КОНВЕКТОРИ Продуктов каталог 2022

AERMEC

FANCOILS Products Catalogue 2022

LOGO INDEX:

CERTIFICATIONS:

CE marking

REFRIGERANT:

R1234ze refrigerant

R134a refrigerant

R32 refrigerant

R407C refrigerant

R410A refrigerant

XP10 refrigerant

OPERATIONAL TYPES:

Evaporating unit

Cooling and heating

Cooling only

DHW

Condensing unit

Free-Cooling

Heating only

Multipurpose

For four pipes plants

For three pipes plants

For two pipes plants

INSTALLATION TYPES:

Cassette installation

Ceiling installation

Ducted installation

Floor installation

Wall installation

Air indoor unit

Air outdoor unit

Water indoor unit

KINDS OF EXCHANGERS :

Heat recovery

Plate exchanger

Pump kit

Shell and tube exchanger

Water tank

KINDS OF COMPRESSORS:

Centrifugal compressor

Inverter centrifugal compressor

Rotary compressor

Inverter rotary compressor

Scroll compressor

Inverter scroll compressor

Twin screw compressor

Inverter twin screw compressor

KINDS OF FANS:

Axial fan

Inverter axial fan

Centrifugal fan

Inverter centrifugal fan

EC fan

Inverter EC fan

Plug fan

Inverter plug fan

EXTRA:

Internet connection

Inverter device

Low noise version

Compatible with ModBus protocol

Network operation

Cold Plasma device

Night mode

Touch control

Compatible with VMF system (Variable Multi Flow)

Aermec is one of the companies belonging to Giordano Riello International Group and takes part to Eurovent programme for NCD series.
Aermec takes part to EUROVENT Programmes: FCH - FCHP for fan coil series.
Aermec is involved in EUROVENT Programme: LCP for chiller range.
The products involved appear on the website www.eurovent-certification.com

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

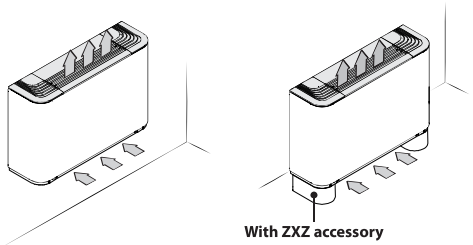
Air filter class Coarse 25% for all versions easy to pull out and clean.

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)



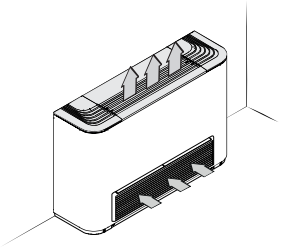
FCZ_A

— With built-in selector.

FCZ_AS
— Compatibility with VMF system.
— Without installed switch

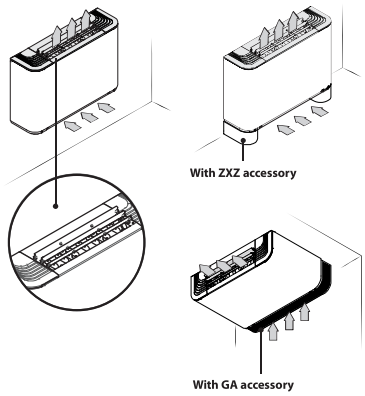
FCZ_ACT
— With electronic thermostat for 2-pipe systems only.

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

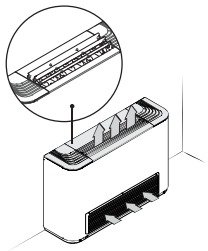


FCZ_AF
— Without installed switch
— Compatibility with VMF system.
— Front intake grille.

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
AER503IR (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
AER503IR (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
AER503IR (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	•	•	•	•	•	•	•
	U	•		•	•	•	•	•
VMF-E19	AF,UF					•		
	AS,UA	•	•	•	•	•	•	•
	U	•		•	•	•	•	•
VMF-E2Z	AF,UF					•		
	AS,UA	•	•	•	•	•	•	•
	U	•		•	•	•	•	•
VMF-E3	AF		•	•		•		
	U,UA	•	•	•	•	•	•	•
	UF		•	•		•	•	
VMF-E4DX	AF,UF					•		
	AS,UA	•	•	•	•	•	•	•
	U	•		•	•	•	•	•
VMF-E4X	AF,UF					•		
	AS,UA	•	•	•	•	•	•	•
	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 VCZ4124	VCZ41 VCZ4124	VCZ41 VCZ4124	VCZ41 VCZ4124	VCZ41 VCZ4124	VCZ41 VCZ4124	VCZ41 VCZ4124	VCZ41 VCZ4124	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224
Secondary coil	-	VCF44 VCZ4424	VCF44 VCZ4424	-	-	VCF44 VCZ4424	VCF44 VCZ4424	-	-	VCF44 VCZ4424	VCF44 VCZ4424	-	-	VCF44 VCZ4424	VCF44 VCZ4424	-
Additional coil "BV"	VCF44 VCZ4424	-	-	-	VCF44 VCZ4424	-	-	-	VCF44 VCZ4424	-	-	-	VCF44 VCZ4424	-	-	-

	500	501	502	550	600	601	602	650	700	701	702	750	800	801	802	850
Main coil	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224
Secondary coil	-	VCF44 VCZ4424	VCF44 VCZ4424	-	-	VCF44 VCZ4424	VCF44 VCZ4424	-	-	VCF44 VCZ4424	VCF44 VCZ4424	-	-	VCF44 VCZ4424	VCF44 VCZ4424	-
Additional coil "BV"	VCF44 VCZ4424	-	-	-	VCF44 VCZ4424	-	-	-	VCF44 VCZ4424	-	-	-	VCF44 VCZ4424	-	-	-

	900	901	950	1000	1001
Main coil	VCZ43 VCZ4324	VCZ43 VCZ4324	VCZ43 VCZ4324	VCZ43 VCZ4324	VCZ43 VCZ4324
Secondary coil	-	VCF45 VCZ4524	-	-	VCF45 VCZ4524
Additional coil "BV"	VCF45 VCZ4524	-	-	VCF45 VCZ4524	-

2 way valve kit

	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450
Main coil	VCZD1 VCZD124	VCZD1 VCZD124	VCZD1 VCZD124	VCZD1 VCZD124	VCZD1 VCZD124	VCZD1 VCZD124	VCZD1 VCZD124	VCZD1 VCZD124	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224
Secondary coil	-	VCFD4 VCZD424	VCFD4 VCZD424	-	-	VCFD4 VCZD424	VCFD4 VCZD424	-	-	VCFD4 VCZD424	VCFD4 VCZD424	-	-	VCFD4 VCZD424	VCFD4 VCZD424	-
Additional coil "BV"	VCFD4 VCZD424	-	-	-	VCFD4 VCZD424	-	-	-	VCFD4 VCZD424	-	-	-	VCFD4 VCZD424	-	-	-

	500	501	502	550	600	601	602	650	700	701	702	750	800	801	802	850
Main coil	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224
Secondary coil	-	VCFD4 VCZD424	VCFD4 VCZD424	-	-	VCFD4 VCZD424	VCFD4 VCZD424	-	-	VCFD4 VCZD424	VCFD4 VCZD424	-	-	VCFD4 VCZD424	VCFD4 VCZD424	-
Additional coil "BV"	VCFD4 VCZD424	-	-	-	VCFD4 VCZD424	-	-	-	VCFD4 VCZD424	-	-	-	VCFD4 VCZD424	-	-	-

	900	901	950	1000	1001
Main coil	VCZD3 VCZD324	VCZD3 VCZD324	VCZD3 VCZD324	VCZD3 VCZD324	VCZD3 VCZD324
Secondary coil	-	VCFD4 VCZD424	-	-	VCFD4 VCZD424
Additional coil "BV"	VCFD4 VCZD424	-	-	VCFD4 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		
Air flow rate	m^3/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
Diametre hydraulic fittings																															
Main coil	Ø	1/2"			1/2"			1/2"			1/2"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"		
Power supply																															
Power supply		230V~50Hz																													

		FCZ600			FCZ650			FCZ700			FCZ750			FCZ800			FCZ850			FCZ900			FCZ950			FCZ1000		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 70 °C / 60 °C (1)																												
Heating capacity	kW	6,50	8,10	10,00	7,19	9,15	11,50	8,10	9,80	11,00	9,10	11,30	12,50	9,80	10,80	12,00	11,30	12,35	14,00	10,77	13,35	15,14	11,20	14,42	17,10	12,53	15,24	17,02
Water flow rate system side	l/h	570	710	877	631	802	1008	710	860	964	798	991	1096	859	947	1052	991	1083	1227	945	1171	1328	982	1264	1500	1101	1337	1493
Pressure drop system side	kPa	12	18	26	14	21	31	17	24	29	10	15	18	22	27	32	17	20	25	12	17	22	16	24	33	22	32	38
Heating performance 45 °C / 40 °C (2)																												
Heating capacity	kW	3,32	4,03	4,97	3,57	4,55	5,72	4,03	4,87	5,47	4,52	5,62	6,21	4,87	5,37	5,97	5,62	6,14	6,96	5,35	6,64	7,53	5,57	7,17	8,50	6,24	7,58	8,46
Water flow rate system side	l/h	561	699	863	621	790	993	699	846	950	786	975	1079	846	932	1036	975	1066	1209	930	1152	1307	967	1245	1476	1084	1316	1469
Pressure drop system side	kPa	12	18	26	14	20	31	16	24	29	10	14	18	22	26	32	6	20	25	12	17	22	15	24	33	22	31	38
Cooling performance 7 °C / 12 °C (3)																												
Cooling capacity	kW	3,22	3,90	4,65	3,95	4,80	5,67	3,92	4,89	5,50	4,27	5,34	6,14	4,84	5,66	6,10	5,26	6,29	6,91	4,29	5,00	6,91	5,77	7,32	8,60	5,69	6,88	7,62
Sensible cooling capacity	kW	2,56	3,17	3,92	2,78	3,43	4,12	2,99	3,76	4,30	3,20	4,05	4,72	3,72	4,42	4,83	4,00	4,83	5,36	2,97	3,78	5,68	3,80	4,87	5,78	4,42	5,34	5,53
Water flow rate system side	l/h	554	671	800	595	825	975	675	841	946	734	918	1056	833	974	1049	904	1082	1189	738	860	1189	992	1259	1479	979	1183	1311
Pressure drop system side	kPa	14	19	26	15	21	28	16	24	30	10	14	18	20	26	30	14	20	23	10	12	22	15	22	30	22	31	36
Fan																												
Type	type	Centrifugal																										
Fan motor	type	Asynchronous																										
Number	no.	3			3			3			3			3			3			3			3			3		
Air flow rate	m^3/h	520	720	920	520	720	920	700	930	1140	700	930	1140	900	1120	1300	900	1120	1300	700	930	1140	700	930	1140	900	1120	1300
Input power	W	38	60	91	38	60	91	59	80	106	59	80	106	80	100	131	80	100	131	59	80	106	59	80	106	80	100	131
Electrical wiring		V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3
Fan coil sound data (4)																												
Sound power level	dB(A)	42,0	51,0	57,0	42,0	51,0	57,0	50,0	57,0	62,0	50,0	57,0	62,0	56,0	61,0	66,0	56,0	61,0	66,0	51,0	57,0	62,0	51,0	57,0	62,0	56,0	61,0	66,0
Sound pressure	dB(A)	34,0	43,0	49,0	34,0	43,0	49,0	42,0	49,0	54,0	42,0	49,0	54,0	48,0	53,0	58,0	48,0	53,0	58,0	43,0	49,0	54,0	43,0	49,0	54,0	48,0	53,0	58,0
Diametre hydraulic fittings																												
Main coil	Ø	3/4"																										
Power supply																												
Power supply		230V~50Hz																										

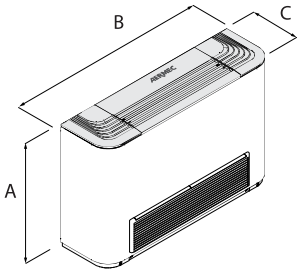
(1) Room air temperature 20 °C d.b.; Water (in/out) 70 °C/60 °C
(2) Room air temperature 20°C d.b.; Water (in/out) 45°C/40°C; EUROVENT
(3) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT
(4) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583:15, respecting the Eurovent certification.

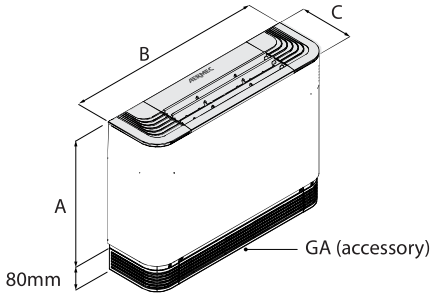
4-pipe

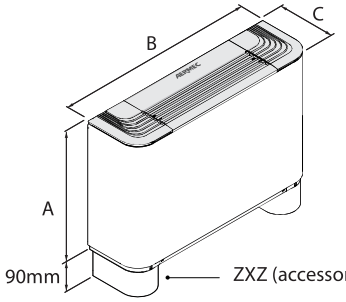
		FCZ101			FCZ201			FCZ301			FCZ401			FCZ501			FCZ601			FCZ701			FCZ801			FCZ901			FCZ1001		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 65 °C / 55 °C (1)																															
Heating capacity	kW	0,75	1,01	1,17	1,02	1,35	1,60	1,80	2,18	2,56	2,21	2,65	3,12	2,59	3,34	3,73	2,96	3,67	4,36	3,66	4,29	4,94	4,20	4,79	5,35	4,73	5,63	5,72	4,85	5,56	6,08
Water flow rate system side	l/h	65	89	102	89	118	140	158	191	224	186	232	273	227	293	327	259	321	381	320	375	437	368	419	467	414	492	501	424	487	532
Pressure drop system side	kPa	2	4	4	4	8	10	16	23	30	4	6	8	6	8	10	8	12	16	11	14	18	16	20	24	8	12	12	10	14	16
Cooling performance 7 °C / 12 °C (2)																															
Cooling capacity	kW	0,65	0,84	1,00	0,89	1,28	1,60	1,68	2,17	2,65	2,20	2,92	3,60	2,68	3,69	4,25	3,22	3,90	4,65	3,92	4,89	5,50	4,84	5,66	6,10	4,29	5,00	6,91	5,69	6,88	7,62
Sensible cooling capacity	kW	0,51	0,69	0,83	0,71	1,05	1,33	1,26	1,65	2,04	1,59	2,14	2,67	1,94	2,73	3,18	2,56	3,17	3,92	2,99	3,76	4,30	3,72	4,42	4,83	2,97	3,78	5,68	4,42	5,34	5,53
Water flow rate system side	l/h	112	144	172	153	221	275	288	374	456	379	503	619	460	634	731	554	671	800	675	841	946	833	974	1049	738	860	1189	979	1183	1311
Pressure drop system side	kPa	4	6	8	6	12	18	8	13	18	10	16	24	13	22	29	14	19	26	16	24	30	20	26	30	10	12	22	22	31	36
Fan																															
Type	type	Centrifugal																													
Fan motor	type	Asynchronous																													
Number	no.	1			1			2			2			2			3			3			3			3			3		
Air flow rate	m^3/h	110	160	200	140	220	290	260	350	450	330	460	600	400	600	720	520	720	920	700	930	1140	900	1120	1300	700	930	1140	900	1120	1300
Input power	W	19	29	35	25	29	33	25	33	44	30	43	57	38	52	76	38	60	91	59	80	106	80	100	131	59	80	106	80	100	131
Electrical wiring		V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3
Fan coil sound data (3)																															
Sound power level	dB(A)	31,0	38,0	45,0	35,0	46,0	51,0	34,0	41,0	48,0	37,0	44,0	51,0	42,0	51,0	56,0	42,0	51,0	57,0	50,0	57,0	62,0	56,0	61,0	66,0	51,0	57,0	62,0	56,0	61,0	66,0
Sound pressure	dB(A)	23,0	30,0	37,0	27,0	38,0	43,0	26,0	33,0	40,0	29,0	36,0	43,0	34,0	43,0	48,0	34,0	43,0	49,0	42,0	49,0	54,0	48,0	53,0	58,0	43,0	49,0	54,0	48,0	53,0	58,0
Diametre hydraulic fittings																															
Main coil	Ø	1/2"			1/2"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"		
Secondary coil	Ø	1/2"																													
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
(3) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583:15, respecting the Eurovent certification.

