as a complete replacement - allowing you to warm the environment exclusively with this accessory - Dualjet features are available in standard software and can be set via dip switch - Economy contact/presence sensor - Additional water sensor for overall control in 4-pipe systems (with VMF-SW1 accessory) - Serial RS485, ModBus RTU protocol, for centralised control - Possibility of inserting expansion boards for future developments. The VMF-E19 accessory must be therefore used in masters in the presence of multiple zones, or for communication with the chiller/heat pump - Compatibility with the VMF-IO accessory - Compatibility with VMF-LON expansion board. The thermostat is protected by a fuse.

VMF-E2Z: User interface on the fan coil, with two selectors, one for temperature and the other for speed control; to be combined with accessories VMF-E0, VMF-E19, VMF-E19I.

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-E4X: Wall-mounted user interface, to be combined with accessories VMF-E19 and VMF-E19I for the box grilles. Innovative design, extremely thin and with a reasonable price, it makes it possible to control functions using the capacitive touch keypad, with LCD display. It is possible to select whether to regulate the environment using the panel sensor (standard) or the fancoil sensor to which it is connected, or by means of the averaged reading. It also permits activating the air purifier accessory (Cold Plasma / UV lamp) and the electric resistor. 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 probe used if required in place of the standard unit supplied with the VMF-E0X, VMF-E19 and VMF-E19I thermostats for mounting it upstream of the valve.

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

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.

Additional coil

BV: Single row hot water heat exchanger.

Installation accessories

PCZ: Sheet metal panel closing the rear of the unit.

GA: Lower intake grille for encapsulated fan coils. Can also be used in wall-mounted or floor installations, the FKIT accessory is needed only in the case of floor installation.

FIKIT: Metal supports for vertical installation of the GA grille.

DSCZ4: Condensate drainage device.

BCZ: Condensate drip.

AMP: Wall mounting kit

ZXZ: Pair of stylish and structural feet.

ACCESSORIES COMPATIBILITY

Control panels

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450
AER503IR (1)	AF,UF	*			*	*			*	*			*
	AS,U	*	*	*	*	*	*	*	*	*	*	*	*
PRO503	AF,UF	*			*	*			*	*			*
	AS,U	*	*	*	*	*	*	*	*	*	*	*	*
SA5 (2)	AF,UF	*			*	*			*	*			*
	AS,U	*	*	*	*	*	*	*	*	*	*	*	*
SW3 (2)	AF,UF	*			*	*			*	*			*
	AS,U	*	*	*	*	*	*	*	*	*	*	*	*
SW5 (2)	AF,UF	*			*	*			*	*			*
	AS,U	*	*	*	*	*	*	*	*	*	*	*	*
T-TOUCH-I	AF,UF	*			*	*			*	*			*
	AS,U	*	*	*	*	*	*	*	*	*	*	*	*
TX (1)	AF,UF	*			*	*			*	*			*
	AS,U	*	*	*	*	*	*	*	*	*	*	*	*
TXBI (3)	AF,UF	*			*	*			*	*			*
	AS,U	*	*	*	*	*	*	*	*	*	*	*	*

Model	Ver	500	501	502	550	700	701	702	750	900	901	950
AER503IR (1)	AF,UF	*			*					*		*
	AS,U	*	*	*	*	*	*	*	*	*	*	*
PRO503	AF,UF	*			*	*			*	*		*
	AS,U	*	*	*	*	*	*	*	*	*	*	*
SA5 (2)	AF,UF	*			*	*			*	*		*
	AS,U	*	*	*	*	*	*	*	*	*	*	*
SW3 (2)	AF,UF	*			*	*			*	*		*
	AS,U	*	*	*	*	*	*	*	*	*	*	*
SW5 (2)	AF,UF	*			*	*			*	*		*
	AS,U	*	*	*	*	*	*	*	*	*	*	*
T-TOUCH-I	AF,UF	*			*	*			*	*		*
	AS,U	*	*	*	*	*	*	*	*	*	*	*
TX (1)	AF,UF	*			*	*			*	*		*
	AS,U	*	*	*	*	*	*	*	*	*	*	*
TXBI (3)	AF,UF	*			*	*			*	*		*
	AS,U	*	*	*	*	*	*	*	*	*	*	*

(1) Wall-mount installation.

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

(3) Installation on the fan coil.

VMF system

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

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450
VMF-E19I	AF,UF	*			*	*			*	*			*
	AS,U	*	*	*	*	*	*	*	*	*	*	*	*
VMF-E2Z	AF,UF	*			*	*			*	*			*
	AS,U	*	*	*	*	*	*	*	*	*	*	*	*
VMF-E3	AF,UF	*			*	*			*	*			*
	AS,U	*	*	*	*	*	*	*	*	*	*	*	*
VMF-E4X	AF,UF	*			*	*			*	*			*
	AS,U	*	*	*	*	*	*	*	*	*	*	*	*
VMF-I0	AF,UF	*			*	*			*	*			*
	AS,U	*	*	*	*	*	*	*	*	*	*	*	*
VMF-IR	AF,UF	*			*	*			*	*			*
	AS,U	*	*	*	*	*	*	*	*	*	*	*	*
VMF-LON	AF,UF	*			*	*			*	*			*
	AS,U	*	*	*	*	*	*	*	*	*	*	*	*
VMF-SW	AF,UF	*			*	*			*	*			*
	AS,U	*	*	*	*	*	*	*	*	*	*	*	*
VMF-SW1	AF,UF	*			*	*			*	*			*
	AS,U	*	*	*	*	*	*	*	*	*	*	*	*

Model	Ver	500	501	502	550	700	701	702	750	900	901	950
VMF-E19I	AF,UF	*			*					*		*
	AS,U	*	*	*	*	*	*	*	*	*	*	*
VMF-E2Z	AF,UF	*			*					*		*
	AS,U	*	*	*	*	*	*	*	*	*	*	*
VMF-E3	AF,UF	*			*	*			*	*		*
	AS,U	*	*	*	*	*	*	*	*	*	*	*
VMF-E4X	AF,UF	*			*				*	*		*
	AS,U	*	*	*	*	*	*	*	*	*	*	*

Model	Ver	500	501	502	550	700	701	702	750	900	901	950
VMF-IO	AF,UF	*			*					*		*
	AS,U	*	*	*	*	*	*	*	*	*	*	*
VMF-IR	AF,UF	*			*	*			*	*		*
	AS,U	*	*	*	*	*	*	*	*	*	*	*
VMF-LON	AF,UF	*			*					*		*
	AS,U	*	*	*	*	*	*	*	*	*	*	*
VMF-SW	AF,UF	*			*					*		*
	AS,U	*	*	*	*	*	*	*	*	*	*	*
VMF-SW1	AF,UF	*			*					*		*
	AS,U	*	*	*	*	*	*	*	*	*	*	*

Water valves

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	VCF44	-	-	VCF44	VCF44	-	-	VCF44	VCF44	-
		VCZ4424	VCZ4424			VCZ4424	VCZ4424			VCZ4424	VCZ4424	
Additional coil "BV"	VCF44				VCF44				VCF44			
	VCZ4424	-	-	-	VCZ4424	-	-	-	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	VCZ43
	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4324	VCZ4324	VCZ4324	VCZ4324
Secondary coil	-	VCF44	VCF44	-	-	VCF44	VCF44	-	-	VCF45	-	
		VCZ4424	VCZ4424			VCZ4424	VCZ4424			VCZ4524		
Additional coil "BV"	VCF44				VCF44				VCF45			
	VCZ4424	-	-	-	VCZ4424	-	-	-	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	VCZD3
	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD324	VCZD324	VCZD324	VCZD324
Secondary coil	-	VCFD4	VCFD4	-	-	VCFD4	VCFD4	-	-	VCFD4	-	
		VCZD424	VCZD424			VCZD424	VCZD424			VCZD424		
Additional coil "BV"	VCFD4				VCFD4				VCFD4			
	VCZD424	-	-	-	VCZD424	-	-	-	VCZD424	-	-	

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
VCZ1X4L (1)	AF,AS,U,UF	.			.								
VCZ1X4R (1)	AF,AS,U,UF	.			.								
VCZ2X4L (1)	AF,AS,U,UF					.			.	.			.
VCZ2X4R (1)	AF,AS,U,UF					.			.	.			.
Model	Ver	500	501	502	550	700	701	702	750	900	901	950	
VCZ2X4L (1)	AF,UF	.			.								
	AS,U	.			.	.			.				
VCZ2X4R (1)	AF,UF	.			.								
	AS,U	.			.	.			.				
VCZ3X4L (1)	AF,AS,U,UF									.		.	
VCZ3X4R (1)	AF,AS,U,UF									.		.	

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

Combined Adjustment and Balancing Valve Kit

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450
VJP060 (1)	ACT,AS,U	*	*	*	*	*	*	*	*		*	*	
	AF,UF	*			*	*			*				
VJP060M (2)	ACT,AS,U	*	*	*	*	*	*	*	*		*	*	
	AF,UF	*			*	*			*				
VJP090 (1)	ACT,AF,AS,U,UF									*			*
VJP090M (2)	ACT,AF,AS,U,UF									*			*

Model	Ver	500	501	502	550	700	701	702	750	900	901	950
VJP060 (1)	ACT,AS,U		*	*			*	*				
VJP060M (2)	ACT,AS,U		*	*			*	*				
VJP090 (1)	ACT,AF,AS,U,UF	*			*							
VJP090M (2)	ACT,AF,AS,U,UF	*			*							
VJP150 (1)	ACT,AS,U					*			*	*	*	*
	AF,UF									*		*
VJP150M (2)	ACT,AS,U					*			*	*	*	*
	AF,UF									*		*

(1) 230V~50Hz

(2) 24V

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450
VDP15HF (1)	ACT,AS,U	*	*	*	*	*	*	*	*	*	*	*	*
	AF,UF	*			*	*			*	*			*
VDP15HF24 (1)	ACT,AS,U	*	*	*	*	*	*	*	*	*	*	*	*
	AF,UF	*			*	*			*	*			*
VDP15HFM (1)	ACT,AS,U	*	*	*	*	*	*	*	*	*	*	*	*
	AF,UF	*			*	*			*	*			*

Model	Ver	500	501	502	550	700	701	702	750	900	901	950
VDP15HF (1)	ACT,AS,U	*	*	*	*	*	*	*	*	*	*	*
	AF,UF	*			*					*		*
VDP15HF24 (1)	ACT,AS,U	*	*	*	*	*	*	*	*	*	*	*
	AF,UF	*			*					*		*
VDP15HFM (1)	ACT,AS,U	*	*	*	*	*	*	*	*	*	*	*
	AF,UF	*			*					*		*

(1) The compatibility of the valves with the unit must be checked using the project capacity.

(Heating only) additional coil

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450
BV122 (1)	ACT,AF,AS,U,UF	*											
BV132 (1)	ACT,AF,AS,U,UF					*							
BV142 (1)	ACT,AF,AS,U,UF									*			

Model	Ver	500	501	502	550	700	701	702	750	900	901	950
BV142 (1)	ACT,AF,AS,U,UF	*										
BV162 (1)	ACT,AF,AS,U,UF									*		
BVZ800 (1)	ACT,AS,U					*						

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

Installation accessories

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450
AMP20	U	*	*	*	*	*	*	*	*	*	*	*	*
AMPZ	U	*	*	*	*	*	*	*	*	*	*	*	*

Model	Ver	500	501	502	550	700	701	702	750	900	901	950
AMP20	U	*	*	*	*	*	*	*	*	*	*	*
AMPZ	U	*	*	*	*	*	*	*	*	*	*	*

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450
DSCZ4 (1)	ACT,AS,U	*	*	*	*	*	*	*	*	*	*	*	*
	AF,UF	*			*	*			*	*			*

Model	Ver	500	501	502	550	700	701	702	750	900	901	950
DSCZ4 (1)	ACT,AS,U	*	*	*	*	*	*	*	*	*	*	*
	AF,UF	*			*					*		*

(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.

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450
BCZ4 (1)	ACT,AS,U	*	*	*	*	*	*	*	*	*	*	*	*
	AF,UF	*			*	*			*	*			*
BCZ5 (2)	ACT,AS,U	*	*	*	*	*	*	*	*	*	*	*	*
	AF,UF	*			*	*			*	*			*

Model	Ver	500	501	502	550	700	701	702	750	900	901	950
BCZ4 (1)	ACT,AS,U	*	*	*	*	*	*	*	*	*	*	*
	AF,UF	*			*					*		*
BCZ5 (2)	ACT,AS,U	*	*	*	*	*	*	*	*			
	AF,UF	*			*							
BCZ6 (2)	ACT,AS,U									*	*	*
	AF,UF									*		*

(1) For vertical installation.

(2) For horizontal installation.

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450
PCZ200	ACT,AS,U	.	.	.	.								
	AF,UF	.			.								
PCZ300	ACT,AS,U					.	.	.	.				
	AF,UF					.			.				
PCZ500	ACT,AS,U									.	.	.	.
	AF,UF									.			.
Model	Ver	500	501	502	550	700	701	702	750	900	901	950	
PCZ1000	ACT,AS,U									.	.	.	
	AF,UF									.		.	
PCZ500	ACT,AS,U	.	.	.	.								
	AF,UF	.			.								
PCZ800	ACT,AS,U					.	.	.	.				
Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450
GA200	AF,UF	.			.								
	AS,U	.	.	.	.								
GA300	AF,UF					.			.				
	AS,U					.	.	.	.				
GA500	AF,UF									.			.
	AS,U									.	.	.	.
Model	Ver	500	501	502	550	700	701	702	750	900	901	950	
GA500	AF,UF	.			.								
	AS,U	.	.	.	.								
GA800	AF,UF									.		.	
	AS,U					.	.	.	.	.	.	.	
Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450
FIKIT200	AF,UF	.			.								
	AS,U	.	.	.	.								
FIKIT300	AF,UF					.			.				
	AS,U					.	.	.	.				
FIKIT500	AF,UF									.			.
	AS,U									.	.	.	.
Model	Ver	500	501	502	550	700	701	702	750	900	901	950	
FIKIT500	AF,UF	.			.								
	AS,U	.	.	.	.								
FIKIT800	AF,UF									.		.	
	AS,U					.	.	.	.	.	.	.	
Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450
ZXZ	ACT,AS,U	.	.	.	.	.	.	.	.	.	.	.	.
	AF,UF	.			.	.			.	.			.
Model	Ver	500	501	502	550	700	701	702	750	900	901	950	
ZXZ	ACT,AS,U	.	.	.	.	.	.	.	.	.	.	.	
	AF,UF	.			.					.		.	