DIMENSIONS







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

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 1-10 V signal, coming from adjustment and control commands Aermec or from independent adjustment systems.
This lowers noise and generates a better response to heat loads and a higher stability in the desired temperature inside the room.
The high efficiency even with low speed, makes it possible to reduce power consumption (more than 50% less than fan coils with traditional motors).
The plastic augers are extractable for easy and efficient cleaning.

Heat exchanger coil

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

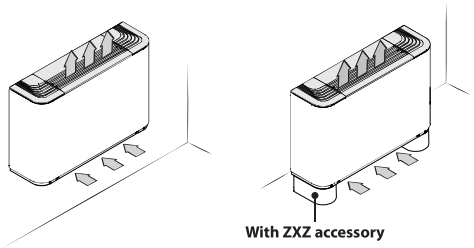
Air filter

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)

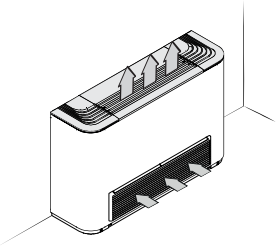


FCZI_AS
— Compatibility with VMF system.

— Without installed switch

FCZI_ACT

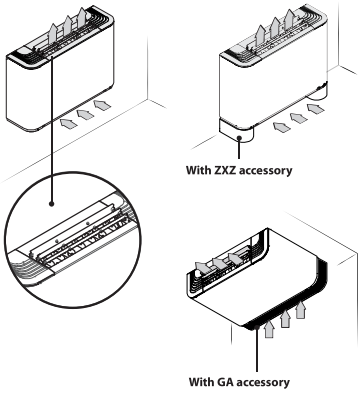
— With electronic thermostat for 2-pipe systems only.



FCZI_AF

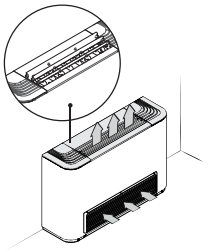
— Without installed switch
— Compatibility with VMF system.
— Front intake grille.

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-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	•	•	•	•	•	•	•	•	•	•	•	•

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 VCZ4124	VCZ41 VCZ4124	VCZ41 VCZ4124	VCZ41 VCZ4124	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224
Secondary coil	-	VCF44 VCZ4424	VCF44 VCZ4424	-	-	VCF44 VCZ4424	VCF44 VCZ4424	-	-	VCF44 VCZ4424	VCF44 VCZ4424	-
Additional coil "BV"	VCF44 VCZ4424	-	-	-	VCF44 VCZ4424	-	-	-	VCF44 VCZ4424	-	-	-

	500	501	502	550	700	701	702	750	900	901	950
Main coil	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ43 VCZ4324	VCZ43 VCZ4324	VCZ43 VCZ4324
Secondary coil	-	VCF44 VCZ4424	VCF44 VCZ4424	-	-	VCF44 VCZ4424	VCF44 VCZ4424	-	-	VCF45 VCZ4524	-
Additional coil "BV"	VCF44 VCZ4424	-	-	-	VCF44 VCZ4424	-	-	-	VCF45 VCZ4524	-	-

2 way valve kit

	200	201	202	250	300	301	302	350	400	401	402	450
Main coil	VCZD1 VCZD124	VCZD1 VCZD124	VCZD1 VCZD124	VCZD1 VCZD124	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224
Secondary coil	-	VCFD4 VCZD424	VCFD4 VCZD424	-	-	VCFD4 VCZD424	VCFD4 VCZD424	-	-	VCFD4 VCZD424	VCFD4 VCZD424	-
Additional coil "BV"	VCFD4 VCZD424	-	-	-	VCFD4 VCZD424	-	-	-	VCFD4 VCZD424	-	-	-

	500	501	502	550	700	701	702	750	900	901	950
Main coil	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD3 VCZD324	VCZD3 VCZD324	VCZD3 VCZD324
Secondary coil	-	VCFD4 VCZD424	VCFD4 VCZD424	-	-	VCFD4 VCZD424	VCFD4 VCZD424	-	-	VCFD4 VCZD424	-
Additional coil "BV"	VCFD4 VCZD424	-	-	-	VCFD4 VCZD424	-	-	-	VCFD4 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		
Air flow rate	m^3/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 ÿ ttings																									
Main coil	Ø	1/2"			1/2"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"		
Power supply																									
Power supply		230V~50Hz																							

		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	m^3/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 ÿ ttings													
Main coil	Ø	3/4"											
Power supply													
Power supply		230V~50Hz											

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

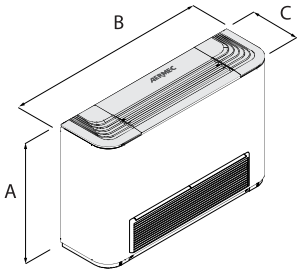
Technical data - 4-pipe systems (main coil + secondary coil)

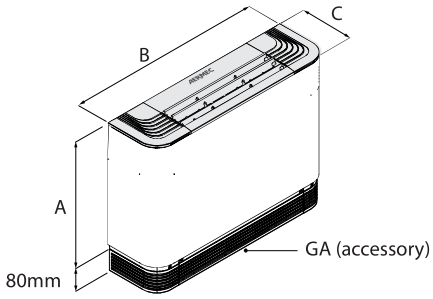
4-pipe

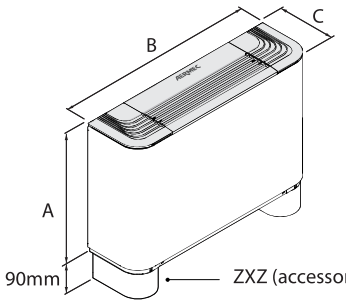
		FCZI201			FCZI301			FCZI401			FCZI501			FCZI701			FCZI901		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 65 °C / 55 °C (1)																			
Heating capacity	kW	1,02	1,35	1,60	1,80	2,18	2,56	2,21	2,65	3,12	2,59	3,34	3,73	3,66	4,29	4,94	4,73	5,63	5,72
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	m^3/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
Diametre hydraulic ÿ ttings																			
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		

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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.

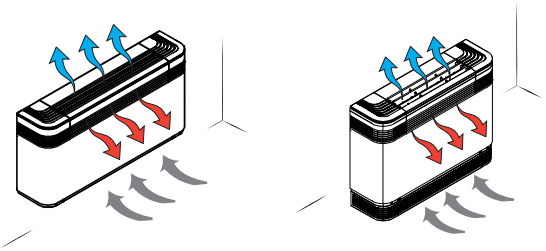
The hydraulic connections can be inverted during installation.

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).

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.

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	•	•	•	•

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
DSCZ4 (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	•	•	•	•

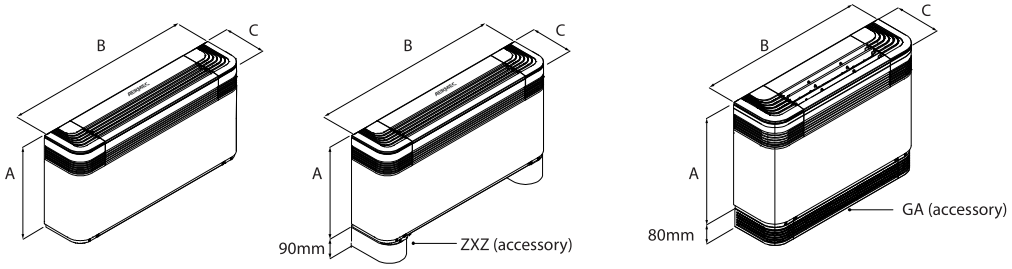
PERFORMANCE SPECIFICATIONS

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	m^3/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		
Diametre hydraulic ÿ ttings													
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

Aermec S.p.A.
Via Roma, 996 - 37040 Bevilacqua (VR) - Italia
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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 vesion)**

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.

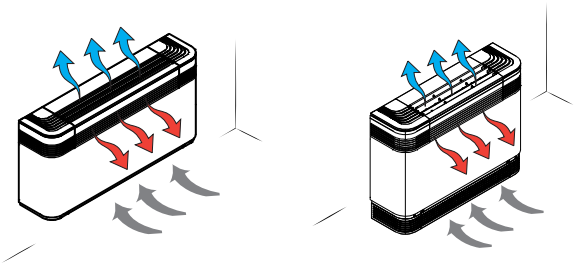
Condensate drip

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. 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

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.

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	•	•	•	•

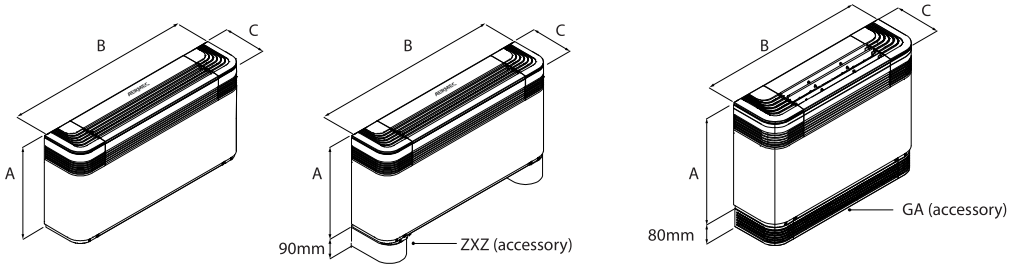
PERFORMANCE SPECIFICATIONS

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	m^3/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		
Diametre hydraulic ÿ ttings													
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



		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	kg	15	17	23	22

Aermec S.p.A.
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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

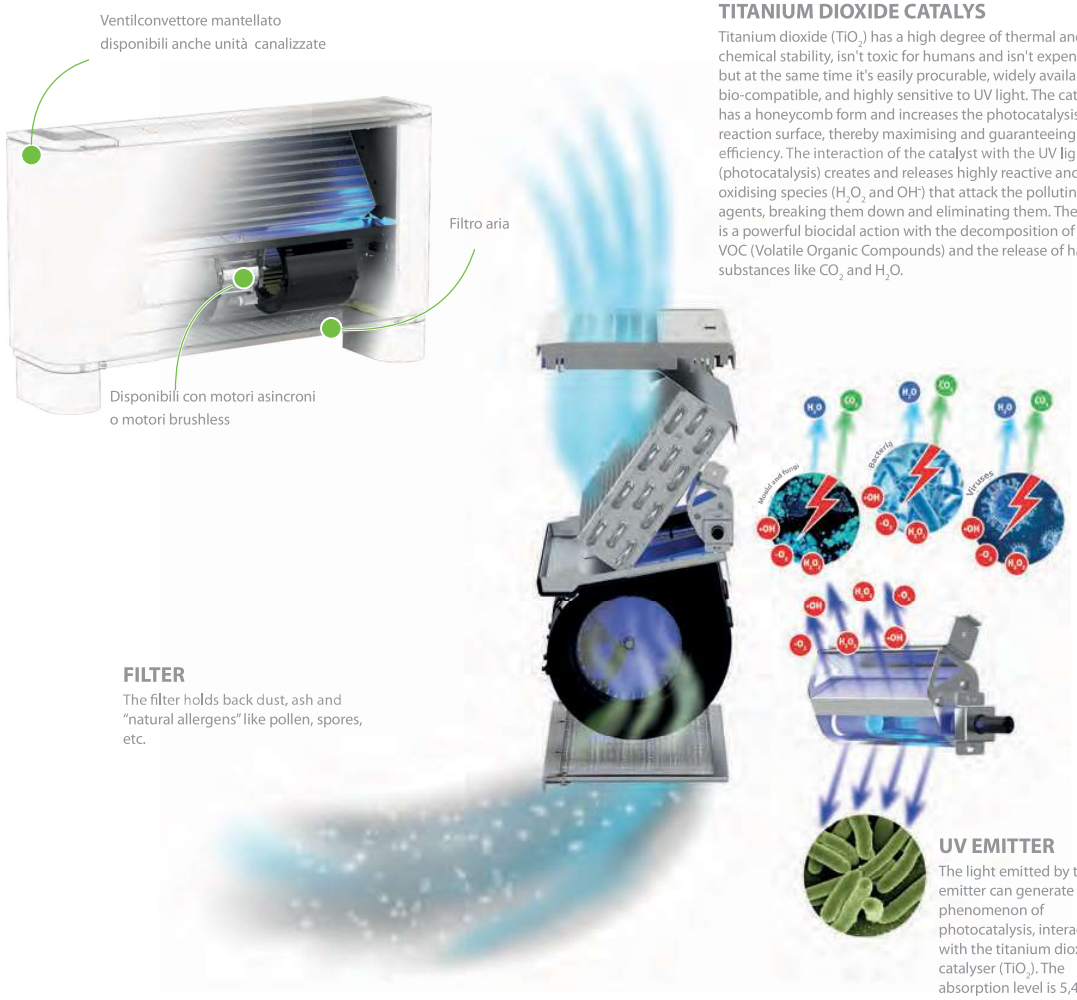
With copper pipes and aluminium fins, the main coil has female gas water connections on the left side and the manifolds have air vents.
The coil is not suitable for use in corrosive atmosphere or in environments where aluminium may be subject to corrosion.

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



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 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 CO_2 and H_2O.

FILTER

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

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-E19l accessory.
VMF-E3: Wall mounted user interface, to be combined with accessories VMF-E19, VMF-E19l, 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-E0X (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

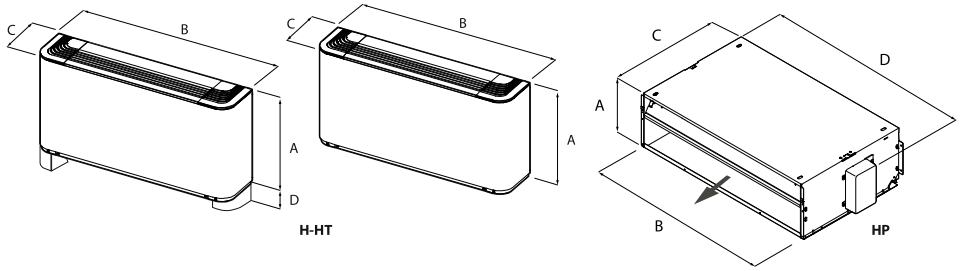
PERFORMANCE SPECIFICATIONS

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	m^3/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
Diametre hydraulic ÿ ttings																						
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																				

(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	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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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 withe 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.

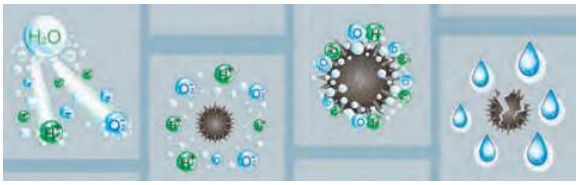
The hydraulic connections can be inverted during installation.