PERFORMANCE SPECIFICATIONS

Technical data - 2-pipe systems (main coil)

2-pipe

	FCZI200			FCZI250			FCZI300			FCZI350			FCZI400			FCZI450			FCZI500			FCZI550		
	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	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	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	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	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	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	6	12	18	8	15	22	8	12	18	9	14	21	10	16	24	6	11	16	12	21	28	10	20	26

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	2,68	3,69	4,25	2,91	4,13	4,79
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	1,94	2,73	3,18	2,07	2,98	3,49
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	460	634	731	501	711	824
Pressure drop system side	kPa	6	12	18	8	17	25	8	13	18	11	18	25	10	17	24	9	15	22	13	23	29	12	22	28

Fan

Type	type	Centrifugal																							
Fan motor	type	Inverter																							
Number	no.	1		1		2		2		2		2		2		2		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	400	600	720	400	600	720
Input power	W	5	8	14	5	8	14	5	7	13	5	7	13	5	10	18	5	10	18	7	18	34	7	18	38
Signal 0-10V	%	44	68	90	44	68	90	52	70	90	52	70	90	49	68	90	49	68	90	50	74	90	50	74	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	42,0	51,0	56,0	42,0	51,0	56,0
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	34,0	43,0	48,0	34,0	43,0	48,0

Diametre hydraulic yttings

Main coil	Ø	1/2"		1/2"		3/4"		3/4"		3/4"		3/4"		3/4"		3/4"		3/4"		3/4"		3/4"		3/4"	
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Power supply

Power supply	230V~50Hz																							
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	FCZI700			FCZI750			FCZI900			FCZI950		
	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	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	710	860	964	798	991	1096	945	1171	1328	982	1264	1500
Pressure drop system side	kPa	17	23	29	10	15	18	12	17	22	16	25	33

Heating performance 45 °C / 40 °C (2)

Heating capacity	kW	4,03	4,87	5,47	4,50	5,60	6,20	5,35	6,64	7,53	5,57	7,17	8,50
Water flow rate system side	l/h	699	846	950	786	975	1079	930	1152	1307	967	1245	1476
Pressure drop system side	kPa	17	24	29	10	15	18	12	17	22	15	24	33

Cooling performance 7 °C / 12 °C (3)

Cooling capacity	kW	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	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	675	841	946	734	918	1056	738	860	1189	992	1259	1479
Pressure drop system side	kPa	17	25	30	10	15	19	10	13	22	15	23	30

Fan

Type	type	Centrifugal											
Fan motor	type	Inverter											
Number	no.	3			3			3			3		
Air flow rate	m³/h	700	930	1140	700	930	1140	700	930	1140	700	930	1140
Input power	W	30	40	80	30	40	80	30	40	80	30	40	80
Signal 0-10V	%	56	72	90	56	72	90	56	72	90	56	72	90

Fan coil sound data (4)

Sound power level	dB(A)	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)	42,0	49,0	54,0	42,0	49,0	54,0	43,0	49,0	54,0	43,0	49,0	54,0

Diametre hydraulic yttings

Main coil	Ø	3/4"										
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Power supply

Power supply	230V~50Hz												
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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.

Technical data - 4-pipe systems (main coil + secondary coil)

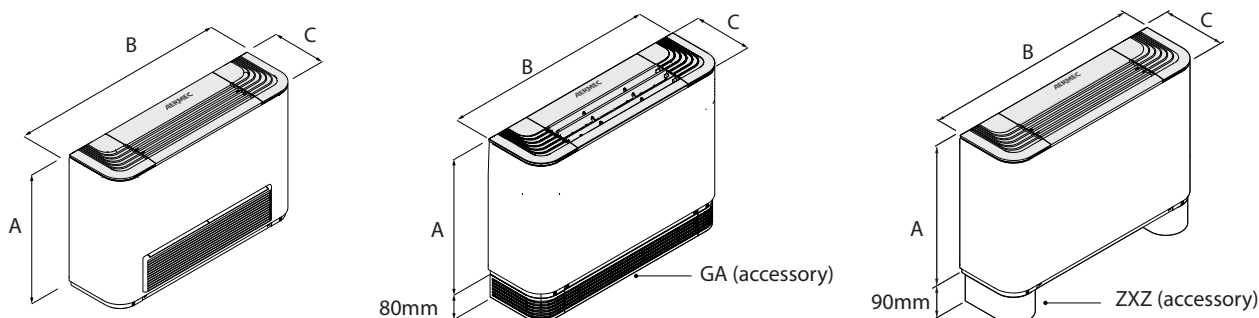
4-pipe

		FCZI201			FCZI301			FCZI401			FCZI501			FCZI701			FCZI901		
		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	5	8	11	17	23	31	5	7	9	6	9	11	11	15	19	9	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	289	374	456	379	503	619	461	635	731	675	841	946	738	860	1188
Pressure drop system side	kPa	7	13	18	8	13	18	14	24	34	13	23	29	17	25	30	10	15	10
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
Sound pressure level (10 m)	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
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
Diameter hydraulic fittings																			
Type	type	-																	
Main coil	Ø	1/2"			3/4"			3/4"			3/4"			3/4"			3/4"		
Fan																			
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
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

DIMENSIONS



2-pipe

			FCZI200			FCZI250			FCZI300			FCZI350			FCZI400			FCZI450			FCZI500			FCZI550			FCZI700			FCZI750			FCZI900			FCZI950		
			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	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	L	M	H	L	M	H
Dimensions and weights																																						
A	mm		486			486			486			486			486			486			486			486			486			486			591			591		
B	mm		750			750			980			980			1200			1200			1200			1200			1320			1320			1320			1320		
C	mm		220			220			220			220			220			220			220			220			220			220			220			220		
D	mm		576			576			576			576			576			576			576			576			576			576			681			681		
Empty weight	kg		15			16			17			18			22			24			22			24			29			31			34			34		

4-pipe

			FCZI201			FCZI301			FCZI401			FCZI501			FCZI701			FCZI901		
			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
Dimensions and weights																				
A	mm		486			486			486			486			486			591		
B	mm		750			980			1200			1200			1320			1320		
C	mm		220			220			220			220			220			220		
D	mm		576			576			576			576			576			681		
Empty weight	kg		15			17			23			23			30			34		

Aermec reserves the right to make any modifications deemed necessary.
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FCZ-D

Fan coil for universal and floor installation

Cooling capacity 0,89 ÷ 4,25 kW
Heating capacity 2,02 ÷ 8,50 kW



- Fully silent operation
- Backlit touch command with programming via a smart device
- Total comfort in every season



DESCRIPTION

The perception of uneven temperature distribution in various settings, especially in the vertical direction, is one of the main factors leading to a drastic reduction in the well-being perceived by occupants.

FCZ D are able to provide a pleasant sensation of comfort by directing the air in a way that ensures uniform temperature distribution throughout the setting.

In winter, hot air is direct downwards; in summer, cool air is directed upwards.

Air supply switching at the front or from the top by operating directly on the orientable grille.

They can be installed in any type of 2 / 4 pipe system and in combination with any heat generator even at low temperatures. Thanks to the availability of several versions and configurations, it is easy to choose the optimal solution for every requirement.

FEATURES

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

Case

Protective metal cabinet with anti-corrosion polyester RAL 9003 paint, whereas the head with the air distribution grille is in RAL 7044 plastic.

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 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.

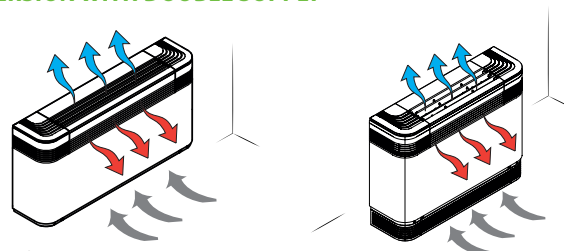
The hydraulic connections can be inverted during installation.

Condensate drip

Air filter

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

VERSION WITH DOUBLE SUPPLY



FCZ_D

— With on-board thermostat.

FCZ_DS

— Compatibility with VMF system.

— Without installed switch

ThermApp

In units DS version with a **T-Touch-I** electronic thermostat (accessory) and the **ThermApp** application, the operating mode can be set and the weekly timer programmed by simply resting the smart device on the fan coil. The graphic interface of the app also gives access to a lot more information such as the alarm list, the closest SAT, etc.

Available for Android operating systems.



GUIDE TO SELECTING THE POSSIBLE CONFIGURATIONS

Field	Description
1,2,3	FCZ
4	Size 2, 3, 4, 5
5	Main coil 0 Standard
6	Secondary coil 0 Without coil
7	Version D Dualjet with thermostat TXB on-board the system DS Dualjet without on-board thermostat

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.

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.

T-TOUCH: Touch control on board the machine, for controlling fan coils with asynchronous motors. In 2-pipe systems, it can control standard fan coils or those equipped with an electric heater, with air purifying devices or with FCZ-D twin delivery (Dualjet). In 4-pipe systems, only standard fan coils. The ThermApp application is also available for remote control with smart devices with the Android operating system.

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).

ACCESSORIES COMPATIBILITY

Control panels

Model	Ver	200	300	400	500
AER503IR (1)	DS	•	•	•	•
PRO503	DS	•	•	•	•
SA5 (2)	DS	•	•	•	•
SW3 (2)	DS	•	•	•	•
SW5 (2)	DS	•	•	•	•
T-TOUCH	DS	•	•	•	•
TX (1)	DS	•	•	•	•

(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.

Model	Ver	200	300	400	500
VMF-E0X (1)	DS	•	•	•	•
VMF-E19	DS	•	•	•	•

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-E2Z: User interface on the machine, to be combined with the VMF-E0X, VMF-E19 or VMF-E19I 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-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.

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.

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.

Installation accessories

PCZ: Sheet metal panel closing the rear of the unit.

GA: Lower intake grille for encapsulated fan coils. Can also be used in wall-mounted or floor installations, the FKIT accessory is needed only in the case of floor installation.

FIKIT: Metal supports for vertical installation of the GA grille.

DSCZ4: Condensate drainage device.

BCZ: Condensate drip.

Model	Ver	200	300	400	500
VMF-E2Z	DS	*	*	*	*
VMF-E3	DS	*	*	*	*
VMF-E4DX	DS	*	*	*	*
VMF-E4X	DS	*	*	*	*
VMF-IO	DS	*	*	*	*
VMF-IR	DS	*	*	*	*

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

Water valves

3 way valve kit

Model	Ver	200	300	400	500
VCZ41 (1)	D,DS	*			
VCZ4124 (2)	D,DS	*			
VCZ42 (1)	D,DS		*	*	*
VCZ4224 (2)	D,DS		*	*	*

(1) 230V~50Hz

(2) 24V

2 way valve kit

Model	Ver	200	300	400	500
VCZD1 (1)	DS	*			
VCZD124 (2)	DS	*			
VCZD2 (1)	DS		*	*	*
VCZD224 (2)	DS		*	*	*

(1) 230V~50Hz

(2) 24V

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

Model	Ver	200	300	400	500
VCZ1X4L (1)	D,DS	*			
VCZ1X4R (1)	D,DS	*			
VCZ2X4L (1)	D,DS		*	*	*
VCZ2X4R (1)	D,DS		*	*	*

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

Installation accessories

Condensate recirculation device

Model	Ver	200	300	400	500
DSC4 (1)	D,DS	*	*	*	*

(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.

Condensate drip

Model	Ver	200	300	400	500
BCZ4 (1)	D,DS	*	*	*	*

(1) For vertical installation.

Panel closing the rear of the unit

Model	Ver	200	300	400	500
PCZ200	D,DS	*			
PCZ300	D,DS		*		
PCZ500	D,DS			*	*

Ornamental grille

Model	Ver	200	300	400	500
GA200	D,DS	*			
GA300	D,DS		*		
GA500	D,DS			*	*

Supports to be combined with the ornamental grille (GA) for floor installation of the fan coil

Model	Ver	200	300	400	500
FIKIT200	D,DS	*			
FIKIT300	D,DS		*		
FIKIT500	D,DS			*	*

Pair of stylish structural feet

Model	Ver	200	300	400	500
ZXZ	D,DS	*	*	*	*

PERFORMANCE SPECIFICATIONS

2-pipe

		FCZ200D			FCZ300D			FCZ400D			FCZ500D		
		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	2,02	2,95	3,70	3,47	4,46	5,50	4,32	5,74	7,15	5,27	7,31	8,50
Water flow rate system side	l/h	177	258	324	304	391	482	379	503	627	462	641	745
Pressure drop system side	kPa	6	12	18	7	12	18	9	16	24	12	21	28
Heating performance 45 °C / 40 °C (2)													
Heating capacity	kW	1,00	1,46	1,84	1,72	2,21	2,73	2,14	2,85	3,55	2,62	3,63	4,22
Water flow rate system side	l/h	174	254	319	299	385	475	373	495	617	455	631	734
Pressure drop system side	kPa	6	12	18	8	12	18	10	16	24	12	21	28
Cooling performance 7 °C / 12 °C (3)													
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
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
Water flow rate system side	l/h	153	221	275	288	374	456	379	503	619	460	634	731
Pressure drop system side	kPa	7	13	18	8	13	18	10	17	24	13	23	29
Fan													
Type	type	Centrifugal											
Fan motor	type	Asynchronous											
Number	no.	1			2			2			2		
Air flow rate	m³/h	140	220	290	260	350	450	330	460	600	400	600	720
Input power	W	13	25	35	25	33	44	30	43	57	38	52	76
Electrical wiring		V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3
Fan coil sound data (4)													
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
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
Water coil													
Water content main coil	l	0,5			0,8			1,0			1,0		
Diameter hydraulic yttings													
Main coil	Ø	1/2"			3/4"			3/4"			3/4"		
Power supply													
Power supply		230V~50Hz											

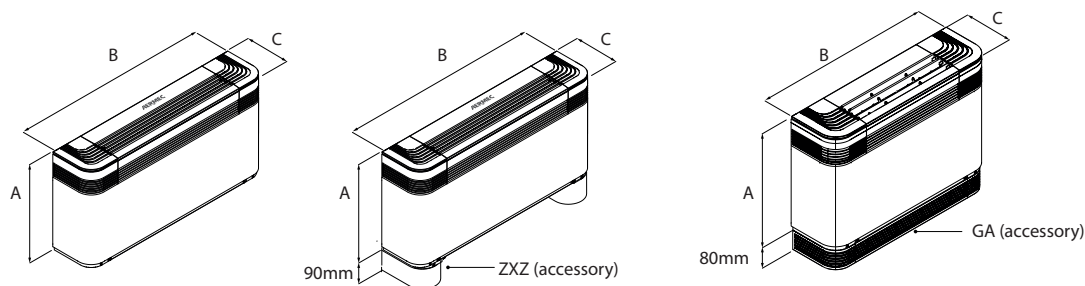
(1) Room air temperature 20 °C d.b.; Water (in/out) 70 °C/60 °C

(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

(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.

DIMENSIONS



		FCZ200D	FCZ300D	FCZ400D	FCZ500D
Dimensions and weights					
A	mm	486	486	486	486
B	mm	750	980	1200	1200
C	mm	220	220	220	220
Empty weight	kg	15	17	23	22

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FCZI-D

Fan coil for universal and floor installation

Cooling capacity 0,89 ÷ 4,25 kW
Heating capacity 2,02 ÷ 8,50 kW



- **Total comfort in every season**
- **Electric saving equal to 50% with respect to a fan coil with 3-speed motor**
- **Fully silent operation**
- **Backlit Touch command with programming via a smart device (DT version)**



DESCRIPTION

The perception of uneven temperature distribution in various settings, especially in the vertical direction, is one of the main factors leading to a drastic reduction in the well-being perceived by occupants.

FCZI D are able to provide a pleasant sensation of comfort by directing the air in a way that ensures uniform temperature distribution throughout the setting.

In winter, hot air is direct downwards; in summer, cool air is directed upwards.

Air supply switching at the front or from the top by operating directly on the orientable grille.

They can be installed in any type of 2 / 4 pipe system and in combination with any heat generator even at low temperatures. Thanks to the availability of several versions and configurations, it is easy to choose the optimal solution for every requirement.

FEATURES

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

Case

Protective metal cabinet with anti-corrosion polyester RAL 9003 paint, whereas the head with the air distribution grille is in RAL 7044 plastic.

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 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.

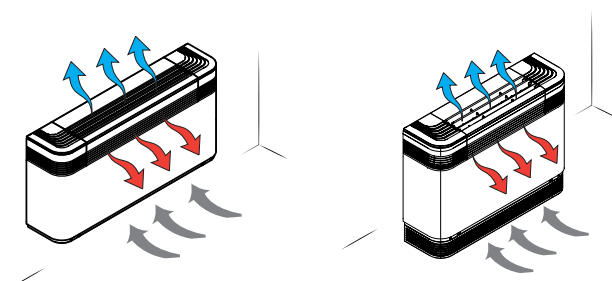
Condensate drip

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

Air filter

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

VERSION WITH DOUBLE SUPPLY



FCZI_D

— With on-board thermostat.

FCZI_DT

— With thermostat T-TOUCH-I on-board the system

ThermApp

In units DT version with a **T-Touch-I** electronic thermostat and the **ThermApp** application, the operating mode can be set and the weekly

timer programmed by simply resting the smart device on the fan coil. The graphic interface of the app also gives access to a lot more information such as the alarm list, the closest SAT, etc.

Available for Android operating systems.



GUIDE TO SELECTING THE POSSIBLE CONFIGURATIONS

Field	Description
1,2,3,4	FCZI
5	Size 2, 3, 4, 5
6	Main coil 0 Standard
7	Secondary coil 0 Without coil
8	Version D Dualjet with on-board thermostat DT Dualjet with T-Touch-I thermostat (1)

(1) Compatibility with VMF system

ACCESSORIES

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.

ACCESSORIES COMPATIBILITY

Water valves

3 way valve kit

Model	Ver	200	300	400	500
VCZ41 (1)	D,DT	*			
VCZ4124 (2)	D,DT	*			
VCZ42 (1)	D,DT		*	*	*
VCZ4224 (2)	D,DT		*	*	*

(1) 230V~50Hz

(2) 24V

2 way valve kit

Model	Ver	200	300	400	500
VCZD1 (1)	D,DT	*			
VCZD124 (2)	D,DT	*			
VCZD2 (1)	D,DT		*	*	*
VCZD224 (2)	D,DT		*	*	*

(1) 230V~50Hz

(2) 24V

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

Model	Ver	200	300	400	500
VCZ1X4L (1)	D,DT	*			
VCZ1X4R (1)	D,DT	*			
VCZ2X4L (1)	D,DT		*	*	*
VCZ2X4R (1)	D,DT		*	*	*

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

Installation accessories

Condensate recirculation device

Model	Ver	200	300	400	500
DSCZ4 (1)	D,DT	*	*	*	*

(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.

Condensate drip

Model	Ver	200	300	400	500
BCZ4 (1)	D,DT	*	*	*	*

(1) For vertical installation.

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.

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.

Installation accessories

PCZ: Sheet metal panel closing the rear of the unit.

GA: Lower intake grille for encapsulated fan coils. Can also be used in wall-mounted or floor installations, the FKIT accessory is needed only in the case of floor installation.

FIKIT: Metal supports for vertical installation of the GA grille.

DSCZ4: Condensate drainage device.

BCZ: Condensate drip.

ZXZ: Pair of stylish and structural feet

Panel closing the rear of the unit

Model	Ver	200	300	400	500
PCZ200	D,DT	*			
PCZ300	D,DT		*		
PCZ500	D,DT			*	*

Ornamental grille

Model	Ver	200	300	400	500
GA200	D,DT	*			
GA300	D,DT		*		
GA500	D,DT			*	*

Supports to be combined with the ornamental grille (GA) for floor installation of the fan coil

Model	Ver	200	300	400	500
FIKIT200	D,DT	*			
FIKIT300	D,DT		*		
FIKIT500	D,DT			*	*

Pair of stylish structural feet

Model	Ver	200	300	400	500
ZXZ	D,DT	*	*	*	*

PERFORMANCE SPECIFICATIONS**2-pipe**

	FCZI200D			FCZI300D			FCZI400D			FCZI500D		
	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	2,02	2,95	3,70	3,47	4,46	5,50	4,32	5,74	7,15	5,27	7,31	8,50
Water flow rate system side	l/h	177	258	324	304	391	482	379	503	627	462	641	745
Pressure drop system side	kPa	6	12	18	7	12	18	9	16	24	12	21	28

Heating performance 45 °C / 40 °C (2)

Heating capacity	kW	1,00	1,46	1,84	1,72	2,21	2,73	2,14	2,85	3,55	2,62	3,63	4,22
Water flow rate system side	l/h	174	254	319	299	385	475	373	495	617	455	631	734
Pressure drop system side	kPa	6	12	18	8	12	18	10	16	24	12	21	28

Cooling performance 7 °C / 12 °C (3)

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
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
Water flow rate system side	l/h	153	221	275	288	374	456	379	503	619	460	634	731
Pressure drop system side	kPa	7	13	18	8	13	18	10	17	24	13	23	29

Fan

Type	type	Centrifugal											
Fan motor	type	Inverter											
Number	no.	1			2			2			2		
Air flow rate	m³/h	140	220	290	260	350	450	330	460	600	400	600	720
Input power	W	5	8	14	5	7	13	5	10	18	8	18	34
Signal 0-10V	%	44	68	90	52	70	90	49	68	90	50	74	90

Fan coil sound data (4)

Sound power level	dB(A)	31,0	43,0	50,0	34,0	41,0	48,0	37,0	44,0	41,0	42,0	51,0	56,0
Sound pressure	dB(A)	23,0	35,0	42,0	26,0	33,0	40,0	29,0	36,0	53,0	34,0	43,0	48,0

Water coil

Water content main coil	l	0,5			0,8			1,0			1,0		
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Diameter hydraulic yittings

Main coil	Ø	1/2"			3/4"			3/4"			3/4"		
-----------	---	------	--	--	------	--	--	------	--	--	------	--	--

Power supply

Power supply	230V~50Hz												
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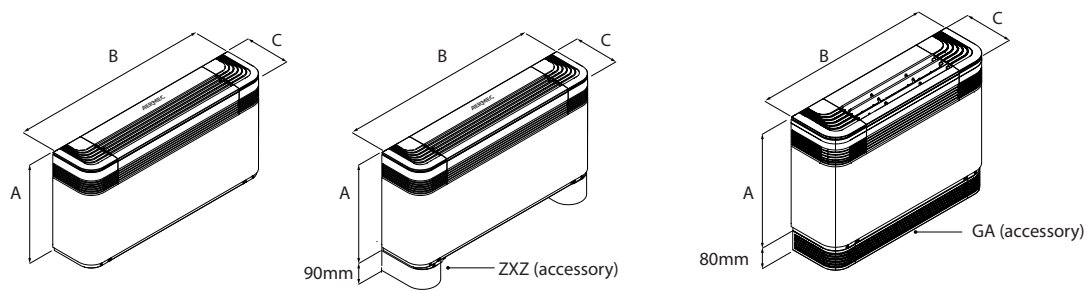
(1) Room air temperature 20 °C d.b.; Water (in/out) 70 °C/60 °C

(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.

DIMENSIONS



		FCZI200D	FCZI300D	FCZI400D	FCZI500D
Dimensions and weights					
A	mm	486	486	486	486
B	mm	750	980	1200	1200
C	mm	220	220	220	220
Empty weight	kq	15	17	23	22

Aermec reserves the right to make any modifications deemed necessary.
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responsibility or liability for errors or omissions.

Aermec S.p.A.
Via Roma, 996 - 37040 Bevilacqua (VR) - Italia
Tel. 0442633111 - Telefax 044293577
www.aermec.com

FCZ-H

Fan coil with the photocatalytic device, for universal and floor installation

- Photocatalytic device
- Very quiet
- Backlit touch command with programming via a smart device (accessory)
- Total comfort in every season



DESCRIPTION

Fan coil with built-in **photocatalytic device** for air conditioning in places requiring the maximum hygiene, such as:

- Hospitals
- Dentists' surgeries
- Doctors' and vets' surgeries
- Analysis laboratories
- Waiting rooms
- Public premises

They can be installed in any type of 2-pipe system (version for 4-pipe systems available upon request) and in combination with any heat generator, even at low temperatures. Thanks to the availability of several versions and configurations, it's easy to find the right solution for every need.

VERSIONS

- **H** Unit with shell without thermostat - vertical and horizontal installation.
- **HP** Unit without shell and without thermostat - vertical and horizontal installation. Can also be supplied in a configuration equipped with a boosted asynchronous motor (HPO).
- **HT** Unit with shell and thermostat - vertical installation.

FEATURES

Case

Metallic protective cabinet with rustproofing polyester paint RAL 9003. The head with adjustable air distribution grille is made of plastic RAL 7047. When the grille closes, the fan coil automatically switches off.

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 and asynchronous, mounted on anti-vibration supports, and has a permanently engaged condenser.

The scroll that protects the fan can be extracted and inspected, for easy and effective cleaning.

- *Apart from the traditional asynchronous motor, each unit can also be supplied with an inverter (brushless) motor. Refer to the relative FCZI - H datasheet*

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 coil is not reversible during installation but, when ordering, you can choose units with the coil water connections on the right (at no extra charge).*

Air filter

Air filter class **COARSE 25%** for all versions; easy to pull out and clean. Shrouds can be pulled out and inspected for easy and effective cleaning.

PHOTOCATALYTIC DEVICE AT THE HEART OF THE FAN COIL

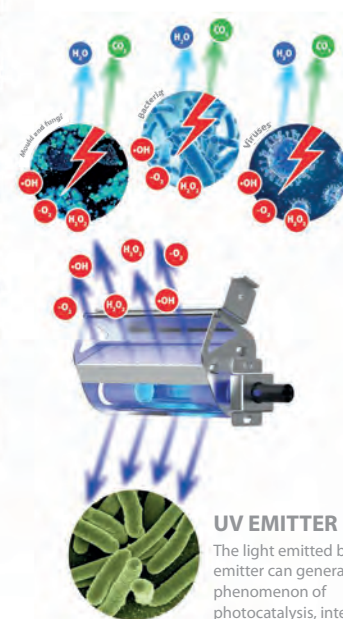


FILTER

The filter holds back dust, ash and "natural allergens" like pollen, spores, etc.