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 garanteeing 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-IO	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	•	•	•	•

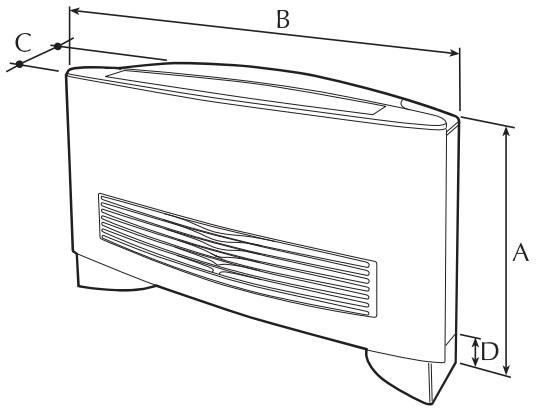
PERFORMANCE SPECIFICATIONS

2-pipe

		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	m^3/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 ÿ ttings													
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

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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 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).
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).

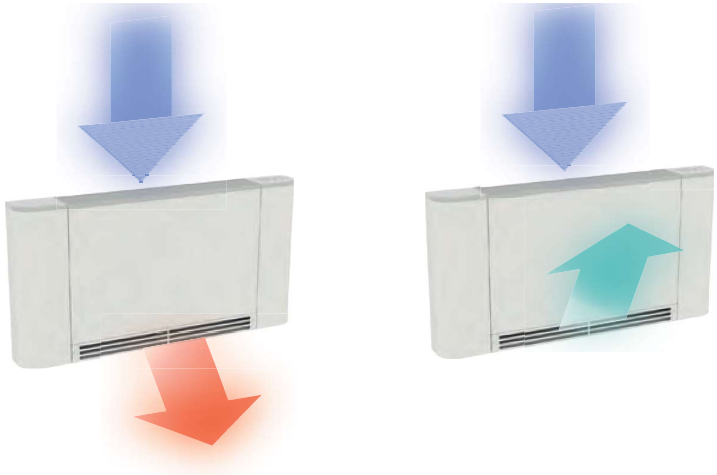
VMF-E4X: Wall-mounted user interface. Light grey front panel PANTONE COOL GRAY 1C.
VMF-IR: User interface compatible with the AER503IR thermostat and with all the grids of cassettes equipped with the infrared receiver compatible with the VMF system.
BCSV: Condensate collection tray, for valve kit.
DSC7: 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	•	•	•	•	•

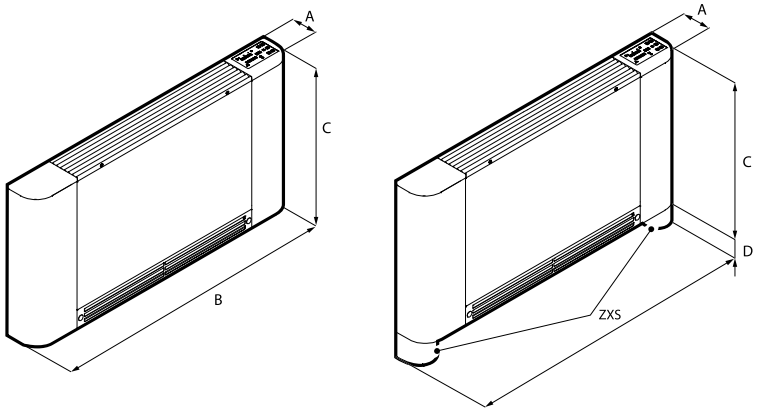
PERFORMANCE SPECIFICATIONS

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	m^3/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		
Diametre hydraulic ÿ ttings																
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.

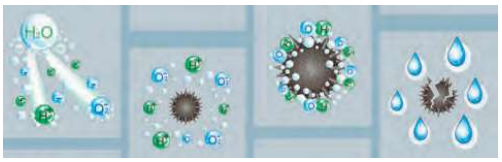
The hydraulic connections can be inverted during installation.

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 garanteeing 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

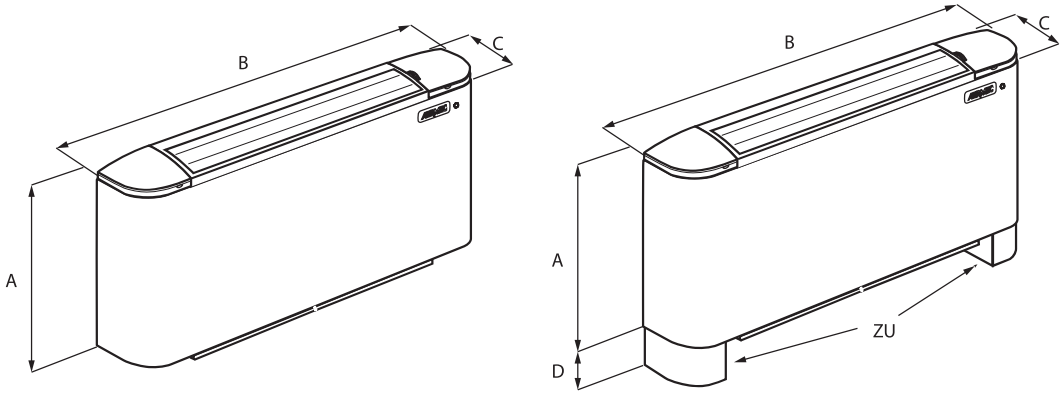
PERFORMANCE SPECIFICATIONS

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	m^3/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		
Diametre 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,PC,S,UL	mm	513	513	513	513
B	C,PC,S,UL	mm	640	750	980	1200
C	C,PC,S,UL	mm	173	173	173	173
D	C,PC,S,UL	mm	93	93	93	93
Empty weight	C,PC,S,UL	kg	12	14	16	20

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Tel. 0442633111 - Telefax 044293577
www.aermec.com

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.

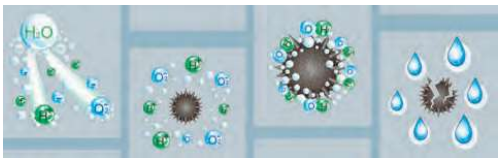
The hydraulic connections can be inverted during installation.

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 garanteeing 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
DSC5 (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

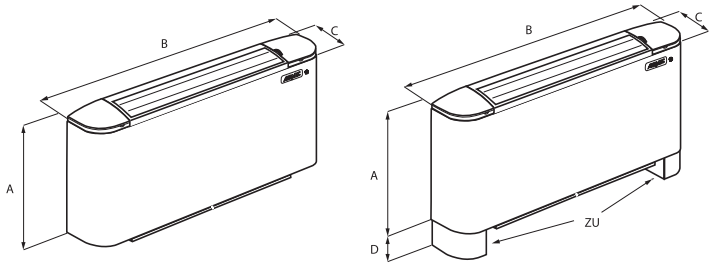
PERFORMANCE SPECIFICATIONS

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	m^3/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		
Diametre 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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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 increases the heating of the plate, thus maximizing the radiant effect.

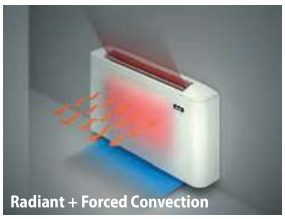
Radiant + Natural Convection

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:

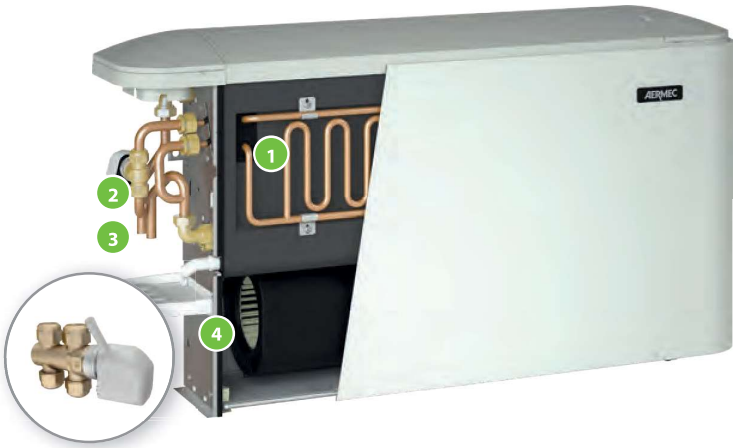


Forced Convection

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

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.

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.**

VCHRAD: Kit comprising motorized 3-way valve, unions and copper pipes.
VMF System: Its specs are described in its technical sheet.

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

TECHNICAL DATA

Omnia UL_R				26			36	
Fan speed			**H**	**M**	**L**	**H**	**M**	**L**
Heating Performance								
2 pipe conÿguration								
Heating capacity (70°C)	(1)	kW	4,62	3,83	2,89	5,94	4,87	3,53
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	1,73
Sensible cooling capacity	(6)	kW	1,64	1,37	1,05	2,04	1,79	1,28
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	34
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	V1
Power supply		V/ph/Hz			230V~50Hz			
Energy E° ciency classiÿcation (EUROVENT)								
FCEER				D			D	
FCCOP	(8)			D			D	

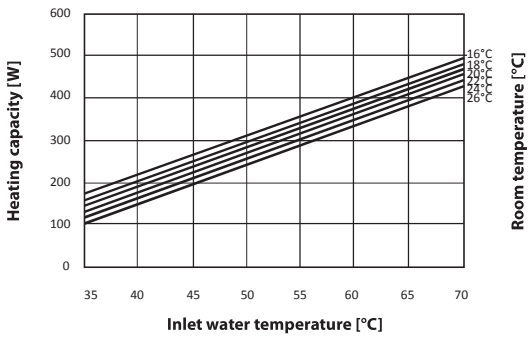
Omnia UL_RI				26			36	
Fan speed			**H**	**M**	**L**	**H**	**M**	**L**
Heating Performance								
2 pipe conÿguration								
Heating capacity (70°C)	(1)	kW	4,62	3,83	2,89	5,94	4,87	3,53
Heating capacity (50°C)	(2)	kW		2,75			3,54	
Water flow rate		l/h		397			511	
Pressure drop		kPa		17			21	
Static 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	1,73
Sensible cooling capacity	(6)	kW	1,64	1,37	1,05	2,04	1,79	1,28
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	34
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	5V
Power supply		V/ph/Hz			230V~50Hz			
Energy E° ciency classiÿcation (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

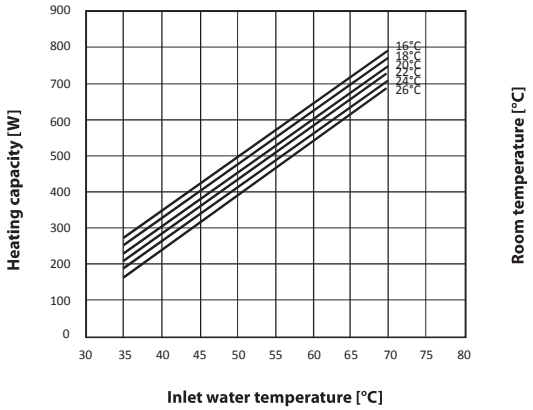
Note: For more information, please refer to the program selection and the technical documentation available on the website www.aermec.com

HEATING CAPACITY WITH FAN OFF

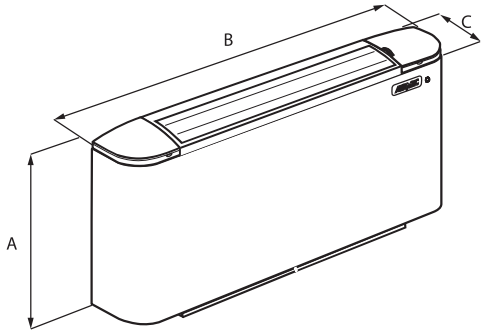
UL26R - UL26RI



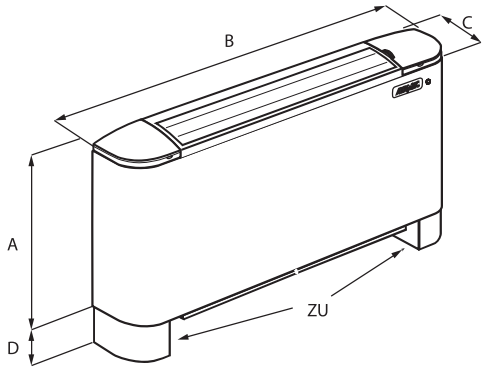
UL36R - UL36RI



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

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

FCZ P - PO

Fan coil unit for ducted installations

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

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

DESCRIPTION

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

FEATURES

Ventilation group

Consisting of double suction centrifugal fans that are particularly silent, statically and dynamically balanced, and directly coupled with the motor shaft.
The motor is wired for single phase and has three speeds, with capacitor. The motor is fitted on sealed for life bearings and is secured on anti-vibration and self-lubricating mountings.
Extractable shrouds for easy, effective cleaning

Heat exchanger coil

With copper pipes and aluminium fins, the standard or oversized main coil and the possible secondary coil have female gas water connections on the left side and the manifolds have air vents.
The coil is not suitable for use in corrosive atmosphere or in environments where aluminium may be subject to corrosion.
Reversibility of the water connections during installation only for units with a standard or boosted main coil, or standard with BV accessory. Not reversible in all other configurations. In any case, units with the coil water connections on the right are available at the time of ordering.

Condensate drip

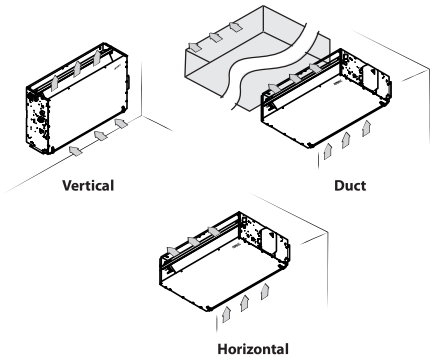
Provided standard in plastic and fixed to the interior structure; with external condensate discharge.

Air filter

Air filter class Coarse 25% for all versions easy to pull out and clean.
In the PPC version, air purification is guaranteed by the Cold Plasma purifier.
The purifier is able to reduce pollutants, decomposing their molecules using electrical charges, causing the water molecules in the air to split into positive and negative ions. These ions neutralise the molecules in the gaseous pollutants, obtaining products normally present in clean air. The device is able to eliminate 90% of the bacteria. The result is clean, ionized air, free of foul odours.

VERSIONS

Flush-mounting and duct-type versions



FCZ_P
— Flush-mounting
FCZ_PPC
— Flush-mounting with Cold Plasma purifier
FCZ_PO
— Flush-mounting, duct-type
— With useful head.

GUIDE TO SELECTING THE POSSIBLE CONFIGURATIONS

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

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

SIZE AVAILABLE FOR VERSION

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

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

ACCESSORIES

Control panels

AER503IR: Flush-mounting thermostat with backlit display, capacitive keypad and infrared receiver, for controlling both brushless fan coils and those with an asynchronous motor. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices (Cold Plasma and germicidal lamp), with radiant plate or with FCZ-D twin delivery (Dualjet). In addition, it can control systems with radiant panels or mixed (fan coil and radiant floor) systems. Being equipped with an infrared receiver, it can, in turn, be controlled by the VMF-IR remote control.
PRO503: Wall box for AER503IR and VMF-E4 thermostats.
PXAI: Thermostat on the machine for controlling the fan coils (both with asynchronous and brushless motors), complete with water and air probes to be positioned in the relative seats, and a plastic support to fix it on the side of the unit. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, purifier devices (Cold Plasma and germicidal lamp), or radiant plate.
SA5: air probe kit (L = 15 m) with probe-locking cable grommet.
SW3: Water probe (L = 2.5 m) for controlling the minimum and maximum and to allow automatic seasonal switching for electronic thermostats fitted with water side changeover.
SW5: water probe kit (L = 15m) with probe-holder connection point, fixing clip and probe-holder from heat exchanger.
TX: Wall-mounting thermostat for controlling either brushless fan coils or those with asynchronous motors. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices, radiant plate or FCZ-D twin delivery (Dualjet).
WMT05: Electronic thermostat with thermostated ventilation.
WMT06: Electronic thermostat with continuous ventilation.
WMT10: Electronic thermostat, white, with thermostated or continuous ventilation.