TITANIUM DIOXIDE CATALYS

Titanium dioxide (TiO_2) has a high degree of thermal and chemical stability, isn't toxic for humans and isn't expensive, but at the same time it's easily procurable, widely available, bio-compatible, and highly sensitive to UV light. The catalyst has a honeycomb form and increases the photocatalysis reaction surface, thereby maximising and guaranteeing system efficiency. The interaction of the catalyst with the UV light (photocatalysis) creates and releases highly reactive and oxidising species (H_2O_2 and $\text{OH}^\cdot$) that attack the polluting agents, breaking them down and eliminating them. The result is a powerful biocidal action with the decomposition of the VOC (Volatile Organic Compounds) and the release of harmless substances like CO_2 and H_2O .



UV EMITTER

The light emitted by the emitter can generate the phenomenon of photocatalysis, interacting with the titanium dioxide catalyser (TiO_2). The absorption level is 5,4W.

GUIDE TO SELECTING THE POSSIBLE CONFIGURATIONS

Configuration options FCZ - H

Field	Description
1,2,3	FCZ
4	Size 2, 3, 4, 5, 6, 9
5	Main coil
0	Standard
5	Oversized (1)
6	Secondary coil
0	Without coil
7	Version
H	Unit with shell without thermostat - vertical and horizontal mount
HP	Unit without shell and thermostat - vertical and horizontal mount
HPO	Unit without shell and thermostat with upgraded motor - vertical and horizontal mount
HPOR	Unit without shell and thermostat with upgraded motor - vertical and horizontal installation - water connections on the right
HPR	Unit without shell and thermostat - vertical and horizontal installation - water connections on the right
HR	Unit with shell without thermostat - vertical and horizontal installation - water connections on the right
HT	Unit with shell with thermostat - vertical mount
HTR	Unit with shell with thermostat - vertical mount - water connections on the right

(1) Only for sizes 9

ACCESSORIES

Control panels and dedicated accessories - FCZ-H

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.

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.

T-TOUCH: Touch control on board the machine, for controlling fan coils with asynchronous motors. In 2-pipe systems, it can control standard fan coils or those equipped with an electric heater, with air purifying devices or with FCZ-D twin delivery (Dualjet). In 4-pipe systems, only standard fan coils. The ThermApp application is also available for remote control with smart devices with the Android operating system.

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).

TXB: 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-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-E2Z: User interface on the machine, to be combined with the VMF-E0X, VMF-E19 or VMF-E19I 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-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-SIT3: Interface card that permits connecting the VMF-E19 thermostats to a fan coil with a high power motor.

VMF-SW: Water temperature probe.

Common accessories

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.

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.

VCFD: Motorized 2-way valve kit without insulating shell, can be installed on the main or secondary battery or a battery that is only warm. The kit is made up of a valve, actuator and relative hydraulic fittings. It can be installed on fan coils with connections on the right and on the left.

VCF41 - 42 - 43 - for main coil: 3-way motorised valve kit for the main 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.

VJP: Control and balancing combination valve for 2 and 4 pipe systems to install outside the unit.

AMP: Wall mounting kit

DSC: Condensate drainage device.

BCZ: Condensate drip.

PCZ: Sheet metal panel closing the rear of the unit.

GA: Lower intake grille for encapsulated fan coils. Can also be used in wall-mounted or floor installations, the FKIT accessory is needed only in the case of floor installation.

FIKIT: Metal supports for vertical installation of the GA grille.

ZXZ: Pair of stylish and structural feet

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.

ACCESSORIES COMPATIBILITY

Control panels and dedicated accessories - FCZ-H

Model	Ver	200	300	400	500	600	900	950
AER503IR (1)	H,HP	•	•	•	•	•	•	•
PRO503	H,HP	•	•	•	•	•	•	•
SA5 (2)	H,HP,HT	•	•	•	•	•	•	•
SIT3 (3)	H,HP,HT	•	•	•	•	•	•	•
SIT5 (4)	H,HP,HT	•	•	•	•	•	•	•
SW3 (2)	H,HP,HT	•	•	•	•	•	•	•
SW5 (2)	H,HP,HT	•	•	•	•	•	•	•
T-TOUCH	H	•	•	•	•	•	•	•
TX (1)	H,HP	•	•	•	•	•	•	•
TXB (5)	H	•	•	•	•	•	•	•

(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.

(5) Installation on the fan coil.

Model	Ver	200	300	400	500	600	900	950
VMF-EOX (1)	H,HP	*	*	*	*	*	*	*
VMF-E19	H,HP	*	*	*	*	*	*	*
VMF-E2Z	H	*	*	*	*	*	*	*
VMF-E3	H,HP	*	*	*	*	*	*	*
VMF-E4DX	H,HP	*	*	*	*	*	*	*
VMF-E4X	H,HP	*	*	*	*	*	*	*
VMF-IO	H,HP	*	*	*	*	*	*	*
VMF-IR	H,HP	*	*	*	*	*	*	*
VMF-LON	H,HP	*	*	*	*	*	*	*
VMF-SIT3 (2)	H,HP	*	*	*	*	*	*	*
VMF-SW	H,HP	*	*	*	*	*	*	*

(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.

Common accessories

3 way valve kit

Model	Ver	200	300	400	500	600	900	950
VCZ41 (1)	H,HP,HT	*						
VCZ4124 (2)	H,HP,HT	*						
VCZ42 (1)	H,HP,HT		*	*	*	*		
VCZ4224 (2)	H,HP,HT		*	*	*	*		
VCZ43 (1)	H,HP,HT						*	*
VCZ4324 (2)	H,HP,HT						*	*

(1) 230V~50Hz

(2) 24V

2 way valve kit

Model	Ver	200	300	400	500	600	900	950
VCZD1 (1)	H,HP,HT	*						
VCZD124 (2)	H,HP,HT	*						
VCZD2 (1)	H,HP,HT		*	*	*	*		
VCZD224 (2)	H,HP,HT		*	*	*	*		
VCZD3 (1)	H,HP,HT						*	*
VCZD324 (2)	H,HP,HT						*	*

(1) 230V~50Hz

(2) 24V

Combined Adjustment and Balancing Valve Kit

Model	Ver	200	300	400	500	600	900	950
VJP060 (1)	H,HP,HT	*	*					
VJP060M (2)	H,HP,HT	*	*					
VJP090 (1)	H,HP,HT			*	*	*		
VJP090M (2)	H,HP,HT			*	*	*		
VJP150 (1)	H,HP,HT						*	*
VJP150M (2)	H,HP,HT						*	*

(1) 230V~50Hz

(2) 24V

Wall mounting kit

Ver	200	300	400	500	600	900	950
HP	AMP20	AMP20	AMP20	AMP20	AMP20	AMP20	AMP20

Condensate drainage

Model	Ver	200	300	400	500	600	900	950
DSC4 (1)	HP	*	*	*	*	*	*	*

(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.

Condensate drip

Ver	200	300	400	500	600	900	950
HP	BCZ4 (1), BCZ5 (2)	BCZ4 (1), BCZ5 (2)	BCZ4 (1), BCZ5 (2)	BCZ4 (1), BCZ5 (2)	BCZ4 (1), BCZ5 (2)	BCZ6 (2)	BCZ6 (2)

(1) For vertical installation.

(2) For horizontal installation.

Ver	200	300	400	500	600	900	950
HP	BC8 (1)	BC8 (1)	BC8 (1)	BC8 (1)	BC8 (1)	BC9 (1)	BC9 (1)

(1) For horizontal installation.

Panel closing the rear of the unit

Ver	200	300	400	500	600	900	950
H,HP,HT	PCZ200	PCZ300	PCZ500	PCZ500	PCZ800	PCZ1000	PCZ1000

Grille also applicable for floor installation

Ver	200	300	400	500	600	900	950
H,HP,HT	GA200	GA300	GA500	GA500	GA800	GA800	GA800

Metal supports for GA grille

Ver	200	300	400	500	600	900	950
H,HP,HT	FIKIT200	FIKIT300	FIKIT500	FIKIT500	FIKIT800	FIKIT800	FIKIT800

Ventilcassaforma

Ver	200	300	400	500	600	900	950
HP	CHF22	CHF32	CHF42	CHF42	CHF62	CHF62	CHF62

Pair of stylish structural feet

Ver	200	300	400	500	600	900	950
H,HP,HT	ZXZ	ZXZ	ZXZ	ZXZ	ZXZ	ZXZ	ZXZ

PERFORMANCE SPECIFICATIONS

2-pipe

		FCZ200H			FCZ300H			FCZ400H			FCZ500H			FCZ600H			FCZ900H			FCZ950H		
		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
Heating performance 70 °C / 60 °C (1)																						
Heating capacity	kW	2,02	2,95	3,70	3,47	4,46	5,50	4,32	5,74	7,15	5,27	7,31	8,50	6,50	8,10	10,00	10,77	13,35	15,14	11,20	14,42	17,10
Water flow rate system side	l/h	177	258	324	304	391	482	379	503	627	462	641	745	570	710	877	945	1171	1328	982	1264	1500
Pressure drop system side	kPa	6	12	18	7	12	18	9	16	24	12	21	28	12	18	26	12	17	22	16	25	33
Heating performance 45 °C / 40 °C (2)																						
Heating capacity	kW	1,00	1,46	1,84	1,72	2,21	2,73	2,14	2,85	3,55	2,62	3,63	4,22	3,32	4,03	4,97	5,35	6,64	7,53	5,57	7,17	8,50
Water flow rate system side	l/h	174	254	319	299	385	475	373	495	617	455	631	734	561	699	863	930	1152	1307	967	1245	1476
Pressure drop system side	kPa	6	12	18	8	12	18	10	16	24	12	21	28	12	18	26	12	17	22	15	24	33
Cooling performance 7 °C / 12 °C (3)																						
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	3,22	3,90	4,65	4,29	5,00	6,91	5,77	7,32	8,60
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	2,56	3,17	3,92	2,97	3,78	5,68	3,80	4,87	5,78
Water flow rate system side	l/h	153	221	275	288	374	456	379	503	619	460	634	731	554	671	800	738	860	1189	992	1259	1479
Pressure drop system side	kPa	7	13	18	8	13	18	10	17	24	13	23	29	14	19	26	10	13	22	15	23	30
Fan																						
Type	type	Centrifugal																				
Fan motor	type	Asynchronous																				
Number	no.	1			2			2			2			3			3			3		
Air flow rate	m³/h	140	220	290	260	350	450	330	460	600	400	600	720	520	720	900	700	930	1140	700	930	1140
Input power	W	25	29	33	25	33	44	30	43	57	38	52	76	38	60	91	59	80	106	59	80	106
Electrical wiring		V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3
Diameter hydraulic fittings																						
Type	type	Gas - F																				
Main coil	Ø	1/2"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"		
Fan coil sound data (4)																						
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	42,0	51,0	57,0	51,0	57,0	62,0	51,0	57,0	61,0
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	34,0	43,0	49,0	43,0	49,0	54,0	43,0	49,0	53,0
Power supply																						
Power supply		230V~50Hz																				

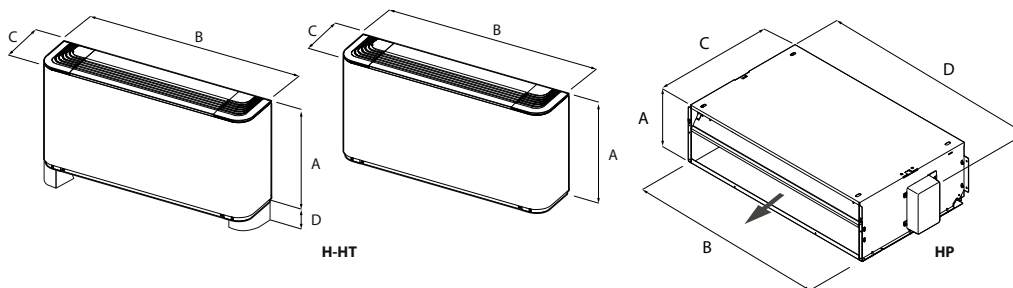
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(2) Room air temperature 20 °C d.b.; Water (in/out) 45 °C/40 °C; EUROVENT

(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.

DIMENSIONS



Size			200	300	400	500	600	900	950
Dimensions and weights									
A	H,HT	mm	486	486	486	486	486	591	591
	HP	mm	216	216	216	216	216	216	216
B	H,HT	mm	750	980	1200	1200	1320	1320	1320
	HP	mm	562	793	1013	1013	1147	1147	1147
C	H,HT	mm	220	220	220	220	220	220	220
	HP	mm	453	453	453	453	453	558	558
D	H,HT	mm	90	90	90	90	90	90	90
	HP	mm	522	753	973	973	1122	1122	1122
Empty weight	H,HT	kg	15	17	23	22	29	34	34
	HP	kg	12	14	20	23	29	32	32

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FCZI-H

Fan coil with the photocatalytic device, for universal and floor installation

- Photocatalytic device
- Very quiet
- Backlit touch-I command with programming via a smart device (accessory)
- Total comfort in every season



DESCRIPTION

Fan coil with built-in **photocatalytic device** for air conditioning in places requiring the maximum hygiene, such as:

- Hospitals
- Dentists' surgeries
- Doctors' and vets' surgeries
- Analysis laboratories
- Waiting rooms
- Public premises

They can be installed in any type of 2-pipe system (version for 4-pipe systems available upon request) and in combination with any heat generator, even at low temperatures. Thanks to the availability of several versions and configurations, it's easy to find the right solution for every need.