VMF system

VMF-E0X: Thermostat to be secured to the side of the fan coil, fitted as standard with an air probe and a water probe.
VMF-E19: Thermostat to be secured to the side of the fan coil, fitted as standard with an air probe and a water probe.
VMF-E3: Wall mounted user interface, to be combined with accessories VMF-E19, VMF-E19I, VMF-E0X with grids GLF_N/M and GLL_N, can be controlled with VMF-IR control.
VMF-E4DX: Wall-mounted user interface. Grey front panel PANTONE 425C (METAL).
VMF-E4X: Wall-mounted user interface. Light grey front panel PANTONE COOL GRAY 1C.
VMF-IR: User interface compatible with the AER503IR thermostat and with all the grids of cassettes equipped with the infrared receiver compatible with the VMF system.
VMF-SW: Water temperature probe.
VMF-SW1: Extra water probe to be used for 4-pipe systems.

Water valves

VCZ_X: 3-way valve kit for single-coil fan coil, RH connections, for 4-pipe systems. With totally separate "heating" and "cooling" circuits. This kit consists of two 3-way insulated valves and four connections, complete with electrothermal actuators, insulating shells for the valves, and the relative hydraulic couplings. X4L version for fan coils with LH connections, and X4R for fan coils with RH connections. 230V~50Hz power supply.
VCZ: 3-way motorised valve kit. The kit consists of a valve with its insulating shell, an actuator and the relative pipe fittings. It can be installed on fan coils with both right and left connections.
VCF44 - 45 - for the secondary coil: The 3-way motorised valve kit for the secondary coil or an optional heat only coil. The kit consists of a valve with its insulating shell, actuator and relevant water fittings; it is suitable to be installed on the fan coils with right and left water connections.
VCZD: 2-way motorised valve kit. The kit consists of a valve, an actuator and the relative pipe fittings. It can be installed on fan coils with both right and left connections.
VJP: Control and balancing combination valve for 2 and 4 pipe systems to install outside the unit, supplied without fittings and hydraulic components. The valve, which can guarantee a constant water flow rate in the terminal, within its operating range.
VDP: Combined adjustment and balancing valve, for 2 and 4 pipe systems to be installed outside the unit. It is comprised of a valve body without nipples with Ø 3/4'M water connections, a 230 V powered actuator with On-Off function and a 5 m power supply cable. The valve is supplied without connections or hydraulic components.

(Heating only) additional coil

BV: Single row hot water heat exchanger.
RX: Armoured electric coil with safety thermostat.

Installation accessories

AMP: Wall mounting kit
DSC: Condensate drainage device.
BC: Condensate drip.
BCZ: Condensate drip.
Ventilcassaforma: Galvanised sheet metal template. It makes it possible to obtain directly in the wall a space for housing the fan coil.
GA: Intake grid with fixed louvers

GAF: Intake grid with filter and fixed louvers
GM: Flow grid with adjustable louvers.
PA: Intake plenum in galvanised sheet metal, complete with suction couplings for circular-section ducts.
PAF: Intake plenum providing recovery and delivery on the same side, for all installations where the machine needs to be positioned outside the air conditioned rooms to minimise the noise levels and facilitate maintenance.
PM: Delivery plenum with circular flanges. Sandwich structure in hot galvanised steel, with interposed polyurethane foam (40 kg/m3). The panel is 15 mm thick. It is installed in place of the delivery panel with a rectangular flange, using the same 4 self-threading screws.
RD: Straight delivery coupling for canalisation.
RDA: Straight suction coupling for canalisation.
RP: 90° delivery coupling.
RPA: 90° suction coupling.

Accessories for ducting

MZC: Plenum with motorised dampers.
RDA_V: Straight intake connection with rectangular flange.
RPA_V: Suction plenum with rectangular flange; both sides have a circular push-out Ø 150mm that can be removed.
RDA_C: Straight intake connection with circular flanges.
PA_V: Suction plenum with circular plastic flanges; both sides have a circular push-out Ø 150mm that can be removed.
PM_V: Internally insulated delivery plenum with circular flanges; both sides have a circular push-out Ø 150mm that can be removed.
RPM_V: Internally insulated delivery plenum with rectangular flange; both sides have a circular push-out Ø 150mm that can be removed.
RDM_V: Straight delivery coupling in galvanised sheet metal.
RDM_C: Straight discharge internally insulated, with circular flanges.

ACCESSORIES COMPATIBILITY

Control panels

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
AER503IR (1)	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PPC	•			•	•			•	•			•	•			•	•			•
PRO503	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PPC	•			•	•			•	•			•	•			•	•			•
PXAI	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PPC	•			•	•			•	•			•	•			•	•			•
SA5 (2)	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PPC	•			•	•			•	•			•	•			•	•			•
SW3 (2)	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PPC	•			•	•			•	•			•	•			•	•			•
SW5 (2)	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PPC	•			•	•			•	•			•	•			•	•			•
TX (1)	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PPC	•			•	•			•	•			•	•			•	•			•
WMT05	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PPC	•			•	•			•	•			•	•			•	•			•
WMT06	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PPC	•			•	•			•	•			•	•			•	•			•
WMT10	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PPC	•			•	•			•	•			•	•			•	•			•

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
AER503IR (1)	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR	•	•	•	•	•	•	•	•					•	•	•		
	PPC	•			•	•			•	•			•	•		•	•	
PRO503	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR	•	•	•	•	•	•	•	•					•	•	•		
	PPC	•			•	•			•	•			•	•		•	•	
PXAI	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR	•	•	•	•	•	•	•	•					•	•	•		
	PPC	•			•	•			•	•			•	•		•	•	
SA5 (2)	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR	•	•	•	•	•	•	•	•					•	•	•		
	PPC	•			•	•			•	•			•	•		•	•	
SW3 (2)	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR	•	•	•	•	•	•	•	•					•	•	•		
	PPC	•			•	•			•	•			•	•		•	•	
SW5 (2)	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR	•	•	•	•	•	•	•	•					•	•	•		
	PPC	•			•	•			•	•			•	•		•	•	
TX (1)	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR	•	•	•	•	•	•	•	•					•	•	•		
	PPC	•			•	•			•	•			•	•		•	•	
WMT05	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR	•	•	•	•	•	•	•	•					•	•	•		
	PPC	•			•	•			•	•			•	•		•	•	
WMT06	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR	•	•	•	•	•	•	•	•					•	•	•		
	PPC	•			•	•			•	•			•	•		•	•	
WMT10	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR	•	•	•	•	•	•	•	•					•	•	•		
	PPC	•			•	•			•	•			•	•		•	•	

(1) Wall-mount installation.
(2) Probe for AER503IR-TX thermostats, if fitted.

VMF system

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

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

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

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

Water valves

3 way valve kit

	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450
Main coil	VCZ41 VCZ4124	VCZ41 VCZ4124	VCZ41 VCZ4124	VCZ41 VCZ4124	VCZ41 VCZ4124	VCZ41 VCZ4124	VCZ41 VCZ4124	VCZ41 VCZ4124	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224
Secondary coil	-	VCF44 VCZ4424	VCF44 VCZ4424	-	-	VCF44 VCZ4424	VCF44 VCZ4424	-	-	VCF44 VCZ4424	VCF44 VCZ4424	-	-	VCF44 VCZ4424	VCF44 VCZ4424	-
Additional coil "BV"	VCF44 VCZ4424	-	-	-	VCF44 VCZ4424	-	-	-	VCF44 VCZ4424	-	-	-	VCF44 VCZ4424	-	-	-

	500	501	502	550	600	601	602	650	700	701	702	750	800	801	802	850
Main coil	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224
Secondary coil	-	VCF44 VCZ4424	VCF44 VCZ4424	-	-	VCF44 VCZ4424	VCF44 VCZ4424	-	-	VCF44 VCZ4424	VCF44 VCZ4424	-	-	VCF44 VCZ4424	VCF44 VCZ4424	-
Additional coil "BV"	VCF44 VCZ4424	-	-	-	VCF44 VCZ4424	-	-	-	VCF44 VCZ4424	-	-	-	VCF44 VCZ4424	-	-	-

	900	901	950	1000	1001
Main coil	VCZ43 VCZ4324	VCZ43 VCZ4324	VCZ43 VCZ4324	VCZ43 VCZ4324	VCZ43 VCZ4324
Secondary coil	-	VCF45 VCZ4524	-	-	VCF45 VCZ4524
Additional coil "BV"	VCF45 VCZ4524	-	-	VCF45 VCZ4524	-

2 way valve kit

	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450
Main coil	VCZD1 VCZD124	VCZD1 VCZD124	VCZD1 VCZD124	VCZD1 VCZD124	VCZD1 VCZD124	VCZD1 VCZD124	VCZD1 VCZD124	VCZD1 VCZD124	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224
Secondary coil	-	VCFD4 VCZD424	VCFD4 VCZD424	-	-	VCFD4 VCZD424	VCFD4 VCZD424	-	-	VCFD4 VCZD424	VCFD4 VCZD424	-	-	VCFD4 VCZD424	VCFD4 VCZD424	-
Additional coil "BV"	VCFD4 VCZD424	-	-	-	VCFD4 VCZD424	-	-	-	VCFD4 VCZD424	-	-	-	VCFD4 VCZD424	-	-	-

	500	501	502	550	600	601	602	650	700	701	702	750	800	801	802	850
Main coil	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224
Secondary coil	-	VCFD4 VCZD424	VCFD4 VCZD424	-	-	VCFD4 VCZD424	VCFD4 VCZD424	-	-	VCFD4 VCZD424	VCFD4 VCZD424	-	-	VCFD4 VCZD424	VCFD4 VCZD424	-
Additional coil "BV"	VCFD4 VCZD424	-	-	-	VCFD4 VCZD424	-	-	-	VCFD4 VCZD424	-	-	-	VCFD4 VCZD424	-	-	-

	900	901	950	1000	1001
Main coil	VCZD3 VCZD324	VCZD3 VCZD324	VCZD3 VCZD324	VCZD3 VCZD324	VCZD3 VCZD324
Secondary coil	-	VCFD4 VCZD424	-	-	VCFD4 VCZD424
Additional coil "BV"	VCFD4 VCZD424	-	-	VCFD4 VCZD424	-

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

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

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

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

(Heating only) additional coil

Heating only additional coil

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
BV117 (1)	P,PPC,PR	•																			
BV122 (1)	P,PO,POR,PPC,PR					•															
BV132 (1)	P,PO,POR,PPC,PR									•											
BV142 (1)	P,PO,POR,PPC,PR													•				•			

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
BV162 (1)	P,PPC,PR													•			•	
	PO,POR													•				
BVZ800 (1)	P,PPC,PR	•				•				•								
	PO,POR	•				•												

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

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

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500
RX17 (1)	P,PPC,PR	•																
RX22 (1)	P,PO,POR,PPC,PR					•												
RX32 (1)	P,PO,POR,PPC,PR									•								
RX42 (1)	P,PO,POR,PPC,PR													•				
RX52 (1)	P,PO,POR,PPC,PR																	•

Model	Ver	501	502	550	600	601	602	650	700	701	702	750	800	801	802	850	900	901
RX62 (1)	P,PO,POR,PPC,PR																•	
RXZ800 (1)	P,PPC,PR				•				•				•					
	PO,POR				•				•									

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

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

Installation accessories

Wall mounting kit

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
AMP20	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PPC	•			•	•			•	•			•	•			•	•			•

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

Condensate drip

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
BCZ4 (1)	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PPC	•			•	•			•	•			•	•			•	•			•
BCZ5 (2)	P		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PPC	•			•	•			•	•			•	•			•	•			•
	PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
BCZ4 (1)	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR	•	•	•	•	•	•	•	•					•	•	•		
	PPC	•			•	•			•	•			•	•		•	•	
BCZ5 (2)	P,PR	•	•	•	•	•	•	•	•	•	•	•	•					
	PO,POR	•	•	•	•	•	•	•	•									
	PPC	•			•	•			•	•			•					
BCZ6 (2)	P,PR													•	•	•	•	•
	PO,POR													•	•	•		
	PPC													•		•	•	

(1) For vertical installation.
(2) For horizontal installation.

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
BC8 (1)	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PPC	•			•	•			•	•			•	•			•	•			•

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
BC8 (1)	P,PR	•	•	•	•	•	•	•	•	•	•	•	•					
	PO,POR	•	•	•	•	•	•	•	•									
	PPC	•			•	•			•	•			•					
BC9 (1)	P,PR													•	•	•	•	•
	PO,POR													•	•	•		
	PPC													•		•	•	

(1) For horizontal installation.

Condensate recirculation device

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
DSCZ4 (1)	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PPC	•			•	•			•	•			•	•			•	•			•

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
DSCZ4 (1)	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR	•	•	•	•	•	•	•	•					•	•	•		
	PPC	•			•	•			•	•			•	•		•	•	

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

Ventilcassaforma

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

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

Wall mounting and duct type installation accessories

Lower intake grille

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

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

Intake grilles with fixed fins and filter

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

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

Delivery grilles with adjustable fins

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

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

Intake plenum in sheet metal complete with connectors for circular channels

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

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

Intake plenum providing recovery and delivery on the same side

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

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

Delivery plenum with circular flanges.

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
PM17	P,PR	•	•	•	•																
	PPC	•			•																
PM22	P,PO,POR,PR					•	•	•	•												
	PPC					•			•												
PM32	P,PO,POR,PR									•	•	•	•								
	PPC									•			•								
PM42	P,PO,POR,PR													•	•	•	•	•	•	•	•
	PPC													•			•	•			•

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
PM62	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR	•	•	•	•	•	•	•	•					•	•	•		
	PPC	•			•	•			•	•			•	•		•	•	

Straight delivery coupling

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
RD17	P,PR	•	•	•	•																
	PPC	•			•																
RD22	P,PO,POR,PR					•	•	•	•												
	PPC					•			•												
RD32	P,PO,POR,PR									•	•	•	•								
	PPC									•			•								
RD42	P,PO,POR,PR													•	•	•	•	•	•	•	•
	PPC													•			•	•			•

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
RD62	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PO,POR	•	•	•	•	•	•	•	•					•	•	•		
	PPC	•			•	•			•	•			•	•		•	•	

Straight suction coupling

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

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

90° delivery coupling.

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

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

90° suction coupling.

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

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

Accessories for ducting

Plenum with motorised dampers.

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

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

Straight intake connection with rectangular flange.

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

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

Intake plenum with rectangular flange.

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

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

Suction plenum with plastic circular flanges.

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

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

Internally insulated delivery plenum with circular flanges.

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

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

Internally insulated delivery plenum with rectangular flange.

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

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

Straight delivery coupling in galvanised sheet metal.

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
RDM000V	P0,P0R					•	•	•	•												
RDM100V	P0,P0R									•	•	•	•								
RDM200V	P0,P0R													•	•	•	•	•	•	•	•

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
RDM300V	P0,P0R	•	•	•	•	•	•	•	•					•	•	•		

Straight discharge internally insulated, with circular flanges.

Model	Ver	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
RDMC000V	P0,P0R					•	•	•	•												
RDMC100V	P0,P0R									•	•	•	•								
RDMC200V	P0,P0R													•	•	•	•	•	•	•	•

Model	Ver	600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001
RDMC300V	P0,P0R	•	•	•	•	•	•	•	•					•	•	•		

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

2-pipe

		FCZ100P			FCZ150P			FCZ200P			FCZ250P			FCZ300P			FCZ350P			FCZ400P			FCZ450P			FCZ500P			FCZ550P		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 70 °C / 60 °C (1)																															
Heating capacity	kW	1,45	2,00	2,40	1,55	2,19	2,65	2,02	2,95	3,70	2,20	3,18	4,05	3,47	4,46	5,50	3,77	4,92	6,15	4,32	5,74	7,15	4,57	6,29	7,82	5,27	7,31	8,50	5,82	8,34	9,75
Water flow rate system side	l/h	125	172	206	136	192	232	177	258	324	193	278	355	304	391	482	330	431	539	379	503	627	400	551	685	462	641	745	510	731	855
Pressure drop system side	kPa	4	7	9	5	9	12	6	12	18	7	15	23	7	12	18	8	14	20	9	16	24	6	11	16	12	21	28	10	20	26
Heating performance 45 °C / 40 °C (2)																															
Heating capacity	kW	0,72	0,99	1,19	0,77	1,09	1,31	1,00	1,46	1,84	1,09	1,58	2,01	1,72	2,21	2,73	1,87	2,44	3,06	2,14	2,85	3,55	2,27	3,12	3,88	2,62	3,63	4,22	2,89	4,14	4,85
Water flow rate system side	l/h	126	173	207	134	189	229	174	254	319	190	274	350	299	385	475	325	425	531	373	495	617	394	543	675	455	631	734	502	720	842
Pressure drop system side	kPa	4	7	10	5	9	12	6	12	18	8	15	22	8	12	18	8	14	20	10	16	24	6	11	16	12	21	28	10	20	26
Cooling performance 7 °C / 12 °C (3)																															
Cooling capacity	kW	0,65	0,84	1,00	0,65	0,84	1,00	0,89	1,28	1,60	1,06	1,55	1,94	1,68	2,17	2,65	1,89	2,46	3,02	2,20	2,92	3,60	2,41	3,21	4,03	2,68	3,69	4,25	2,91	4,13	4,79
Sensible cooling capacity	kW	0,51	0,69	0,83	0,51	0,69	0,83	0,71	1,05	1,33	0,79	1,20	1,52	1,26	1,65	2,04	1,33	1,76	2,18	1,59	2,14	2,67	1,69	2,30	2,90	1,94	2,73	3,18	2,07	2,98	3,49
Water flow rate system side	l/h	112	144	172	112	144	172	153	221	275	182	267	334	288	374	456	350	460	560	379	503	619	414	552	694	460	634	731	501	711	824
Pressure drop system side	kPa	4	6	8	4	6	8	6	12	18	8	17	25	8	13	18	11	18	25	10	16	24	9	15	22	13	22	29	12	22	28
Fan																															
Type	type	Centrifugal																													
Fan motor	type	Asynchronous																													
Number	no.	1			1			1			1			2			2			2			2			2			2		
Air flow rate	m³/h	110	160	200	110	160	200	140	220	290	140	220	290	260	350	450	260	350	450	330	460	600	330	460	600	400	600	720	400	600	720
Input power	W	19	29	35	19	29	35	25	29	33	25	29	33	25	33	44	25	33	44	30	43	57	30	43	57	38	52	76	38	52	76
Electrical wiring		V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3
Fan coil sound data (4)																															
Sound power level	dB(A)	31,0	38,0	45,0	31,0	38,0	45,0	35,0	46,0	51,0	35,0	46,0	51,0	34,0	41,0	48,0	34,0	41,0	48,0	37,0	44,0	51,0	37,0	44,0	51,0	42,0	51,0	56,0	42,0	51,0	56,0
Sound pressure	dB(A)	23,0	30,0	37,0	23,0	30,0	37,0	27,0	38,0	43,0	27,0	38,0	43,0	26,0	33,0	40,0	26,0	33,0	40,0	29,0	36,0	43,0	29,0	36,0	43,0	34,0	43,0	48,0	34,0	43,0	48,0
Water coil																															
Water content main coil	l	0,4			0,5			0,5			0,7			0,8			1,0			1,0			1,4			1,0			1,4		
Diametre hydraulic ÿ ttings																															
Main coil	Ø	1/2"			1/2"			1/2"			1/2"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"		

		FCZ600P			FCZ650P			FCZ700P			FCZ750P			FCZ800P			FCZ850P			FCZ900P			FCZ950P			FCZ1000P		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 70 °C / 60 °C (1)																												
Heating capacity	kW	6,50	8,10	10,00	7,19	9,15	11,50	8,10	9,80	11,00	9,10	11,30	12,50	9,80	10,80	12,00	11,30	12,35	14,00	10,77	13,35	15,14	11,20	14,42	17,10	12,53	15,24	17,02
Water flow rate system side	l/h	570	710	877	631	802	1008	710	860	964	798	991	1096	859	947	1052	991	1083	1227	945	1171	1328	982	1264	1500	1101	1337	1493
Pressure drop system side	kPa	12	18	26	14	21	31	17	24	29	10	15	18	22	27	32	17	20	25	12	17	22	16	24	33	22	32	38
Heating performance 45 °C / 40 °C (2)																												
Heating capacity	kW	3,32	4,03	4,97	3,57	4,55	5,72	4,03	4,87	5,47	4,52	5,62	6,21	4,87	5,37	5,97	5,62	6,14	6,96	5,35	6,64	7,53	5,57	7,17	8,50	6,24	7,58	8,46
Water flow rate system side	l/h	561	699	863	621	790	993	699	846	950	786	975	1079	846	932	1036	975	1066	1209	930	1152	1307	967	1245	1476	1084	1316	1469
Pressure drop system side	kPa	12	18	26	14	20	31	16	24	29	10	14	18	22	26	32	17	20	25	12	17	22	15	24	33	22	31	38
Cooling performance 7 °C / 12 °C (3)																												
Cooling capacity	kW	3,22	3,90	4,65	3,95	4,80	5,67	3,92	4,89	5,50	4,27	5,34	6,14	4,84	5,66	6,10	5,26	6,29	6,91	4,29	5,00	6,91	5,77	7,32	8,60	5,69	6,88	7,62
Sensible cooling capacity	kW	2,56	3,17	3,92	2,78	3,43	4,12	2,99	3,76	4,30	3,20	4,05	4,72	3,72	4,42	4,83	4,00	4,83	5,36	2,97	3,78	5,68	3,80	4,87	5,78	4,42	5,34	5,53
Water flow rate system side	l/h	554	671	800	595	825	975	675	841	946	734	918	1056	833	974	1049	904	1082	1189	738	860	1189	992	1259	1479	979	1183	1311
Pressure drop system side	kPa	14	19	26	15	21	28	16	24	30	10	14	18	20	26	30	14	20	23	10	12	22	15	22	30	22	31	36
Fan																												
Type	type	Centrifugal																										
Fan motor	type	Asynchronous																										
Number	no.	3			3			3			3			3			3			3			3			3		
Air flow rate	m³/h	520	720	920	520	720	920	700	930	1140	700	930	1140	900	1120	1300	900	1120	1300	700	930	1140	700	930	1140	900	1120	1300
Input power	W	38	60	91	38	60	91	59	80	106	59	80	106	80	100	131	80	100	131	59	80	106	59	80	106	80	100	131
Electrical wiring		V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3
Fan coil sound data (4)																												
Sound power level	dB(A)	42,0	51,0	57,0	42,0	51,0	57,0	50,0	57,0	62,0	50,0	57,0	62,0	56,0	61,0	66,0	56,0	61,0	66,0	51,0	57,0	62,0	51,0	57,0	62,0	56,0	61,0	66,0
Sound pressure	dB(A)	34,0	43,0	49,0	34,0	43,0	49,0	42,0	49,0	54,0	42,0	49,0	54,0	48,0	53,0	58,0	48,0	53,0	58,0	43,0	49,0	54,0	43,0	49,0	54,0	48,0	53,0	58,0
Water coil																												
Water content main coil	l	1,2			1,6			1,2			1,6			1,2			1,6			1,8			2,3			1,8		
Diametre hydraulic ÿ ttings																												
Main coil	Ø	3/4"																										

(1) Room air temperature 20 °C d.b.; Water (in/out) 70 °C/60 °C
(2) Room air temperature 20°C d.b.; Water (in/out) 45°C/40°C; EUROVENT
(3) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT
(4) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583:15, respecting the Eurovent certification.

4-pipe

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

(1) Room air temperature 20°C d.b.; Water (in/out) 65 °C/55 °C; EUROVENT
(2) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT
(3) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583:15, respecting the Eurovent certification.

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

2-pipe

		FCZ200P0			FCZ250P0			FCZ300P0			FCZ350P0			FCZ400P0			FCZ450P0			FCZ500P0			FCZ550P0		
		2	4	6	2	4	6	1	4	6	1	4	6	1	3	6	1	3	6	1	5	6	1	5	6
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 70 °C / 60 °C (1)																									
Heating capacity	kW	2,11	3,00	3,32	2,29	3,24	3,60	3,50	5,03	5,45	3,80	5,59	6,10	4,49	6,02	6,74	4,79	6,62	7,40	5,27	7,22	7,59	5,81	8,25	8,67
Water flow rate system side	l/h	182	258	285	197	279	310	301	433	469	327	481	524	386	517	580	412	569	637	453	621	652	500	709	746
Pressure drop system side	kPa	7	12	15	9	16	19	8	15	18	9	18	21	11	18	22	7	12	15	12	21	23	10	19	21
Heating performance 45 °C / 40 °C (2)																									
Heating capacity	kW	1,05	1,49	1,65	1,14	1,61	1,79	1,74	2,50	2,71	1,89	2,78	3,03	2,23	2,99	3,35	2,38	3,29	3,68	2,62	3,59	3,77	2,89	4,10	4,31
Water flow rate system side	l/h	160	224	248	196	277	308	299	430	466	325	478	521	383	514	576	409	566	633	451	617	648	497	705	741
Pressure drop system side	kPa	7	12	15	9	16	19	8	15	18	9	18	21	11	18	22	7	12	15	12	21	23	10	19	21
Cooling performance 7 °C / 12 °C (3)																									
Cooling capacity	kW	0,93	1,30	1,44	1,11	1,59	1,74	1,70	2,40	2,63	1,91	2,77	3,00	2,29	3,06	3,41	2,51	3,37	3,79	2,68	3,65	3,82	2,91	4,08	4,28
Sensible cooling capacity	kW	0,74	1,14	1,18	0,83	1,23	1,36	1,27	1,86	2,03	1,34	1,99	2,16	1,66	2,24	2,52	1,76	2,42	2,73	1,94	2,70	2,83	2,07	2,94	3,09
Water flow rate system side	l/h	160	224	248	191	273	299	292	413	452	328	476	516	394	526	586	432	580	652	461	628	657	500	702	736
Pressure drop system side	kPa	8	13	15	9	18	21	8	16	18	11	22	25	11	18	22	11	16	20	13	22	24	12	21	23
Fan																									
Type	type	Centrifugal																							
Fan motor	type	Asynchronous																							
Number	no.	1			1			2			2			2			2			2			2		
Air flow rate	m³/h	148	226	254	148	226	254	263	404	446	263	404	446	346	487	559	346	487	559	400	592	627	400	592	627
High static pressure	Pa	21	50	63	21	50	63	21	50	61	21	50	61	25	50	66	25	50	66	22	50	56	22	50	56
Input power	W	28	41	74	28	41	74	38	55	78	38	55	78	53	63	102	53	63	102	49	80	627	49	80	627
Electrical wiring		V2	V4	V6	V2	V4	V6	V1	V4	V6	V1	V4	V6	V1	V3	V6	V1	V3	V6	V1	V5	V6	V1	V5	V6
Duct type fan coil sound data (4)																									
Sound power level (inlet + radiated)	dB(A)	41,0	56,0	59,0	41,0	56,0	59,0	39,0	51,0	54,0	39,0	51,0	54,0	44,0	54,0	55,0	44,0	54,0	55,0	45,0	55,0	57,0	45,0	55,0	57,0
Sound power level (outlet)	dB(A)	37,0	52,0	55,0	37,0	52,0	55,0	35,0	47,0	49,0	35,0	47,0	49,0	40,0	50,0	52,0	40,0	50,0	52,0	41,0	51,0	53,0	41,0	51,0	53,0
Water coil																									
Water content main coil	l	0,5			0,7			0,8			1,0			1,0			1,4			1,0			1,4		
Diametre hydraulic ÿ ttings																									
Main coil	Ø	1/2"			1/2"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"		

		FCZ600P0			FCZ650P0			FCZ700P0			FCZ750P0			FCZ900P0			FCZ950P0		
		1	4	7	1	4	7	2	5	7	2	5	7	2	5	7	2	5	7
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 70 °C / 60 °C (1)																			
Heating capacity	kW	6,86	8,55	10,00	7,63	9,72	11,51	8,77	10,10	10,52	10,02	11,65	12,09	11,81	13,80	14,45	12,43	15,07	16,00
Water flow rate system side	l/h	590	735	860	656	836	990	754	868	905	862	1002	1040	1016	1187	1242	1069	1296	1375
Pressure drop system side	kPa	12	20	26	15	23	31	19	25	27	12	15	16	14	18	20	19	26	29
Heating performance 45 °C / 40 °C (2)																			
Heating capacity	kW	3,41	4,25	4,97	3,79	4,83	5,72	4,36	5,02	5,23	4,98	5,79	6,01	5,87	6,86	7,18	6,18	7,49	7,95
Water flow rate system side	l/h	586	731	855	652	831	984	750	863	899	856	996	1034	1009	1180	1235	1063	1288	1367
Pressure drop system side	kPa	13	20	26	15	23	31	19	25	27	12	15	16	14	18	20	19	26	29
Cooling performance 7 °C / 12 °C (3)																			
Cooling capacity	kW	3,37	4,08	4,65	4,15	5,02	5,67	4,24	4,97	5,18	4,69	5,53	5,80	4,38	5,33	5,95	6,35	7,62	8,07
Sensible cooling capacity	kW	2,70	3,34	3,92	2,93	3,60	4,12	3,24	3,83	4,02	3,53	4,20	4,41	3,11	4,11	4,73	4,20	5,08	5,40
Water flow rate system side	l/h	580	702	800	580	702	800	729	855	28	807	951	997	753	917	1023	1092	1310	1388
Pressure drop system side	kPa	15	21	26	16	23	28	20	26	28	12	16	17	10	14	17	18	24	27
Fan																			
Type	type	Centrifugal																	
Fan motor	type	Asynchronous																	
Number	no.	3			3			3			3			3			3		
Air flow rate	m³/h	567	770	920	567	770	920	785	978	1050	785	978	1050	785	978	1050	785	978	1050
High static pressure	Pa	27	50	71	27	50	71	32	50	58	32	50	58	32	50	58	32	50	58
Input power	W	66	89	118	66	89	118	92	117	138	92	117	138	92	117	138	92	117	138
Electrical wiring		V1	V4	V7	V1	V4	V7	V2	V5	V7	V2	V5	V7	V2	V5	V7	V2	V5	V7
Duct type fan coil sound data (4)																			
Sound power level (inlet + radiated)	dB(A)	46,0	56,0	61,0	46,0	56,0	61,0	54,0	60,0	62,0	54,0	60,0	62,0	54,0	60,0	62,0	54,0	60,0	62,0
Sound power level (outlet)	dB(A)	44,0	54,0	60,0	44,0	54,0	60,0	52,0	59,0	61,0	52,0	59,0	61,0	52,0	59,0	61,0	52,0	59,0	61,0
Water coil																			
Water content main coil	l	1,2			1,6			1,2			1,6			1,8			2,3		
Diametre hydraulic ÿ ttings																			
Main coil	Ø	3/4"																	

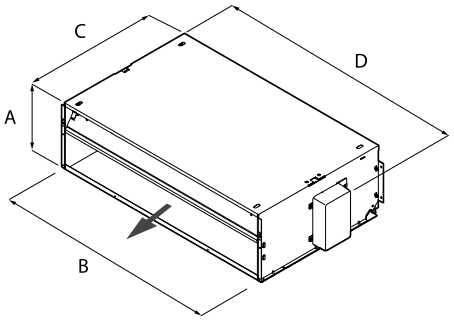
(1) Room air temperature 20 °C d.b.; Water (in/out) 70 °C/60 °C
(2) Room air temperature 20°C d.b.; Water (in/out) 45°C/40°C; EUROVENT
(3) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT
(4) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583:15, respecting the Eurovent certification.