VERSIONS

- **H** Unit with shell without thermostat - vertical and horizontal installation.
- **HP** Unit without shell and without thermostat - vertical and horizontal installation.
- **HT** Unit with shell and thermostat - vertical installation.

FEATURES

Case

Metallic protective cabinet with rustproofing polyester paint RAL 9003. The head with adjustable air distribution grille is made of plastic RAL 7047. When the grille closes, the fan coil automatically switches off.

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

Continuous air flow rate variation is made possible by a 0-10V signal generated by Aermec adjustment and control commands or by independent regulation 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 scroll that protects the fan can be extracted and inspected, for easy and effective cleaning.

- *Apart from the brushless motor, each unit can also be supplied with a single-phase asynchronous motor. Refer to the relative FCZ - H datasheet*

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 coil is not reversible during installation but, when ordering, you can choose units with the coil water connections on the right (at no extra charge).*

Air filter

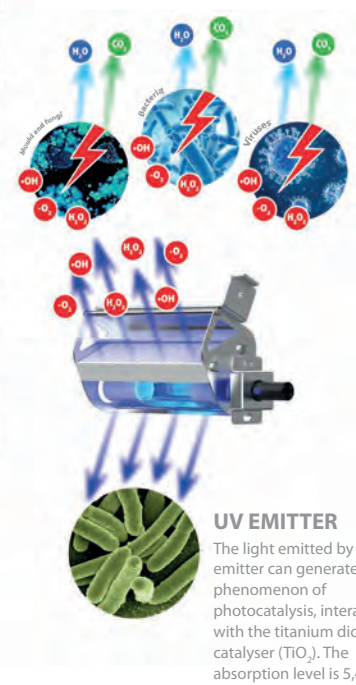
Air filter class **COARSE 25%** for all versions; easy to pull out and clean. Shrouds can be pulled out and inspected for easy and effective cleaning.

PHOTOCATALYTIC DEVICE AT THE HEART OF THE FAN COIL



FILTER
The filter holds back dust, ash and “natural allergens” like pollen, spores, etc.

TITANIUM DIOXIDE CATALYS
Titanium dioxide (TiO₂) has a high degree of thermal and chemical stability, isn't toxic for humans and isn't expensive, but at the same time it's easily procurable, widely available, bio-compatible, and highly sensitive to UV light. The catalyst has a honeycomb form and increases the photocatalysis reaction surface, thereby maximising and guaranteeing system efficiency. The interaction of the catalyst with the UV light (photocatalysis) creates and releases highly reactive and oxidising species (H₂O₂ and OH) that attack the polluting agents, breaking them down and eliminating them. The result is a powerful biocidal action with the decomposition of the VOC (Volatile Organic Compounds) and the release of harmless substances like CO₂ and H₂O.



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 (1)
7	Secondary coil
0	Without coil
8	Version
H	Unit with shell without thermostat - vertical and horizontal mount
HP	Unit without shell and thermostat - vertical and horizontal mount
HPR	Unit without shell and thermostat - vertical and horizontal installation - water connections on the right
HR	Unit with shell without thermostat - vertical and horizontal installation - water connections on the right
HT	Unit with shell with thermostat - vertical mount
HTR	Unit with shell with thermostat - vertical mount - water connections on the right

(1) Only for sizes 9

ACCESSORIES

Control panels and dedicated accessories - FCZI-H

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.

T-TOUCH-I: Touch control on board the machine, for controlling fan coils with brushless motors. In 2-pipe systems, it can control standard fan coils or those equipped with an electric heater, with air purifying devices or with FCZI-D twin delivery (Dualjet). In 4-pipe systems, only standard fan coils. The ThermApp application is also available for remote control with smart devices with the Android operating system.

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).

TXBI: Thermostat on board the machine, for FCZI fan coils with brushless motor, complete with water probe and air probe to be positioned in the relative housings. 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), radiant plate or FCZI-D twin delivery (Dualjet).

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-E2Z: User interface on the machine, to be combined with the VMF-E0X, VMF-E19 or VMF-E19I 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-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-SW1: Extra water probe to be used for 4-pipe systems.

Common accessories

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.

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.

AMP: Wall mounting kit

DSC: Condensate drainage device.

BCZ: Condensate drip.

PCZ: Sheet metal panel closing the rear of the unit.

GA: Lower intake grille for encapsulated fan coils. Can also be used in wall-mounted or floor installations, the FKIT accessory is needed only in the case of floor installation.

FIKIT: Metal supports for vertical installation of the GA grille.

ZXZ: Pair of stylish and structural feet

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.

ACCESSORIES COMPATIBILITY

Control panels and dedicated accessories

Model	Ver	200	300	400	500	700	900	950
AER503IR (1)	H,HP	*	*	*	*	*	*	*
PRO503	H,HP	*	*	*	*	*	*	*
SA5 (2)	H,HP,HT	*	*	*	*	*	*	*
SW5 (2)	H,HP,HT	*	*	*	*	*	*	*
T-TOUCH-I	H	*	*	*	*	*	*	*
TX (1)	H,HP	*	*	*	*	*	*	*
TXBI (3)	H	*	*	*	*	*	*	*

(1) Wall-mount installation.

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

(3) Installation on the fan coil.

Model	Ver	200	300	400	500	700	900	950
VMF-E19I	H,HP	*	*	*	*	*	*	*
VMF-E2Z	H	*	*	*	*	*	*	*
VMF-E3	H,HP	*	*	*	*	*	*	*
VMF-E4DX	H,HP	*	*	*	*	*	*	*
VMF-E4X	H,HP	*	*	*	*	*	*	*
VMF-IO	H	*	*	*	*	*	*	*
VMF-IR	H,HP	*	*	*	*	*	*	*
VMF-LON	H	*	*	*	*	*	*	*
VMF-SW1	HP	*	*	*	*	*	*	*

Common accessories

3 way valve kit

Model	Ver	200	300	400	500	700	900	950
VCZ41 (1)	H,HP,HT	*						
VCZ4124 (2)	H,HP,HT	*						
VCZ42 (1)	H,HP,HT		*	*	*	*		

Model	Ver	200	300	400	500	700	900	950
VCZ4224 (2)	H,HP,HT		*	*	*	*		
VCZ43 (1)	H,HP,HT						*	*
VCZ4324 (2)	H,HP,HT						*	*

(1) 230V~50Hz

(2) 24V

2 way valve kit

Model	Ver	200	300	400	500	700	900	950
VCZD1 (1)	H,HP,HT	*						
VCZD124 (2)	H,HP,HT	*						
VCZD2 (1)	H,HP,HT		*	*	*	*		
VCZD224 (2)	H,HP,HT		*	*	*	*		
VCZD3 (1)	H,HP,HT						*	*
VCZD324 (2)	H,HP,HT						*	*

(1) 230V~50Hz

(2) 24V

Combined Adjustment and Balancing Valve Kit

Model	Ver	200	300	400	500	700	900	950
VJP060 (1)	H,HP,HT	*	*					
VJP060M (2)	H,HP,HT	*	*					
VJP090 (1)	H,HP,HT			*	*			
VJP090M (2)	H,HP,HT			*	*			
VJP150 (1)	H,HP,HT					*	*	*
VJP150M (2)	H,HP,HT					*	*	*

(1) 230V~50Hz

(2) 24V

Wall mounting kit

Ver	200	300	400	500	700	900	950
HP	AMP20	AMP20	AMP20	AMP20	AMP20	AMP20	AMP20

Condensate drainage

Model	Ver	200	300	400	500	700	900	950
DSC4 (1)	HP	*	*	*	*	*	*	*

(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.

Condensate drip

Ver	200	300	400	500	700	900	950
HP	BCZ4 (1)	BCZ4 (1)	BCZ4 (1)	BCZ4 (1)	BCZ4 (1)	BCZ4 (1)	BCZ4 (1)

(1) For vertical installation.

Ver	200	300	400	500	700	900	950
HP	BC8 (1)	BC8 (1)	BC8 (1)	BC8 (1)	BC8 (1)	BC9 (1)	BC9 (1)

(1) For horizontal installation.

Panel closing the rear of the unit

Ver	200	300	400	500	700	900	950
H,HP,HT	PCZ200	PCZ300	PCZ500	PCZ500	PCZ800	PCZ1000	PCZ1000

Grille also applicable for floor installation

Ver	200	300	400	500	700	900	950
H,HP,HT	GA200	GA300	GA500	GA500	GA800	GA800	GA800

Metal supports for GA grille

Ver	200	300	400	500	700	900	950
H,HP,HT	FIKIT200	FIKIT300	FIKIT500	FIKIT500	FIKIT800	FIKIT800	FIKIT800

Ventilcassaforma

Ver	200	300	400	500	700	900	950
HP	CHF22	CHF32	CHF42	CHF42	CHF62	CHF62	CHF62

Pair of stylish structural feet

Ver	200	300	400	500	700	900	950
H,HP,HT	ZXZ	ZXZ	ZXZ	ZXZ	ZXZ	ZXZ	ZXZ

PERFORMANCE SPECIFICATIONS

2-pipe

	FCZI200H			FCZI300H			FCZI400H			FCZI500H			FCZI700H			FCZI900H			FCZI950H		
	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

Heating performance 70 °C / 60 °C (1)

Heating capacity	kW	2,02	2,95	3,70	3,47	4,46	5,50	4,32	5,74	7,15	5,27	7,31	8,50	6,50	8,10	10,00	10,77	13,35	15,14	11,20	14,42	17,10
Water flow rate system side	l/h	177	258	324	304	391	482	379	503	627	462	641	745	570	710	877	945	1171	1328	982	1264	1500
Pressure drop system side	kPa	6	12	18	7	12	18	9	16	24	12	21	28	12	18	26	12	17	22	16	25	33

Heating performance 45 °C / 40 °C (2)

Heating capacity	kW	1,00	1,46	1,84	1,72	2,21	2,73	2,14	2,85	3,55	2,62	3,63	4,22	3,32	4,03	4,97	5,35	6,64	7,53	5,57	7,17	8,50
Water flow rate system side	l/h	174	254	319	299	385	475	373	495	617	455	631	734	561	699	863	930	1152	1307	967	1245	1476
Pressure drop system side	kPa	6	12	18	8	12	18	10	16	24	12	21	28	12	18	26	12	17	22	15	24	33

Cooling performance 7 °C / 12 °C (3)

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	3,22	3,90	4,65	4,29	5,00	6,91	5,77	7,32	8,60
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	2,56	3,17	3,92	2,97	3,78	5,68	3,80	4,87	5,78
Water flow rate system side	l/h	153	221	275	288	374	456	379	503	619	460	634	731	554	671	800	738	860	1189	992	1259	1479
Pressure drop system side	kPa	7	13	18	8	13	18	10	17	24	13	23	29	14	19	26	10	13	22	15	23	30

Fan

Type	type	Centrifugal																				
Fan motor	type	Inverter																				
Number	no.	1			2			2			2			3			3			3		
Air flow rate	m³/h	140	220	290	260	350	450	330	460	600	400	600	720	520	720	900	700	930	1140	700	930	1140
Input power	W	7	8	14	5	7	13	5	10	18	7	10	19	30	40	80	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	56	72	90

Diameter hydraulic fittings

Gas - F									
Type	type								
Main coil	Ø	1/2"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"

Fan coil sound data (4)

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	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	43,0	49,0	54,0

Power supply

Power supply	230V~50Hz																			
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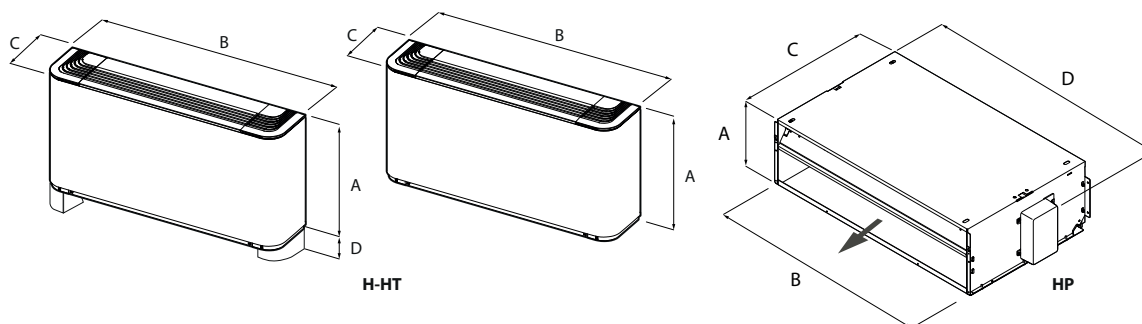
(1) Room air temperature 20 °C d.b.; Water (in/out) 70 °C/60 °C

(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.

DIMENSIONS



Size			200	300	400	500	700	900	950
Dimensions and weights									
A	H,HT	mm	486	486	486	486	486	591	591
	HP	mm	216	216	216	216	216	216	216
B	H,HT	mm	750	980	1200	1200	1320	1320	1320
	HP	mm	522	753	973	973	1122	1122	1122
C	H,HT	mm	220	220	220	220	220	220	220
	HP	mm	453	453	453	453	453	558	558
D	H,HT	mm	90	90	90	90	90	90	90
	HP	mm	562	793	1013	1013	1147	1147	1147
Empty weight	H,HT	kg	15	17	22	22	29	34	34
	HP	kg	12	14	20	23	26	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.

Aermec S.p.A.

Via Roma, 996 - 37040 Bevilacqua (VR) - Italia

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www.aermec.com

Omnia HL

Fan coil for universal and floor installation



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



DESCRIPTION

Fan coils for heating, cooling, and dehumidification.