4-pipe

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

(1) Room air temperature 20°C d.b.; Water (in/out) 65 °C/55 °C; EUROVENT
(2) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT
(3) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583:15, respecting the Eurovent certification.

DIMENSIONS



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

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

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

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

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FCZI P

Fan coil unit for ducted installations

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

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

DESCRIPTION

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

FEATURES

Ventilation group

Centrifugal fans in anti-static plastic material with aerofoil profile designed to achieve high airflows and pressures whilst at the same time producing low noise.
Their characteristics permit energy savings compared to conventional fans.
They are statically and dynamically balanced and directly coupled to the motor shaft.
The Brushless electric motor with 0-100% continuous speed variation, which allows precise adaptation to the real demands of the internal environment without temperature fluctuations.

Heat exchanger coil

With copper pipes and aluminium fins, the standard or oversized main coil and the possible secondary coil have female gas water connections on the left side and the manifolds have air vents.
The coil is not suitable for use in corrosive atmosphere or in environments where aluminium may be subject to corrosion.
Reversibility of the water connections during installation only for units with a standard or boosted main coil, or standard with BV accessory. Not reversible in all other configurations. In any case, units with the coil water connections on the right are available at the time of ordering.

Condensate drip

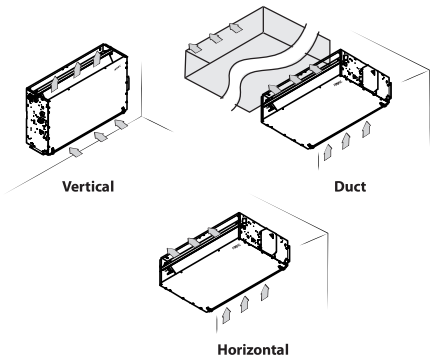
Provided standard in plastic and fixed to the interior structure; with external condensate discharge.

Air filter

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

VERSIONS

Flush-mounting and duct-type versions



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

GUIDE TO SELECTING THE POSSIBLE CONFIGURATIONS

Field	Description
1,2,3,4	FCZI
5	Size 2, 3, 4, 5, 7, 9
6	Main coil
0	Standard
5	Oversized
7	Secondary coil
0	Without coil
1	Standard
2	Oversized
8	Version
P	Flush-mounting, without cabinet
PR	Flush-mounting, without cabinet, with water connections on right-hand side

SIZE AVAILABLE FOR VERSION

Size		200	201	202	250	300	301	302	350	400	401	402	450
Versions produced (by size)													
Versions available (by size)	P,PR	•	•	•	•	•	•	•	•	•	•	•	•

Size		500	501	502	550	700	701	702	750	900	901	950
Versions produced (by size)												
Versions available (by size)	P,PR	•	•	•	•	•	•	•	•	•	•	•

ACCESSORIES

Control panels

AER503IR: Flush-mounting thermostat with backlit display, capacitive keypad and infrared receiver, for controlling both brushless fan coils and those with an asynchronous motor. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices (Cold Plasma and germicidal lamp), with radiant plate or with FCZ-D twin delivery (Dualjet). In addition, it can control systems with radiant panels or mixed (fan coil and radiant floor) systems. Being equipped with an infrared receiver, it can, in turn, be controlled by the VMF-IR remote control.
PRO503: Wall box for AER503IR and VMF-E4 thermostats.
PXAI: Thermostat on the machine for controlling the fan coils (both with asynchronous and brushless motors), complete with water and air probes to be positioned in the relative seats, and a plastic support to fix it on the side of the unit. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, purifier devices (Cold Plasma and germicidal lamp), or radiant plate.
SA5: air probe kit (L = 15 m) with probe-locking cable grommet.
SW3: Water probe (L = 2.5 m) for controlling the minimum and maximum and to allow automatic seasonal switching for electronic thermostats fitted with water side changeover.
SW5: water probe kit (L = 15m) with probe-holder connection point, fixing clip and probe-holder from heat exchanger.
TX: Wall-mounting thermostat for controlling either brushless fan coils or those with asynchronous motors. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices, radiant plate or FCZ-D twin delivery (Dualjet).

VMF system

VMF-E19I: Thermostat for inverter unit to be fixed on the side of the fan coil, fitted as standard with an air and water probe.
VMF-E3: Wall mounted user interface, to be combined with accessories VMF-E19, VMF-E19I, VMF-E0X with grids GLF_N/M and GLL_N, can be controlled with VMF-IR control.
VMF-E4DX: Wall-mounted user interface. Grey front panel PANTONE 425C (METAL).
VMF-E4X: Wall-mounted user interface. Light grey front panel PANTONE COOL GRAY 1C.
VMF-IR: User interface compatible with the AER503IR thermostat and with all the grids of cassettes equipped with the infrared receiver compatible with the VMF system.
VMF-SW: Water temperature probe.
VMF-SW1: Extra water probe to be used for 4-pipe systems.

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.

(Heating only) additional coil

BV: Single row hot water heat exchanger.

Installation accessories

AMP: Wall mounting kit
DSC: Condensate drainage device.
BC: Condensate drip.
BCZ: Condensate drip.
Ventilcassaforma: Galvanised sheet metal template. It makes it possible to obtain directly in the wall a space for housing the fan coil.
GA: Intake grid with fixed louvers
GAF: Intake grid with filter and fixed louvers
GM: Flow grid with adjustable louvers.
PA: Intake plenum in galvanised sheet metal, complete with suction couplings for circular-section ducts.
PAF: Intake plenum providing recovery and delivery on the same side, for all installations where the machine needs to be positioned outside the air conditioned rooms to minimise the noise levels and facilitate maintenance.
PM: Delivery plenum with circular flanges. Sandwich structure in hot galvanised steel, with interposed polyurethane foam (40 kg/m3). The panel is 15 mm thick. It is installed in place of the delivery panel with a rectangular flange, using the same 4 self-threading screws.
RD: Straight delivery coupling for canalisation.
RDA: Straight suction coupling for canalisation.
RP: 90° delivery coupling.
RPA: 90° suction coupling.

Accessories for ducting

MZC: Plenum with motorised dampers.
RDA_V: Straight intake connection with rectangular flange.
RPA_V: Suction plenum with rectangular flange; both sides have a circular push-out Ø 150mm that can be removed.
RDA_C: Straight intake connection with circular flanges.
PA_V: Suction plenum with circular plastic flanges; both sides have a circular push-out Ø 150mm that can be removed.
PM_V: Internally insulated delivery plenum with circular flanges; both sides have a circular push-out Ø 150mm that can be removed.
RPM_V: Internally insulated delivery plenum with rectangular flange; both sides have a circular push-out Ø 150mm that can be removed.
RDM_V: Straight delivery coupling in galvanised sheet metal.
RDM_C: Straight discharge internally insulated, with circular flanges.

ACCESSORIES COMPATIBILITY

Control panels

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	700	701	702	750	900	901	950
AER503IR (1)	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PRO503	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PXAI	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SA5 (2)	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SW3 (2)	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SW5 (2)	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
TX (1)	P,PR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

(1) Wall-mount installation.
(2) Probe for AER503IR-TX thermostats, if fitted.

VMF system

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

VMF system

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

Water valves

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

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

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

3 way valve kit

	200	201	202	250	300	301	302	350	400	401	402	450
Main coil	VCZ41 VCZ4124	VCZ41 VCZ4124	VCZ41 VCZ4124	VCZ41 VCZ4124	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224
Secondary coil	-	VCF44 VCZ4424	VCF44 VCZ4424	-	-	VCF44 VCZ4424	VCF44 VCZ4424	-	-	VCF44 VCZ4424	VCF44 VCZ4424	-
Additional coil "BV"	VCF44 VCZ4424	-	-	-	VCF44 VCZ4424	-	-	-	VCF44 VCZ4424	-	-	-

	500	501	502	550	700	701	702	750	900	901	950
Main coil	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ43 VCZ4324	VCZ43 VCZ4324	VCZ43 VCZ4324
Secondary coil	-	VCF44 VCZ4424	VCF44 VCZ4424	-	-	VCF44 VCZ4424	VCF44 VCZ4424	-	-	VCF45 VCZ4524	-
Additional coil "BV"	VCF44 VCZ4424	-	-	-	VCF44 VCZ4424	-	-	-	VCF45 VCZ4524	-	-

2 way valve kit

	200	201	202	250	300	301	302	350	400	401	402	450
Main coil	VCZD1 VCZD124	VCZD1 VCZD124	VCZD1 VCZD124	VCZD1 VCZD124	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224
Secondary coil	-	VCFD4 VCZD424	VCFD4 VCZD424	-	-	VCFD4 VCZD424	VCFD4 VCZD424	-	-	VCFD4 VCZD424	VCFD4 VCZD424	-
Additional coil "BV"	VCFD4 VCZD424	-	-	-	VCFD4 VCZD424	-	-	-	VCFD4 VCZD424	-	-	-

	500	501	502	550	700	701	702	750	900	901	950
Main coil	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD3 VCZD324	VCZD3 VCZD324	VCZD3 VCZD324
Secondary coil	-	VCFD4 VCZD424	VCFD4 VCZD424	-	-	VCFD4 VCZD424	VCFD4 VCZD424	-	-	VCFD4 VCZD424	-
Additional coil "BV"	VCFD4 VCZD424	-	-	-	VCFD4 VCZD424	-	-	-	VCFD4 VCZD424	-	-

(Heating only) additional coil

Heating only additional coil

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

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

Installation accessories

Wall mounting kit

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

Condensate drip

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

(1) For vertical installation.
(2) For horizontal installation.

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

(1) For horizontal installation.

Condensate recirculation device

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

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

Ventilcassaforma

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

Wall mounting and duct type installation accessories

Lower intake grille

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

Intake grilles with fixed fins and filter

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

Delivery grilles with adjustable fins

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

Intake plenum in sheet metal complete with connectors for circular channels

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

Intake plenum providing recovery and delivery on the same side

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

Delivery plenum with circular flanges.

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

Straight delivery coupling

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

Straight suction coupling

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

90° delivery coupling.

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

90° suction coupling.

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

Accessories for ducting

Plenum with motorised dampers.

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

Straight intake connection with rectangular flange.

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

Intake plenum with rectangular flange.

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

Suction plenum with plastic circular flanges.

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

Internally insulated delivery plenum with circular flanges.

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

Internally insulated delivery plenum with rectangular flange.

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

Straight delivery coupling in galvanised sheet metal.

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

Straight discharge internally insulated, with circular flanges.

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

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

2-pipe

		FCZI200P			FCZI250P			FCZI300P			FCZI350P			FCZI400P			FCZI450P		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 70 °C / 60 °C (1)																			
Heating capacity	kW	2,02	2,95	3,70	2,20	3,18	4,05	3,47	4,46	5,50	3,77	4,92	6,15	4,32	5,74	7,15	4,57	6,29	7,82
Water flow rate system side	l/h	177	258	324	193	278	355	304	391	482	330	431	539	379	503	627	400	551	685
Pressure drop system side	kPa	6	12	18	7	15	23	7	12	18	8	14	20	9	16	24	6	11	16
Heating performance 45 °C / 40 °C (2)																			
Heating capacity	kW	1,00	1,46	1,84	1,09	1,58	2,01	1,72	2,21	2,73	1,87	2,44	3,06	2,14	2,85	3,55	2,27	3,12	3,88
Water flow rate system side	l/h	174	254	319	190	274	350	299	385	475	325	425	531	373	495	617	394	543	675
Pressure drop system side	kPa	6	12	18	8	15	22	8	12	18	8	14	20	10	16	24	6	11	16
Cooling performance 7 °C / 12 °C (3)																			
Cooling capacity	kW	0,89	1,28	1,60	1,06	1,55	1,94	1,68	2,17	2,65	1,89	2,46	3,02	2,20	2,92	3,60	2,41	3,21	4,03
Sensible cooling capacity	kW	0,71	1,05	1,33	0,79	1,20	1,52	1,26	1,65	2,04	1,33	1,76	2,18	1,59	2,14	2,67	1,69	2,30	2,90
Water flow rate system side	l/h	153	221	275	182	267	334	288	374	456	350	460	560	379	503	619	414	552	694
Pressure drop system side	kPa	6	12	18	8	17	25	8	13	18	11	18	25	10	16	24	9	15	22
Fan																			
Type	type	Centrifugal																	
Fan motor	type	Inverter																	
Number	no.		1			1			2			2			2			2	
Air flow rate	m^3/h	140	220	290	140	220	290	260	350	450	260	350	450	330	460	600	330	460	600
Input power	W	7	8	14	7	8	14	5	7	13	5	7	13	5	10	18	5	10	18
Signal 0-10V	%	44	68	90	44	68	90	52	70	90	52	70	90	49	68	90	49	68	90
Fan coil sound data (4)																			
Sound power level	dB(A)	35,0	46,0	51,0	35,0	46,0	51,0	34,0	41,0	48,0	34,0	41,0	48,0	37,0	44,0	51,0	37,0	44,0	51,0
Sound pressure	dB(A)	27,0	38,0	43,0	27,0	38,0	43,0	26,0	33,0	40,0	26,0	33,0	40,0	29,0	36,0	43,0	29,0	36,0	43,0
Water coil																			
Water content main coil	l		0,5			0,7			0,8			1,0			1,0			1,4	
Diametre hydraulic ÿ ttings																			
Main coil	Ø		1/2"			1/2"			3/4"			3/4"			3/4"			3/4"	