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

- HL** Metallic white cabinet with switch
- L** White cabinet with self-closing louver and electronic thermostat
- LM** Grey cabinet with self-closing louver and electronic thermostat
- M** Metallic grey cabinet with switch
- N** White cabinet with electronic thermostat VMF
- NM** Grey cabinet with electronic thermostat VMF
- PC** White cabinet with electronic thermostat and Cold Plasma purifier
- PCM** Grey cabinet with electronic thermostat and Cold Plasma purifier
- S** Metallic with the cabinet without control board
- SM** Metallic grey cabinet without control board

FEATURES

Case

Top design metal protection cabinet with rounded design and painted with anti-corrosion polyester powders:

Color White

- Cover RAL 9002
- Top and supports RAL 7044.

Color Grey

- Cover FIAT 656
- Top and supports RAL 7031.

The air distribution grid is adjustable. The fan coil switches off automatically when the grid is closed.

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 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.

The scroll that protects the fan can be extracted and inspected, for easy and effective 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

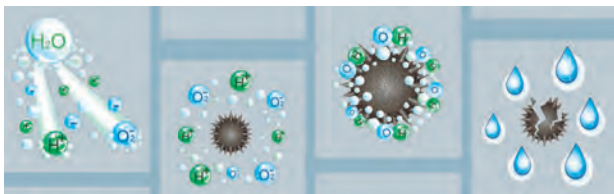
Provided standard in plastic and fixed to the interior structure; with external condensate discharge.

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.

In the PC and PCM versions, air purification is guaranteed by the Cold Plasma air 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.



ACCESSORIES

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.

FMT10: Electronic thermostat for fan coil in to 2/4 pipe systems.

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

PX2: Commutator switch.

PX2C6: Commutator switch. Kit to 6 pz.

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.

SWA: External probe accessory SWA (length L = 6m). It detects the temperature of the room air if connected to the connector (A) of the FMT21 panel. The room air temperature probe, incorporated in the panel, is automatically disabled. It detects the temperature of the water in the system for ventilation consent if connected to the connector (W) of the FMT21 panel. Two SWA probes can be connected simultaneously to the FMT21 panel.

TPF: Electronic thermostat, black, with thermostated or continuous ventilation.

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

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

VMF-E2H: 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-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-SIT3: Interface card that permits connecting the VMF-E19 thermostats to a fan coil with a high power motor.

AMP: Wall mounting kit

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.

PCH: Panel closing the rear of the unit white

ZH1: White skirting for floor mounting.

ZH1B: White feet for floor mounting with skirting board.

ZH1M: Grey feet for floor mounting.

ZH1MB: Grey feet for floor mounting with skirting board.

■ *Compatibility with VMF system: for more information about the system, refer to the dedicated documentation.*

ACCESSORIES COMPATIBILITY

Model	Ver	11	16	26	36
AER503IR (1)	S,SM	•	•	•	•
FMT10	S,SM	•	•	•	•
PRO503	S,SM	•	•	•	•
PX2	S,SM	•	•	•	•
PX2C6 (2)	S,SM	•	•	•	•
SA5 (3)	S,SM	•	•	•	•
SIT3 (4)	S,SM	•	•	•	•
SIT5 (5)	S,SM	•	•	•	•
SW3 (3)	S,SM	•	•	•	•
SW5 (3)	S,SM	•	•	•	•
SWA	S,SM	•	•	•	•
TPF	S,SM	•	•	•	•
TPFW	S,SM	•	•	•	•
TX (1)	S,SM	•	•	•	•
WMT05	S,SM	•	•	•	•
WMT10	S,SM	•	•	•	•

(1) Wall-mount installation.

(2) Only wall-mount installation

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

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

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

VMF system

Model	Ver	11	16	26	36
VMF-E19	S,SM	•	•	•	•
VMF-E2H	S,SM	•	•	•	•
VMF-E3	S,SM	•	•	•	•
VMF-E4DX	S,SM	•	•	•	•
VMF-E4X	S,SM	•	•	•	•
VMF-I0	S,SM	•	•	•	•
VMF-IR	S,SM	•	•	•	•
VMF-LON	S,SM	•	•	•	•
VMF-SIT3 (1)	S,SM	•	•	•	•

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

Condensate drip

Ver	11	16	26	36
HL,L,LM,M,N,NM,PC,PCM,S,SM	BC10 (1)	BC10 (1)	BC10 (1)	BC10 (1)

(1) For vertical installation.

Condensate drainage

Accessory	HL11
DSC5 (1)	•

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

Wall mounting kit

Accessory	HL11	HL16	HL26	HL36
AMP10	•	•	•	•

3 way valve kit

Accessory	HL11	HL16	HL26	HL36
VCH	•	•	•	•

2 way valve kit

Accessory	HL11	HL16	HL26	HL36
VCHD	•	•	•	•

Pair of stylish structural feet

Model	Ver	11	16	26	36
ZH1	HL,L,N,PC,S	•	•	•	•
Model	Ver	11	16	26	36
ZH1B	HL,L,N,PC,S	•	•	•	•
Model	Ver	11	16	26	36
ZH1M	LM,M,NM,PCM,SM	•	•	•	•
Model	Ver	11	16	26	36
ZH1MB	LM,M,NM,PCM,SM	•	•	•	•

PERFORMANCE SPECIFICATIONS

2-pipe

Pipe		HL11			HL16			HL26			HL36		
		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	3,53	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	0,73	1,05	1,90	1,44	1,90	2,29	1,75	2,42	2,95
Water flow rate system side	l/h	92	126	174	126	183	331	249	331	399	305	420	513
Pressure drop system side	kPa	1	1	2	1	3	8	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	On-Off											
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
Fan coil sound data (4)													
Sound power level	dB(A)	31,0	37,0	46,0	34,0	43,0	48,0	35,0	43,0	48,0	34,0	43,0	50,0
Sound pressure	dB(A)	23,0	29,0	38,0	26,0	35,0	40,0	27,0	35,0	40,0	26,0	33,0	40,0
Diametre hydraulic yttings													
Main coil	Ø	1/2"											
Power supply													
Power supply		230V~50Hz											

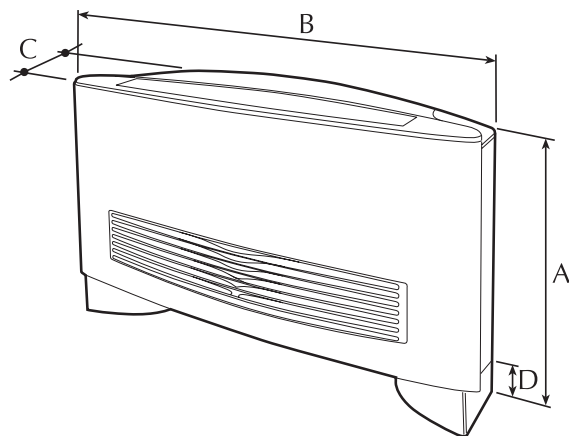
(1) Room air temperature 20 °C d.b.; Water (in/out) 70 °C/60 °C

(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

(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.

DIMENSIONS



Size		11	16	26	36
Dimensions and weights					
A	mm	600	605	615	623
B	mm	640	750	980	1200
C	mm	187	189	191	198
D	mm	93	93	93	93
Empty weight	kg	14	15	18	21

Aermec reserves the right to make any modifications deemed necessary.

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Aermec S.p.A.

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Omnia ULS

Vertical wall-mounting or free-standing installation



- **Compact dimensions, thickness 129 mm**
- **Low operating temperature**
- **Cooling, heating, and dehumidification**



DESCRIPTION

The Omnia Slim fan coils have been designed to meet the need to combine the typical features of a classic radiator - namely reduced depth and quiet operation - with the ability of a fan coil to air-condition rooms throughout the year.

They can be installed on any system with a 2-pipe system and it fits 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.

VERSIONS

ULS Standard without control board

ULS_C With on-board thermostat

FEATURES

Case

Structure in sheet metal, 12/10 and 8/10 mm.

Front cover in 8/10 mm galvanised sheet metal with RAL9003 white epoxy powder coating and thermal-acoustic insulation of 13 mm thickness.

Ventilation group

These fan coils have extremely silent ventilation by using special tangential fans, which guarantees maximum acoustic comfort.

The electric motor is a 3-speed single-phase motor with a permanently inserted condenser.

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 coil has hydraulic connections on the left and is not reversible.*

Control

With thermostatic adjustment and manual or no-adjustment switching, for combination with any wall panel or with the AERMEC VMF system.

ACCESSORIES

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.

SW3: Water temperature probe (L = 2.5 m).

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

T-TOUCH-S: Touch control installation on-board the fan coil. The Ther-mApp application is also available for remote control with smart devices with the Android operating system.

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).

TXBS: Thermostat installation on the fan coil.

KITSV: Kit for installing the VMF-E0X or VMF-E19.

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-E2S: User interface on the fan coil, with two selectors - one for temperature and the other for speed control. For operation, the installation of either the VMF-E0X or the VMF-E19 accessory is required.

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.

BCSV: Condensate collection tray, for valve kit.

DSC7: Condensate drainage device.

VCS2: 2-way motorised valve kit without insulating shell. The kit is made up of a valve, actuator and relative hydraulic fittings.

VCS3: 3-way motorised valve kit without insulating shell for the main coil. The kit is made up of a valve with its insulating shell, actuator and relative hydraulic fittings.

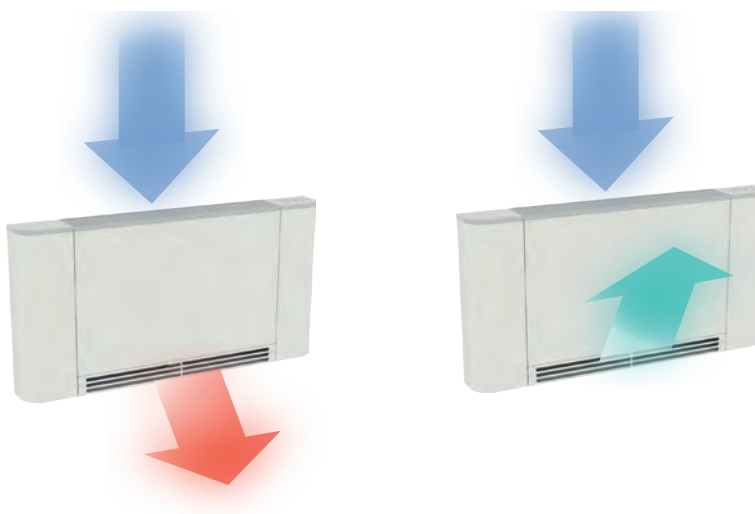
ZXS: Pair of stylish and structural feet.

MAIN FEATURES



- 1 Air/water exchange coils with aluminium fins and copper piping, arranged across 2 rows.
- 2 Front cover in 8/10 mm galvanised sheet metal with RAL9003 white epoxy powder coating and thermal-acoustic insulation of 13 mm thickness.
- 3 Plastic recovery grille with air filter.
- 4 Tangential fan driven by a 3-speed motor.
- 5 Aluminium recovery grille and sheet metal delivery grille, with a special design conceived to create a homogeneous flow of air, both in summer and winter operation.

Flow rates



ACCESSORIES COMPATIBILITY

Model	Ver	10	20	30	40	50
AER503IR (1)	ULS	*	*	*	*	*
PRO503	ULS	*	*	*	*	*
SA5 (2)	ULS	*	*	*	*	*
SW3 (2)	ULS	*	*	*	*	*
SW5 (2)	ULS	*	*	*	*	*
T-TOUCH-S (3)	ULS	*	*	*	*	*
TX (1)	ULS	*	*	*	*	*
TXBS (3)	ULS	*	*	*	*	*

- (1) Wall-mount installation.
(2) Probe for AER503IR-TX thermostats, if fitted.
(3) Installation on the fan coil.

VMF system

Model	Ver	10	20	30	40	50
KITSV (1)	ULS	*	*	*	*	*
VMF-E19	ULS	*	*	*	*	*
VMF-E2S (2)	ULS	*	*	*	*	*
VMF-E3	ULS	*	*	*	*	*
VMF-E4DX	ULS	*	*	*	*	*
VMF-E4X	ULS	*	*	*	*	*
VMF-IR	ULS	*	*	*	*	*

- (1) Mandatory when the VMF-E19 or VMF-E0X thermostat is required.
(2) Installation on the fan coil.