		FCZI500P			FCZI550P			FCZI700P			FCZI750P			FCZI900P			FCZI950P		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 70 °C / 60 °C (1)																			
Heating capacity	kW	5,27	7,31	8,50	5,82	8,34	9,75	8,10	9,80	11,00	9,10	11,30	12,50	10,77	13,35	15,14	11,20	14,42	17,10
Water flow rate system side	l/h	462	641	745	510	731	855	710	860	964	798	991	1096	945	1171	1328	982	1264	1500
Pressure drop system side	kPa	12	21	28	10	20	26	17	24	29	10	15	18	12	17	22	16	24	33
Heating performance 45 °C / 40 °C (2)																			
Heating capacity	kW	2,62	3,63	4,22	2,89	4,14	4,85	4,03	4,87	5,47	4,52	5,62	6,21	5,35	6,64	7,53	5,57	7,17	8,50
Water flow rate system side	l/h	455	631	734	502	720	842	699	846	950	786	975	1079	930	1152	1307	967	1245	1476
Pressure drop system side	kPa	12	21	28	10	20	26	16	24	29	10	14	18	12	17	22	15	24	33
Cooling performance 7 °C / 12 °C (3)																			
Cooling capacity	kW	2,68	3,69	4,25	2,91	4,13	4,79	3,92	4,89	5,50	4,27	5,34	6,14	4,29	5,00	6,91	5,77	7,32	8,60
Sensible cooling capacity	kW	1,94	2,73	3,18	2,07	2,98	3,49	2,99	3,76	4,30	3,20	4,05	4,72	2,97	3,78	5,68	3,80	4,87	5,78
Water flow rate system side	l/h	460	634	731	501	711	824	675	841	946	734	918	1056	738	860	1189	992	1259	1479
Pressure drop system side	kPa	13	22	29	12	22	28	16	24	30	10	14	18	10	12	22	15	22	30
Fan																			
Type	type	Centrifugal																	
Fan motor	type	Inverter																	
Number	no.		2			2			3			3			3			3	
Air flow rate	m^3/h	400	600	720	400	600	720	700	930	1140	700	930	1140	700	930	1140	700	930	1140
Input power	W	7	18	31	4	10	19	30	40	80	30	40	80	30	40	80	30	40	80
Signal 0-10V	%	50	74	90	50	74	90	56	72	90	56	72	90	56	72	90	56	72	90
Fan coil sound data (4)																			
Sound power level	dB(A)	42,0	51,0	56,0	42,0	51,0	56,0	50,0	57,0	62,0	50,0	57,0	62,0	51,0	57,0	62,0	51,0	57,0	62,0
Sound pressure	dB(A)	34,0	43,0	48,0	34,0	43,0	48,0	42,0	49,0	54,0	42,0	49,0	54,0	43,0	49,0	54,0	43,0	49,0	54,0
Water coil																			
Water content main coil	l		1,0			1,4			1,2			1,6			1,8			2,3	
Diametre hydraulic ÿ ttings																			
Main coil	Ø	3/4"																	

(1) Room air temperature 20 °C d.b.; Water (in/out) 70 °C/60 °C
(2) Room air temperature 20°C d.b.; Water (in/out) 45°C/40°C; EUROVENT
(3) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT
(4) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583:15, respecting the Eurovent certification.

4-pipe

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

(1) Room air temperature 20°C d.b.; Water (in/out) 65 °C/55 °C; EUROVENT
(2) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT
(3) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583:15, respecting the Eurovent certification.

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

2-pipe

		FCZI200P			FCZI250P			FCZI300P			FCZI350P			FCZI400P			FCZI450P			FCZI500P			FCZI550P		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 70 °C / 60 °C (1)																									
Heating capacity	kW	1,81	3,16	3,34	2,01	3,40	3,62	3,08	4,83	5,23	3,32	5,43	5,83	3,96	5,85	6,34	4,10	6,44	6,96	5,39	7,28	7,63	5,92	8,37	8,71
Water flow rate system side	l/h	156	272	287	173	292	311	265	415	450	285	467	502	341	503	545	353	554	599	464	626	656	509	720	749
Pressure drop system side	kPa	6	13	16	7	17	19	7	14	16	7	17	19	9	17	19	5	12	13	12	22	23	11	20	21
Heating performance 45 °C / 40 °C (2)																									
Heating capacity	kW	0,90	1,57	1,66	1,00	1,69	1,80	1,53	2,40	2,60	1,65	2,70	2,90	1,97	2,91	3,15	2,04	3,20	3,46	2,68	3,62	3,79	2,94	4,16	4,33
Water flow rate system side	l/h	155	270	288	172	291	308	263	413	447	284	464	499	339	501	542	351	550	595	461	623	652	506	715	745
Pressure drop system side	kPa	6	13	16	7	17	19	7	14	16	7	17	19	9	17	19	5	12	13	12	22	23	11	20	21
Cooling performance 7 °C / 12 °C (3)																									
Cooling capacity	kW	0,80	1,37	1,45	0,95	1,67	1,76	1,40	2,38	2,53	1,66	2,70	2,88	2,03	2,98	3,21	2,22	3,28	3,55	2,73	3,68	3,84	2,97	4,15	4,31
Sensible cooling capacity	kW	0,63	1,13	1,20	0,70	1,29	1,37	1,10	1,82	1,94	1,15	1,94	2,07	1,45	2,18	2,36	1,54	2,35	2,56	1,98	2,73	2,85	2,11	2,98	3,12
Water flow rate system side	l/h	138	236	249	163	287	303	241	409	435	285	464	495	349	512	552	382	564	610	469	633	660	511	714	741
Pressure drop system side	kPa	5	13	16	8	17	19	7	14	16	9	17	19	9	17	19	8	12	13	13	22	23	12	20	21
Fan																									
Type	type	Centrifugal																							
Fan motor	type	Inverter																							
Number	no.	1			1			2			2			2			2			2			2		
Air flow rate	m^3/h	123	240	257	123	240	257	225	390	424	225	390	424	300	470	515	300	470	515	410	600	630	410	600	630
High static pressure	Pa	13	50	57	13	50	57	16	50	59	16	50	53	20	50	60	20	50	56	23	50	55	23	50	55
Input power	W	7	27	31	7	27	31	10	11	40	10	30	40	14	38	48	14	38	48	18	50	60	18	50	60
Signal 0-10V	%	43	84	90	43	84	90	48	83	90	48	83	90	52	82	90	52	82	90	58	85	90	58	85	90
Duct type fan coil sound data (4)																									
Sound power level (inlet + radiated)	dB(A)	37,0	57,0	59,0	37,0	57,0	59,0	36,0	50,0	53,0	36,0	50,0	53,0	43,0	53,0	55,0	43,0	53,0	55,0	45,0	56,0	57,0	45,0	56,0	57,0
Sound power level (outlet)	dB(A)	33,0	53,0	55,0	33,0	53,0	55,0	32,0	47,0	49,0	32,0	47,0	49,0	39,0	49,0	52,0	39,0	49,0	52,0	42,0	52,0	52,0	42,0	52,0	52,0
Water coil																									
Water content main coil	l	0,5			0,7			0,8			1,0			1,0			1,4			1,0			1,4		
Diametre hydraulic ÿ ttings																									
Main coil	Ø	1/2"			1/2"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"		

		FCZI700P			FCZI750P			FCZI900P			FCZI950P		
		1	2	3	1	2	3	1	2	3	1	2	3
		L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 70 °C / 60 °C (1)													
Heating capacity	kW	5,33	8,34	8,88	6,17	9,52	10,15	6,58	11,15	11,87	6,68	11,63	12,66
Water flow rate system side	l/h	468	732	779	541	835	890	566	958	1021	574	1000	1088
Pressure drop system side	kPa	8	17	20	5	11	12	5	13	14	6	17	19
Heating performance 45 °C / 40 °C (2)													
Heating capacity	kW	2,67	4,15	4,40	2,46	4,69	5,00	3,27	5,54	5,90	3,32	5,78	6,29
Water flow rate system side	l/h	460	720	767	418	806	860	562	953	1015	571	994	1082
Pressure drop system side	kPa	8	18	20	3	11	12	5	13	14	6	17	19
Cooling performance 7 °C / 12 °C (3)													
Cooling capacity	kW	2,20	4,00	4,30	2,60	4,41	4,70	2,81	4,80	5,20	3,58	6,00	6,46
Sensible cooling capacity	kW	1,71	3,00	3,20	1,90	3,30	3,50	2,10	3,60	3,90	2,33	3,94	4,27
Water flow rate system side	l/h	378	688	739	447	760	818	483	825	894	616	1032	1111
Pressure drop system side	kPa	7	18	20	4	11	12	5	13	14	7	17	19
Fan													
Type	type	Centrifugal											
Fan motor	type	Inverter											
Number	no.	3			3			3			3		
Air flow rate	m^3/h	405	730	799	405	730	799	405	730	799	405	730	799
High static pressure	Pa	15	50	60	15	50	60	15	50	60	15	50	60
Input power	W	21	61	78	21	61	78	21	61	78	21	61	78
Signal 0-10V	%	46	82	90	46	82	90	45	84	90	45	84	90
Duct type fan coil sound data (4)													
Sound power level (inlet + radiated)	dB(A)	38,0	55,0	58,0	38,0	55,0	58,0	44,0	55,0	58,0	44,0	55,0	58,0
Sound power level (outlet)	dB(A)	34,0	51,0	54,0	34,0	51,0	54,0	40,0	51,0	54,0	40,0	51,0	54,0
Water coil													
Water content main coil	l	1,2			1,6			1,8			2,3		
Diametre hydraulic ÿ ttings													
Main coil	Ø	3/4"											

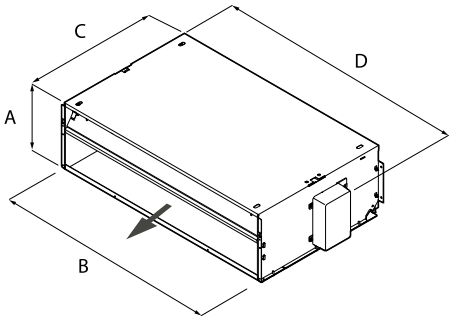
(1) Room air temperature 20 °C d.b.; Water (in/out) 70 °C/60 °C
(2) Room air temperature 20°C d.b.; Water (in/out) 45°C/40°C; EUROVENT
(3) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT
(4) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583:15, respecting the Eurovent certification.

4-pipe

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

(1) Room air temperature 20°C d.b.; Water (in/out) 65 °C/55 °C; EUROVENT
(2) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT
(3) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583:15, respecting the Eurovent certification.

DIMENSIONS



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

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

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

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

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UL-P

Fan coil unit for ducted installations

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

DESCRIPTION

Monobloc duct type fan coils for heating and/or cooling small and medium-sized environments for civil and commercial use.
It can be installed on 2-pipe systems and combined with any heat generator even at low temperatures. Choosing the optimal solution for any requirement is easy thanks to the various versions available and to the possibility of horizontal or vertical installation, depending on the version.

VERSIONS

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

FEATURES

Ventilation group

Comprised of a dual intake centrifugal fan that is particularly silent, statically and dynamically balanced and directly coupled to the motor shaft.
The electric motor is single-phase multi-speed (3 selectable), mounted on anti-vibration supports and with a permanently inserted capacitor.

Heat exchanger coil

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

The hydraulic connections can be inverted during installation.

Condensate drip

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

Air filter

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

ACCESSORIES

Control panels

AER503IR: Flush-mounting thermostat with backlit display, capacitive keypad and infrared receiver, for controlling both brushless fan coils and those with an asynchronous motor. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices (Cold Plasma and germicidal lamp), with radiant plate or with FCZ-D twin delivery (Dualjet). In addition, it can control systems with radiant panels or mixed (fan coil and radiant floor) systems. Being equipped with an infrared receiver, it can, in turn, be controlled by the VMF-IR remote control.
PRO503: Wall box for AER503IR and VMF-E4 thermostats.
SA5: air probe kit (L = 15 m) with probe-locking cable grommet.
SIT3: Thermostat Interface Card allowing the creation of a network of fan coils (max. 10) commanded by a central control panel (selector or thermostat). Commands the 3 fan speeds and must be installed on each fan coil within the network; receives the commands from the selector or the SIT5 card.
SIT5: Thermostat Interface Card allowing the creation of a network of fan coils (max. 10) commanded by a central control panel. Commands the 3 fan speeds and up to 2 valves (four pipe systems); sends the thermostat's commands to the fan coil network.
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 system

VMF-E0X: Thermostat to be secured to the side of the fan coil, fitted as standard with an air probe and a water probe.
VMF-E2D: User interface on the machine, to be combined with the VMF-E19 accessory.
VMF-E3: Wall mounted user interface, to be combined with accessories VMF-E19, VMF-E19I, VMF-E0X with grids GLF_N/M and GLL_N, can be controlled with VMF-IR control.
VMF-E4DX: Wall-mounted user interface. Grey front panel PANTONE 425C (METAL).
VMF-E4X: Wall-mounted user interface. Light grey front panel PANTONE COOL GRAY 1C.
VMF-IR: User interface compatible with the AER503IR thermostat and with all the grids of cassettes equipped with the infrared receiver compatible with the VMF system.

Common accessories

DSC: Condensate drainage device.
VCH: 3-way motorised valve kit. The kit consists of a valve, an actuator and the relative pipe fittings. It can be installed on fan coils with both right and left connections.
VCHD: 2-way motorised valve kit. The kit consists of a valve, an actuator and the relative pipe fittings. It can be installed on fan coils with both right and left connections.
BC: Condensate drip.
Ventilcassaforma: Galvanised sheet metal template. It makes it possible to obtain directly in the wall a space for housing the fan coil.

GUIDE TO SELECTING THE POSSIBLE CONFIGURATIONS

Omnia ULP

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

ACCESSORIES COMPATIBILITY

Control panels and dedicated accessories - Omnia ULP

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

(1) Wall-mount installation.
(2) Probe for AER503IR-TX thermostats, if fitted.
(3) Cards for AER503IR-TX thermostats, if present, to be installed if the unit absorption exceeds 0,7 Ampere.
(4) Probe for AER503IR-TX thermostats, if fitted.

VMF system - Omnia ULP

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

(1) Also the accessory VMF-SIT3 is mandatory if the unit exceeds 0.7 Amperes.
(2) For the selection, consult the documentation for the thermostat and the fan coil.

Condensate drip

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

(1) For vertical installation.
(2) For horizontal installation.

Condensate drainage

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

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

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

2 way valve kit

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

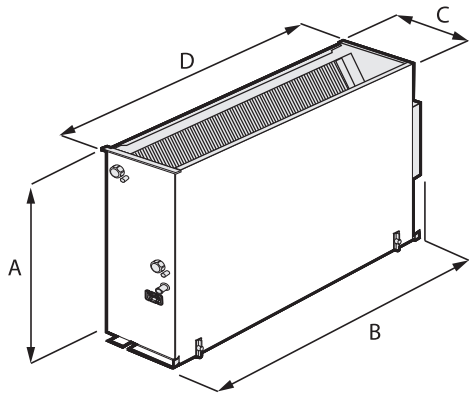
PERFORMANCE SPECIFICATIONS

2-pipe

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

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

DIMENSIONS



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

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Tel. 0442633111 - Telefax 044293577
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ULI-P

Fan coil unit for ducted installations

- **Very quiet**
- **Ideal for residential or office solutions**

DESCRIPTION

Monobloc duct type fan coils for heating and/or cooling small and medium-sized environments for civil and commercial use.
It can be installed on 2-pipe systems and combined with any heat generator even at low temperatures. Choosing the optimal solution for any requirement is easy thanks to the various versions available and to the possibility of horizontal or vertical installation, depending on the version.

VERSIONS

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

FEATURES

Ventilation group

Centrifugal fans in anti-static plastic material with aerofoil profile designed to achieve high airflows and pressures whilst at the same time producing low noise.
Their characteristics permit energy savings compared to conventional fans.
They are statically and dynamically balanced and directly coupled to the motor shaft.
The Brushless electric motor with 0-100% continuous speed variation, which allows precise adaptation to the real demands of the internal environment without temperature fluctuations.
The air flow can be continuously changed through a 1-10 V signal, coming from adjustment and control commands Aermec or from independent adjustment systems.
This lowers noise and generates a better response to heat loads and a higher stability in the desired temperature inside the room.
The high efficiency even with low speed, makes it possible to reduce power consumption (more than 50% less than fan coils with traditional motors).
The plastic augers are extractable for easy and efficient cleaning.