3 way valve kit

Model	Ver	10	20	30	40	50
VCS3 (1)	ULS,ULS_C	*	*	*	*	*

- (1) Power supply 230V - Hydraulic connections Ø 1/2"

2 way valve kit

Model	Ver	10	20	30	40	50
VCS2 (1)	ULS,ULS_C	*	*	*	*	*

- (1) Power supply 230V - Hydraulic connections Ø 1/2"

Condensate drip

Model	Ver	10	20	30	40	50
BCSV	ULS,ULS_C	*	*	*	*	*

Condensate drainage

Model	Ver	10	20	30	40	50
DSC7	ULS,ULS_C	*	*	*	*	*

Pair of stylish structural feet

Model	Ver	10	20	30	40	50
ZXS	ULS,ULS_C	*	*	*	*	*

PERFORMANCE SPECIFICATIONS

2-pipe

		ULS10			ULS20			ULS30			ULS40			ULS50		
		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 70 °C / 60 °C (1)																
Heating capacity	kW	0,61	1,16	1,64	1,14	2,18	3,08	1,48	2,84	4,00	1,89	3,64	5,13	2,27	4,37	6,15
Water flow rate system side	l/h	53	102	144	99	191	269	129	248	350	166	318	448	199	382	538
Pressure drop system side	kPa	1	4	7	4	11	21	3	8	15	4	13	25	3	9	16
Heating performance 45 °C / 40 °C (2)																
Heating capacity	kW	0,30	0,58	0,82	0,56	1,09	1,53	0,73	1,41	1,99	0,94	1,81	2,55	1,13	2,17	3,06
Water flow rate system side	l/h	52	101	142	98	189	266	128	245	346	164	315	443	196	378	532
Pressure drop system side	kPa	1	4	7	4	12	22	3	9	16	4	14	26	3	9	17
Cooling performance 7 °C / 12 °C (3)																
Cooling capacity	kW	0,30	0,57	0,80	0,55	1,07	1,50	0,72	1,38	1,95	0,92	1,78	2,50	1,11	2,13	3,00
Sensible cooling capacity	kW	0,22	0,43	0,62	0,42	0,81	1,17	0,54	1,05	1,52	0,69	1,35	1,95	0,83	1,62	2,34
Water flow rate system side	l/h	51	97	137	95	183	257	124	238	335	158	305	429	190	366	515
Pressure drop system side	kPa	1	4	8	4	13	25	3	10	18	5	16	29	3	10	19
Fan																
Type	type	Tangential														
Fan motor	type	Asynchronous														
Number	no.	1			1			1			2			2		
Air flow rate	m³/h	47	86	115	87	158	210	111	203	270	144	263	350	161	293	390
Input power	W	9	16	21	15	21	32	17	32	42	22	40	53	18	26	56
Electrical wiring		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	49,0	52,0	42,0	49,0	52,0	43,0	50,0	53,0	44,0	51,0	54,0	45,0	52,0	55,0
Water coil																
Water content main coil	l	0,5			0,9			1,2			1,8			1,5		
Diameter hydraulic fittings																
Main coil	Ø	1/2"														
Power supply																
Power supply		230V~50Hz														

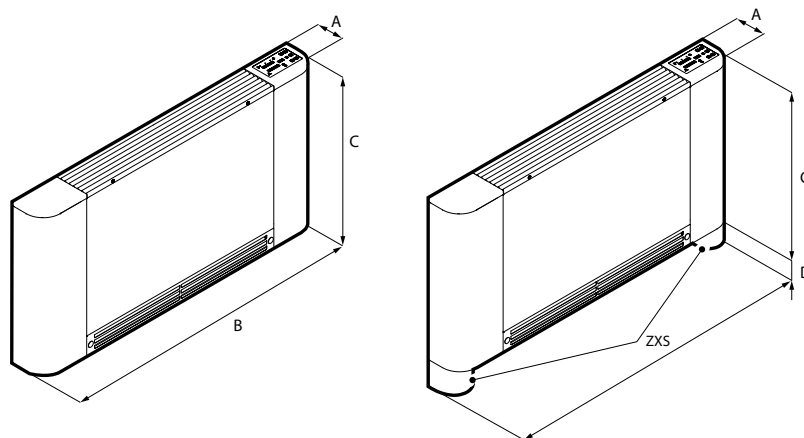
(1) Room air temperature 20 °C d.b.; Water (in/out) 70 °C/60 °C

(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

(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.

DIMENSIONS



Size			10	20	30	40	50
Dimensions and weights							
A	ULS,ULS_C	mm	130	130	130	130	130
B	ULS,ULS_C	mm	745	940	1134	1328	1524
C	ULS,ULS_C	mm	580	580	580	580	580
D	ULS,ULS_C	mm	80	80	80	80	80
Empty weight	ULS,ULS_C	kg	11	13	15	17	19

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Omnia UL

Universal and floor installation



- Fully silent functioning
- Ideal for residential or office solutions



DESCRIPTION

Fan coils with inverter technology for heating, cooling, and dehumidifying. Equipped with a state of the art ventilation unit with continuous modulation of the air flow rate, which allows for precise adaptation of the actual indoor ambient requirements without temperature oscillations, for increased comfort, also in terms of noise, and electrical savings.

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

C Vertical installation, intake at base, electronic thermostat

PC Vertical installation, intake at base, electronic thermostat, Cold Plasma purifier

S Vertical and horizontal installation, intake at base, without commands

UL Standard - Vertical installation, bottom intake, manual switch-over

FEATURES

Case

Protective metal cabinet with anti-corrosion polyester RAL 9002 paint, whereas the head with the air distribution grille is in RAL 7047 plastic.

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. 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

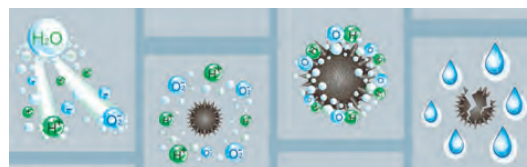
Provided standard in plastic and fixed to the interior structure; with external condensate discharge.

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.

APC versions equipped with Coldplasma Air 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.



ACCESSORIES

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.

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.

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

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.

AMP: Wall mounting kit

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.

GU: Intake grid covers the front space between the ornamental feet and does not interfere with the filter.

PCU: Sheet metal panel closing the rear of the unit.

ZU: Pair of stylish and structural feet.

ACCESSORIES COMPATIBILITY

Model	Ver	11	16	26	36
AER503IR (1)	S	•	•	•	•
PRO503	S	•	•	•	•
SA5 (2)	S	•	•	•	•
SW3 (2)	C,PC	•	•	•	•
SW5 (2)	S	•	•	•	•
TX (1)	S	•	•	•	•
WMT05	S	•	•	•	•
WMT10	S	•	•	•	•

(1) Wall-mount installation.

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

VMF system

Model	Ver	11	16	26	36
VMF-E0X (1)	S	•	•	•	•
VMF-E2D	S	•	•	•	•
VMF-E3	S	•	•	•	•
VMF-E4DX	S	•	•	•	•
VMF-E4X	S	•	•	•	•
VMF-IR	S	•	•	•	•

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

Condensate drip

Model	Ver	11	16	26	36
BC10 (1)	C,PC,S,UL	•	•	•	•
BC20 (2)	C,PC,S,UL	•	•	•	•

(1) For vertical installation.

(2) For horizontal installation.

Condensate drainage

Model	Ver	11	16	26	36
DSC5 (1)	C,PC,S,UL	•	•	•	•

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

3 way valve kit

Model	Ver	11	16	26	36
VCH	C,PC,S,UL	•	•	•	•

2 way valve kit

Model	Ver	11	16	26	36
VCHD	C,PC,S,UL	•	•	•	•

Wall mounting kit

Model	Ver	11	16	26	36
AMP10	C,PC	•	•	•	•

Panel closing the rear of the unit

Ver	11	16	26	36
C,PC,S,UL	PCU10	PCU15	PCU25	PCU35

Intake grids

Ver	11	16	26	36
C,PC,S,UL	GU10 (1)	GU15 (1)	GU25 (1)	GU35 (1)

(1) The combination with a pair of stylish and structural feet is mandatory.

Pair of stylish structural feet

Model	Ver	11	16	26	36
ZU	C,PC,S,UL	•	•	•	•

Configuration

Field	Description
1,2	UL
3,4	Size 11, 16, 26, 36
5	Version
C	Vertical installation, intake at base, electronic thermostat
PC	Vertical installation, intake at base, electronic thermostat, Cold Plasma purifier
S	Vertical and horizontal installation, intake at base, without commands
UL	Standard - Vertical installation, bottom intake, manual switch-over

PERFORMANCE SPECIFICATIONS**2-pipe**

	UL11			UL16			UL26			UL36		
	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	3,53	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	2	2	5	8	11	7	12	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	6	8	11	7	13	19

Fan

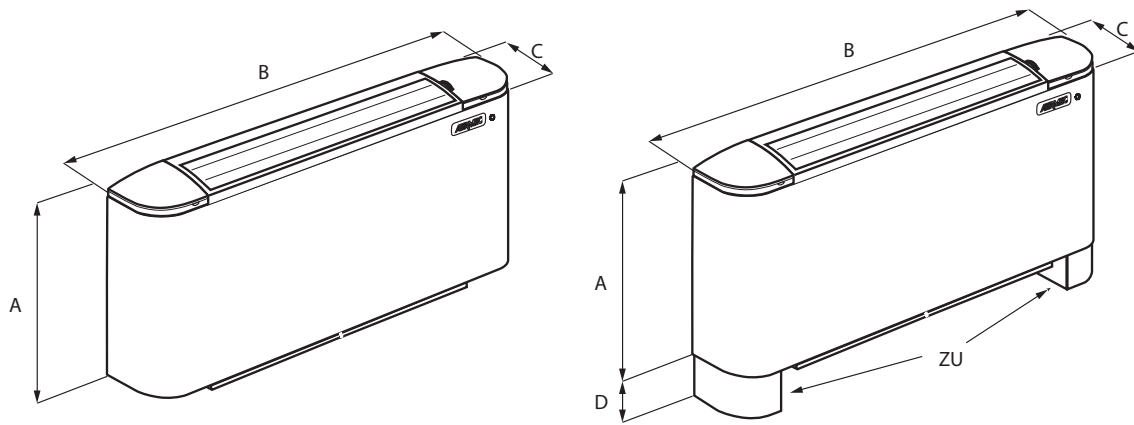
Type	type	Asynchronous											
Fan motor	type	Centrifugal											
Number	no.	1			1			2			2		
Air flow rate	m³/h	80	120	180	110	160	240	190	270	350	240	350	460
Input power	W	8	12	18	23	25	32	24	27	35	30	35	42
Electrical wiring		V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3
Sound power level	dB(A)	31,0	37,0	46,0	34,0	43,0	48,0	35,0	43,0	48,0	34,0	43,0	50,0
Sound pressure level (10 m)	dB(A)	23,0	29,0	38,0	26,0	35,0	40,0	27,0	35,0	40,0	26,0	33,0	42,0
Water coil													
Water content	l	0,30			0,40			0,60			0,80		
Diameter hydraulic fittings													
Main coil	Ø	1/2"											
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



Size			11	16	26	36
Dimensions and weights						
A	C,PCS,UL	mm	513	513	513	513
B	C,PCS,UL	mm	640	750	980	1200
C	C,PCS,UL	mm	173	173	173	173
D	C,PCS,UL	mm	93	93	93	93
Empty weight	C,PCS,UL	kg	12	14	16	20

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Omnia ULI

Universal and floor installation



- **Electric saving equal to 50% compared to a fancoil with 3-speed motor.**
- **Fully silent functioning**
- **Ideal for residential or office solutions**



DESCRIPTION

Fan coils with inverter technology for heating, cooling, and dehumidifying. Equipped with a state of the art ventilation unit with continuous modulation of the air flow rate, which allows for precise adaptation of the actual indoor ambient requirements without temperature oscillations, for increased comfort, also in terms of noise, and electrical savings.

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

C Vertical installation, intake at base, electronic thermostat

PC Vertical installation, intake at base, electronic thermostat, Cold Plasma purifier

S Vertical and horizontal installation, intake at base, without commands

FEATURES

Case

Protective metal cabinet with anti-corrosion polyester RAL 9002 paint, whereas the head with the air distribution grille is in RAL 7047 plastic.

Ventilation group

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

Brushless motor with continuous speed variation 0-100%.

The scroll that protects the fan can be extracted and inspected, for easy and effective 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

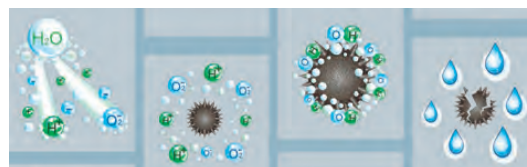
Provided standard in plastic and fixed to the interior structure; with external condensate discharge.

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.

APC versions equipped with Coldplasma Air 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.



ACCESSORIES

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.

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-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-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.

AMP: Wall mounting kit

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.

GU: Intake grid covers the front space between the ornamental feet and does not interfere with the filter.

PCU: Sheet metal panel closing the rear of the unit.

ZU: Pair of stylish and structural feet.

ACCESSORIES COMPATIBILITY

Model	Ver	16	26	36
AER503IR (1)	S	•	•	•
PRO503	S	•	•	•
SA5 (2)	S	•	•	•
SW3 (2)	C,PC,S	•	•	•
SW5 (2)	S	•	•	•
TX (1)	S	•	•	•

(1) Wall-mount installation.

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

VMF system

Model	Ver	16	26	36
VMF-E19I	S	•	•	•
VMF-E2D	S	•	•	•
VMF-E3	S	•	•	•
VMF-E4DX	S	•	•	•
VMF-E4X	S	•	•	•
VMF-IR	S	•	•	•

Condensate drip

Model	Ver	16	26	36
BC10 (1)	C,PC,S	•	•	•
BC20 (2)	C,PC,S	•	•	•

(1) For vertical installation.

(2) For horizontal installation.

Condensate drainage

Model	Ver	16	26	36
DSCS (1)	C,PC	•	•	•

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

3 way valve kit

Model	Ver	16	26	36
VCH	C,PC	•	•	•

2 way valve kit

Model	Ver	16	26	36
VCHD	C,PC	•	•	•

Wall mounting kit

Model	Ver	16	26	36
AMP10	C,PC	•	•	•

Pair of stylish structural feet

Model	Ver	16	26	36
ZU	C,PC,S	•	•	•

Configuration

Field	Description
1,2,3	ULI
4,5	Size 16, 26, 36
6	Version
C	Vertical installation, intake at base, electronic thermostat
PC	Vertical installation, intake at base, electronic thermostat, Cold Plasma purifier
S	Vertical and horizontal installation, intake at base, without commands

PERFORMANCE SPECIFICATIONS

2-pipe

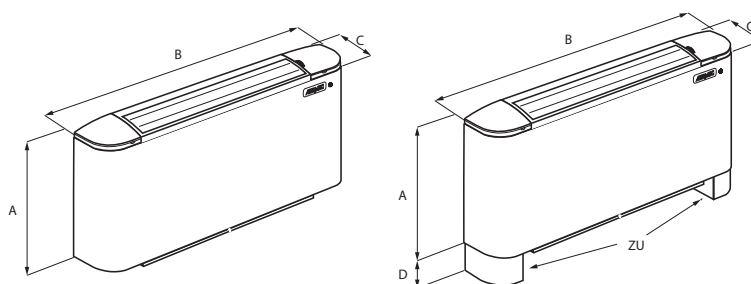
		ULI16			ULI26			ULI36		
		1	2	3	1	2	3	1	2	3
		L	M	H	L	M	H	L	M	H
Heating performance 70 °C / 60 °C (1)										
Heating capacity	kW	1,54	2,12	2,91	2,89	3,83	4,62	3,53	4,87	5,94
Water flow rate system side	l/h	135	186	255	254	336	405	310	427	521
Pressure drop system side	kPa	1	2	4	5	8	11	3	5	7
Heating 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	23	25	32	24	27	35	30	35	42
Signal 0-10V	%	38	56	83	49	70	90	48	70	90
Sound power level	dB(A)	34,0	43,0	48,0	35,0	43,0	48,0	34,0	43,0	50,0
Sound pressure level (10 m)	dB(A)	26,0	35,0	40,0	27,0	35,0	40,0	26,0	33,0	42,0
Water coil										
Water content	l	0,40			0,60			0,80		
Diameter hydraulic fittings										
Main coil	Ø	1/2"								
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



Size			16	26	36
Dimensions and weights					
A	C,PC,S	mm	513	513	513
B	C,PC,S	mm	750	980	1200
C	C,PC,S	mm	173	173	173
D	C,PC,S	mm	93	93	93
Empty weight	C,PC,S	kg	14	16	20

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Aermec S.p.A.

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OMNIA RADIANT

Fan coils with radiant panel for residential use

Ceiling or floor mounted

- Low temperature radiation*
- Ventilated heating
- Cooling - dehumidification
- Energy saving
- Low operating cost

* Radiant technology under licence



FEATURES

Omnia Radiant and Omnia Radiant Plus Aermec innovative solutions

In this particular worldwide market evolution, we are pleased to present to you OMNIA Radiant, which represents the innovation of the OMNIA AERMEC series, fan coils especially designed for residential comfort.

OMNIA Radiant inherits all the advantages of the OMNIA UL series, and is characterized by the introduction of the frontal plate for radiant heating.

OMNIA Radiant Plus is provided with the DC Brushless electric engine, equipped with the latest Inverter technology, granting the highest energy efficiency and able to regulate the air flow through the continuous fan speed modulation. This allows to achieve up to 60% in energy saving when compared to the traditional On-Off fan system, in both air conditioning and heating.

OMNIA Radiant and Radiant Plus offer the following advantages when compared to the traditional systems:

- the radiant plate combination – the finned coil allows the best winter comfort with the lower energy consumption because it provides heating with lower water temperature: only 45°C against the about 65°C needed for the traditional radiator. This not only increases the comfort for the user, but also significantly increases the overall efficiency in case of heat pumps usage;
- the fan system allows to quickly reach the desired temperature, meeting the requirement of a fast start-up;
- the unit can be combined other than the boiler, also to energy saving heat pumps: air to water, water to water and geothermic type;
- the electrostatic charge filter standard supplied, provides pure and clean air;
- during summer Omnia Radiant and Radiant Plus provide air conditioning and dehumidification in a fast and efficient way in every room.

The four different working modes of Omnia Radiant annual functioning

Radiant

Heating through radiation, comfortable and noiseless, is granted by the radiant plate placed on the front of the fan coil cover; if necessary, the triple-fins delivery head can be closed to increase the heating of the plate, thus maximizing the radiant effect.

Radiant + Natural Convection

With the triple-fins open, heating through natural convection, obtained thanks to the bigger coil exchange surface, is added to the radiant heating.

As for the radiant-only mode (see above), the fan groups are in off mode. This results in acoustic comfort and energy saving.

Radiant + Forced Convection

The electronic regulation, precise and reliable, continuously compares the effective indoor temperature with the desired temperature: whenever the difference between the two should prove to be too high (e.g. during the heating system start-up) the software will lead the fan system start-up. Start-up is fast and efficient and grants significant energy savings especially in rooms that are occasionally used.

Omnia Radiant during summer provides air conditioning and dehumidification:



Forced Convection

During summer, Omnia Radiant and Radiant Plus provide air conditioning and dehumidification for each room of the house in a fast and efficient way. Efficiency and quietness benefit from the quality that has always characterized the Omnia series.

FEATURES OF THE OMNIA RADIANT SERIES

- 1 Radiant plate
- 2 Switching valve
- 3 Water probe
- 4 Condensate storage container, hydraulic hoses



VCHRAD accessory

OMNIA radiant (UL_R) standard features:

- Radiant panel
- Centrifugal fans
- Three-speed motor
- Condensate storage container, hydraulic hoses
- Switching valve
- Water probe
- Electro-statically preloaded filter
- VMF-thermostat for asynchronous motor
- Compatible with VMF system

OMNIA radiant plus (UL_RI) standard features:

- Radiant panel
- Centrifugal fans
- Electric DC Brushless motor with Inverter
- Condensate storage container, hydraulic hoses
- Water probe
- Switching valve
- Electro-statically preloaded filter
- VMF thermostat for DC Brushless motor
- Compatible with VMF system

ACCESSORIES

PCU: Rear closing panel.

ZU: Wedges for floor mount.

GU: Exhaust grille: covers the front space of the wedges and does not interfere with the air filter. **Must be combined with ZU wedges.**

ACCESSORIES COMPATIBILITY

	Omnia radiant		Omnia Radiant plus	
	UL26R	UL36R	UL26RI	UL36RI
PCU	25	35	25	35
GU	25	35	25	35
VCHRAD	•	•	•	•
ZU	•	•	•	•
VMF system				
VMF-E4X (compulsory accessory)	•	•	•	•
VMF-E4DX (compulsory accessory)	•	•	•	•
VMF-E5B	(1)	(1)	•	•
VMF-E5N	(1)	(1)	•	•

(1) Contact us

Cleaning the fan

The fan blades on the Omnia Radiant are easy to clean. As a matter of fact, the new versions now offer the possibility of opening the worm screw of the fan (the casing that encloses the blades) to perform routine cleaning.

Electro-statically preloaded filter

The Omnia Radiant fan coils feature standard air filters that are electro-statically preloaded. These filters, thanks to their particular construction, absorb and trap floating dust: the ideal system to provide clean air for all the family.

Silent operation

Thanks to special centrifugal fans, Omnia Radiant fan coils are incredibly silent, making them the best buy when it comes to acoustic comfort, given the total lack of peak noise. **"The heating by radiation at top speed ensures total silence regime"**

Note: The coil had hydraulic hoses on the left and is not reversible.

VCHRAD: Kit comprising motorized 3-way valve, unions and copper pipes.

VMF System: Its specs are described in its technical sheet.

TECHNICAL DATA

Omnia UL R				26		36	
Fan speed				H	M	L	
Heating Performance							
2 pipe configuration							
Heating capacity (70°C)	(1)	kW	4,62	3,83	2,89	5,94	4,87
Heating capacity (50°C)	(2)	kW		2,75			3,54
Water flow rate		l/h		397			511
Pressure drop		kPa		17			21
Static heating power (70°C)	(3)	kW		0,65			0,75
Static heating power (50°C)	(4)	kW		0,39			0,45
Static heating power (35°C)	(5)	kW		0,20			0,23
Cooling Performance							
Total cooling capacity	(6)	kW	2,03	1,78	1,42	2,83	2,31
Sensible cooling capacity	(6)	kW	1,64	1,37	1,05	2,04	1,79
Water flow rate	(6)	l/h		349			487
Pressure drops	(6)	kPa		18			22
Water content		l		0,8			1,1
Fans							
Fans		type/n°				centrifugal/2	
Air flow rate		m³/h	350	270	190	460	350
							240
Sound data							
Sound power level	(7)	dB(A)	48	43	35	50	43
Sound pressure level		dB(A)	40	35	27	40	33
							26
Diameter connections							
Standard coil		Ø(mm)		14			14
Electrical Features							
Absorbed power		W		35			42
Max. input current		A		0,18			0,22
Electrical connections			V3	V2	V1	V3	V2
Power supply		V/ph/Hz				230V~50Hz	V1
Energy Efficiency classification (EUROVENT)							
FCEER				D			D
FCCOP	(8)			D			D

Omnia UL RI				26		36	
Fan speed				H	M	L	
Heating Performance							
2 pipe configuration							
Heating capacity (70°C)	(1)	kW	4,62	3,83	2,89	5,94	4,87
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Fans		type/n°				centrifugal/2	
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							240
Sound data							
Sound power level	(7)	dB(A)	48	43	35	50	43
Sound pressure level		dB(A)	40	35	27	40	33
							26
Diameter connections							
Standard coil		Ø(mm)		14			14
Electrical Features							
Absorbed power		W		12			16
Max. input current		A		0,18			0,22
Signal 0-10V			9V	7V	5V	9V	7V
Power supply		V/ph/Hz				230V~50Hz	5V
Energy Efficiency classification (EUROVENT)							
FCEER				D			D
FCCOP	(8)			D			D

H max. speed; M med. speed; L min. speed

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

(2) Room air 20°C b.s.; Water (in) 50°C; Water flow rate as in cooling mode (EUROVENT)

(3) Radiant power + natural convection; Hot water (in) 70°C (water flow same as in heating cycle)

(4) Room temperature 20°C b.s.; Hot water (in/*) 50°C/*°C (water flow same as in heating cycle)

(5) Radiant power + natural convection; Hot water (in/*) 35°C/*°C (water flow same as in heating cycle)

(6) Room air 27°C b.s./19°C b.u.; Water (in/out) 7°C/12°C (EUROVENT)

(7) Sound power: Aermec determines sound power values on the basis of measurements made in accordance with UNI EN 16583:15, as required for Eurovent certification

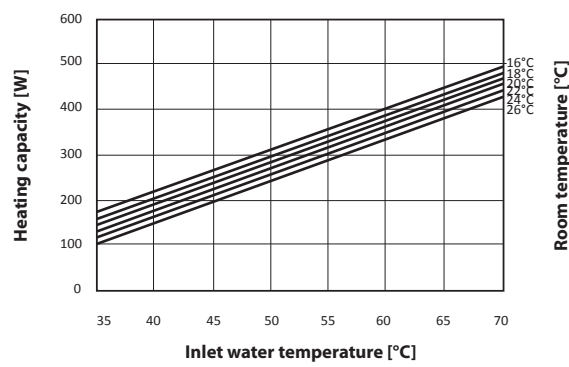
Level of sound pressure (A-weighted) measured in the room with volume V = 85m³; reverberation time t = 0.5s; direction factor Q = 2; distance r = 2.5m

(8) FCCOP Related to: Room air 20°C b.s.; Water (in) 50°C; Water flow rate as in cooling mode

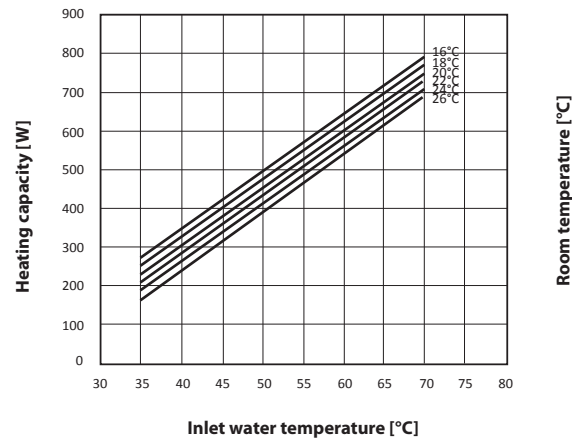
Note: For more information, please refer to the program selection and the technical documentation available on the website www.aermec.com

HEATING CAPACITY WITH FAN OFF

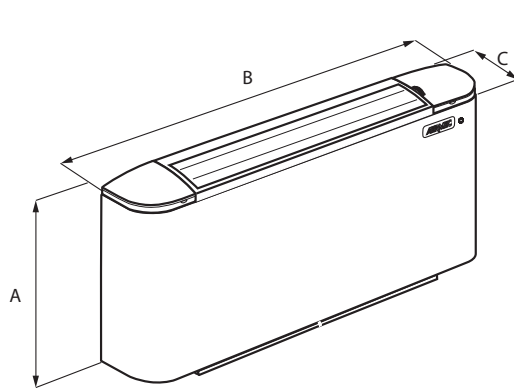
UL26R - UL26RI



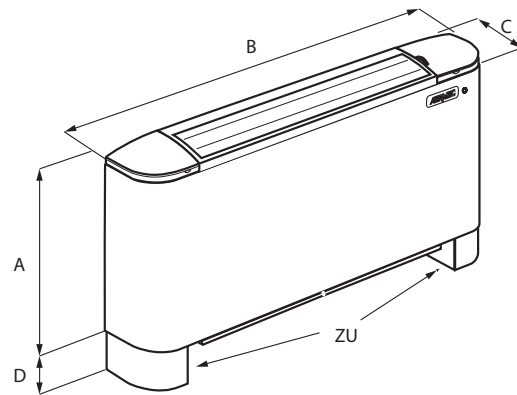
UL36R - UL36RI



DIMENSIONS



Wall installation



Floor installation

Omnia UL_R - UL_RI

Size			26	36
Dimensions and weights				
Height	A	mm	513	513
Width	B	mm	980	1200
Depth	C	mm	173	173
Height ZU (Accessories)	D	mm	93	93
Weight	(1)	kg	20	24

(1) Standard configuration of unit with accessories

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