Heat exchanger coil

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

The hydraulic connections can be inverted during installation.

Condensate drip

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

Air filter

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

ACCESSORIES

Control panels

AER503IR: Flush-mounting thermostat with backlit display, capacitive keypad and infrared receiver, for controlling both brushless fan coils and those with an asynchronous motor. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices (Cold Plasma and germicidal lamp), with radiant plate or with FCZ-D twin delivery (Dualjet). In addition, it can control systems with radiant panels or mixed (fan coil and radiant floor) systems. Being equipped with an infrared receiver, it can, in turn, be controlled by the VMF-IR remote control.
PRO503: Wall box for AER503IR and VMF-E4 thermostats.
SA5: air probe kit (L = 15 m) with probe-locking cable grommet.
SW5: water probe kit (L = 15m) with probe-holder connection point, fixing clip and probe-holder from heat exchanger.
TX: Wall-mounting thermostat for controlling either brushless fan coils or those with asynchronous motors. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices, radiant plate or FCZ-D twin delivery (Dualjet).

VMF system

VMF-E0X: Thermostat to be secured to the side of the fan coil, fitted as standard with an air probe and a water probe.
VMF-E19I: Thermostat for inverter unit to be fixed on the side of the fan coil, fitted as standard with an air and water probe.
VMF-E3: Wall mounted user interface, to be combined with accessories VMF-E19, VMF-E19I, VMF-E0X with grids GLF_N/M and GLL_N, can be controlled with VMF-IR control.
VMF-E4DX: Wall-mounted user interface. Grey front panel PANTONE 425C (METAL).
VMF-E4X: Wall-mounted user interface. Light grey front panel PANTONE COOL GRAY 1C.
VMF-IO: Manage the unit exclusively from a centralized VMF control panel without area control panel.
VMF-IR: User interface compatible with the AER503IR thermostat and with all the grids of cassettes equipped with the infrared receiver compatible with the VMF system.
VMF-LON: Expansion allowing the thermostat to interface with BMS systems that use the LON protocol.
VMF-SW: Water temperature probe.

Common accessories

DSC: Condensate drainage device.
VCH: 3-way motorised valve kit. The kit consists of a valve, an actuator and the relative pipe fittings. It can be installed on fan coils with both right and left connections.
VCHD: 2-way motorised valve kit. The kit consists of a valve, an actuator and the relative pipe fittings. It can be installed on fan coils with both right and left connections.
BC: Condensate drip.
Ventilcassaforma: Galvanised sheet metal template. It makes it possible to obtain directly in the wall a space for housing the fan coil.

GUIDE TO SELECTING THE POSSIBLE CONFIGURATIONS

Omnia ULP

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

ACCESSORIES COMPATIBILITY

Control panels and dedicated accessories - Omnia ULP

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

(1) Wall-mount installation.
(2) Probe for AER503IR-TX thermostats, if fitted.

VMF system - Omnia ULP

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

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

Condensate drip

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

(1) For vertical installation.
(2) For horizontal installation.

Condensate drainage

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

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

2 way valve kit

Model	Ver	16	26	36
VCHD	P,PAF	•	•	•

3 way valve kit

Model	Ver	16	26	36
VCH	P,PAF	•	•	•

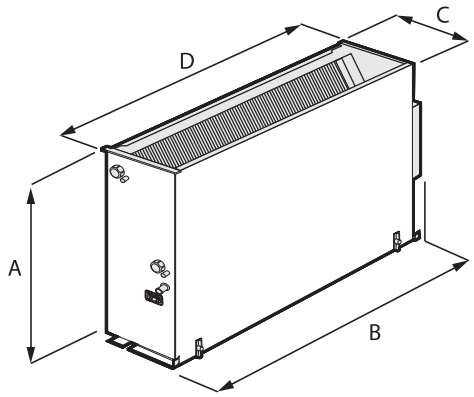
PERFORMANCE SPECIFICATIONS

2-pipe

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

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

DIMENSIONS



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

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VEC

Coanda-effect fan coil for cassette installation

- **Very quiet**
- **Total comfort in every season**

DESCRIPTION

Thanks to a special air intake and flow grid, these units allow a coanda-effect air flow to be generated, parallel to the ceiling, creating optimal circulation inside the room to be air-conditioned.
They are suitable to be installed inside a suspended ceiling.

FEATURES

Ventilation group

Comprised of a dual intake centrifugal fan that is particularly silent, statically and dynamically balanced and directly coupled to the motor shaft.
In addition to the traditional three-speed asynchronous motor for the "VECs", every unit can be supplied with a "VEC_I" Brushless-type inverter motor controlled by an inverter board.

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.
Units are available with a standard coil (20-50) and a larger coil (24-54).
Only units with the standard coil can be combined with an additional electric or water coil with 1 row, both available as an accessory.
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.

Air filter

Fire resistance class **1** air filter.

ACCESSORY COMPULSORY

VEC_GL: Air intake and flow grid with adjustable Coanda-effect vents (white M9016 = lacquered white similar to Ral 9016).

Control panels and dedicated 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.
PX2: Commutator 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.
TX: Wall-mounting thermostat for controlling either brushless fan coils or those with asynchronous motors. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices, radiant plate or FCZ-D twin delivery (Dualjet).
WMT05: Electronic thermostat with thermostated ventilation.
WMT06: Electronic thermostat with continuous ventilation.
WMT10: Electronic thermostat, white, with thermostated or continuous ventilation.

VMF Components

VMF-E19: Thermostat to be secured to the side of the fan coil, fitted as standard with an air probe and a water probe.
VMF-E3: Wall mounted user interface, to be combined with accessories VMF-E19, VMF-E19I, VMF-E0X with grids GLF_N/M and GLL_N, can be controlled with VMF-IR control.

VMF-E4X: Wall-mounted user interface. Light grey front panel PANTONE COOL GRAY 1C.
VMF-IR: User interface compatible with the AER503IR thermostat and with all the grids of cassettes equipped with the infrared receiver compatible with the VMF system.
VMF-SW: Water temperature probe.
VMF-SW1: Extra water probe to be used for 4-pipe systems.

Common accessories

BV: Single row hot water heat exchanger.
RX: Armoured electric coil with safety thermostat.
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.
DSC: Condensate drainage device.
BC: Condensate drip.
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.
PCR1: Galvanised plate protection for the controls and the electrical element.

ACCESSORIES COMPATIBILITY

Accessories mandatory

Intake grid and distribution of the air

Model	Ver	20	24	30	34	40	44	50	54
VEC20GL (1)	.	•	•						
VEC30GL (1)	.			•	•				
VEC40GL (1)	.					•	•	•	•

(1) Mandatory accessory.

Control panels and dedicated accessories

Model	Ver	20	24	30	34	40	44	50	54
AER503IR (1)	.	•	•	•	•	•	•	•	•
FMT10	.	•	•	•	•	•	•	•	•
PX2	.	•	•	•	•	•	•	•	•
SA5 (2)	.	•	•	•	•	•	•	•	•
SIT3 (3)	.	•	•	•	•	•	•	•	•
SIT5 (4)	.	•	•	•	•	•	•	•	•
SW3 (2)	.	•	•	•	•	•	•	•	•
SW5 (2)	.	•	•	•	•	•	•	•	•
TX (1)	.	•	•	•	•	•	•	•	•
WMT05	.	•	•	•	•	•	•	•	•
WMT06	.	•	•	•	•	•	•	•	•
WMT10	.	•	•	•	•	•	•	•	•

(1) Wall-mount installation.
(2) Probe for AER503IR-TX thermostats, if fitted.
(3) Cards for AER503IR-TX thermostats, if present, to be installed if the unit absorption exceeds 0,7 Ampere.
(4) Probe for AER503IR-TX thermostats, if fitted.

VMF Components

Model	Ver	20	24	30	34	40	44	50	54
VMF-E19	.	•	•	•	•	•	•	•	•
VMF-E3	.	•	•	•	•	•	•	•	•
VMF-E4X	.	•	•	•	•	•	•	•	•
VMF-IR	.	•	•	•	•	•	•	•	•
VMF-SW	.	•	•	•	•	•	•	•	•
VMF-SW1	.	•	•	•	•	•	•	•	•

Common accessories

Electric coil

Model	Ver	20	24	30	34	40	44	50	54
RX22 (1)	.	•	•						
RX32 (1)	.			•	•				
RX42 (1)	.					•	•		
RX52 (1)	.							•	•

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

Protection for controls and electric resistance

Model	Ver	20	24	30	34	40	44	50	54
PCR1V	.	•	•	•	•	•	•	•	•

Water coil with 1 row

Model	Ver	20	24	30	34	40	44	50	54
BV122 (1)	.	•							
BV132 (1)	.			•					
BV142 (1)	.					•		•	

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

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

	VEC20	VEC24	VEC30	VEC34	VEC40	VEC44	VEC50	VEC54
Main coil	VCF41 - VCF4124	VFC42 - VCF4224	VCF41 - VCF4124	VFC42 - VCF4224	VFC42 - VCF4224	VFC42 - VCF4224	VFC42 - VCF4224	VFC42 - VCF4224
Additional coil "BV"	VCF44 - VCF4424	-	VCF44 - VCF4424	-	VCF44 - VCF4424	-	VCF44 - VCF4424	-

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

	VEC20	VEC24	VEC30	VEC34	VEC40	VEC44	VEC50	VEC54
Main coil	VCFD1 - VCFD124	VCFD2 - VCFD224	VCFD1 - VCFD124	VCFD2 - VCFD224	VFCD2 - VCFD224	VFCD2 - VCFD224	VFCD2 - VCFD224	VFCD2 - VCFD224
Additional coil "BV"	VCFD4 - VCFD424	-	VCFD4 - VCFD424	-	VCFD4 - VCFD424	-	VCFD4 - VCFD424	-

Valves ending with **24 ex. VCFD124,** are 24V.

Condensate drip

Ver	20	24	30	34	40	44	50	54
.	BC5 (1)	BC5 (1)	BC5 (1)	BC5 (1)	BC5 (1)	BC5 (1)	BC5 (1)	BC5 (1)

(1) For horizontal installation.

Condensate drainage

Ver	20	24	30	34	40	44	50	54
.	DSC4	DSC4	DSC4	DSC4	DSC4	DSC4	DSC4	DSC4

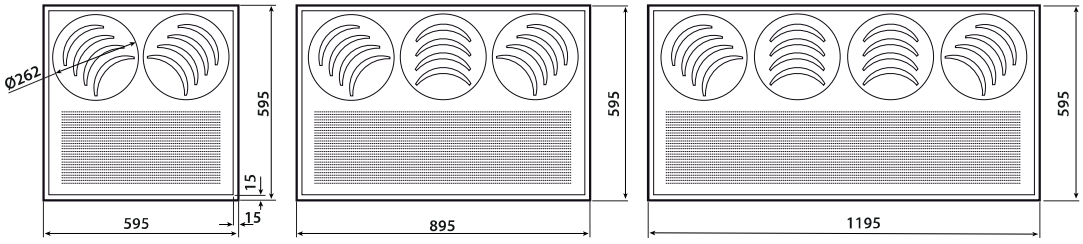
PERFORMANCE SPECIFICATIONS VEC

2-pipe

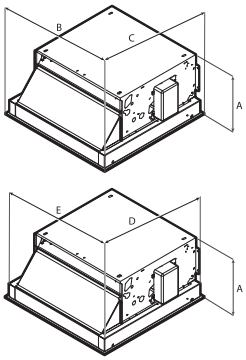
		VEC20			VEC24			VEC30			VEC34			VEC40			VEC44			VEC50			VEC54		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 70 °C / 60 °C (1)																									
Heating capacity	kW	1,87	2,54	3,10	2,07	2,50	3,42	3,03	3,64	4,31	4,31	53,18	6,14	4,21	5,21	6,29	5,41	6,68	8,07	4,76	6,34	7,16	6,06	8,08	9,18
Water flow rate system side	l/h	164	223	272	181	219	300	266	319	378	378	454	538	369	457	551	474	586	708	417	556	628	532	709	805
Pressure drop system side	kPa	2	4	6	1	2	3	9	13	17	5	7	9	6	9	12	9	14	19	7	11	14	9	15	19
Heating performance 45 °C / 40 °C (2)																									
Heating capacity	kW	0,95	1,26	1,54	1,20	1,40	1,70	1,50	1,81	2,14	2,15	2,57	3,05	2,09	2,59	3,12	2,69	3,30	4,01	2,37	3,15	3,56	3,02	4,02	4,54
Water flow rate system side	l/h	163	217	265	206	241	292	258	311	368	370	442	525	359	445	537	463	568	690	408	542	612	519	691	781
Pressure drop system side	kPa	3	5	7	2	3	4	9	13	17	5	7	9	6	9	13	10	14	20	7	12	14	17	15	19
Cooling performance 7 °C / 12 °C (3)																									
Cooling capacity	kW	0,80	1,07	1,31	0,88	1,21	1,52	1,35	1,61	1,91	1,79	2,14	2,47	1,99	2,47	2,99	2,55	3,34	3,91	2,35	3,17	3,61	3,00	4,00	4,28
Sensible cooling capacity	kW	0,64	0,87	1,07	0,67	0,90	1,14	1,03	1,25	1,49	1,26	1,51	1,78	1,58	1,98	2,41	1,91	2,42	2,74	1,68	2,27	2,59	2,09	2,83	3,04
Water flow rate system side	l/h	138	184	225	151	208	261	232	277	329	308	368	425	342	425	514	439	574	673	404	545	621	516	688	736
Pressure drop system side	kPa	3	4	6	1	2	3	6	11	13	5	6	8	6	9	12	11	17	22	7	12	15	17	27	30
Fan																									
Type	type	Centrifugal																							
Fan motor	type	Asynchronous																							
Number	no.	1			1			2			2			2			2			2			2		
Air flow rate	m^3/h	130	194	247	130	167	247	241	309	383	241	309	383	306	406	511	306	406	511	371	529	613	371	529	613
Input power	W	19	22	25	19	22	25	25	33	44	25	33	44	30	43	57	30	43	57	34	46	67	34	46	67
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
Fan coil sound data (4)																									
Sound power level	dB(A)	35,0	42,0	48,0	35,0	42,0	48,0	37,0	43,0	49,0	37,0	43,0	49,0	38,0	43,0	48,0	38,0	43,0	48,0	43,0	50,0	53,0	43,0	50,0	53,0
Sound pressure	dB(A)	27,0	34,0	40,0	27,0	34,0	40,0	29,0	35,0	41,0	29,0	35,0	41,0	30,0	35,0	40,0	30,0	35,0	40,0	35,0	38,0	45,0	35,0	38,0	45,0
Diametre hydraulic ÿ ttings																									
Main coil	Ø	1/2"			3/4"			1/2"			3/4"			3/4"			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.

GRID DIMENSIONS (MANDATORY ACCESSORY)



DIMENSIONS



Dimensions and weights of the unit with grid (maximum dimensions)

Size			20	24	30	34	40	44	50	54
Dimensions and weights										
A	.	mm	283	283	283	283	283	283	283	283
B	.	mm	595	595	895	895	1195	1195	1195	1195
C	.	mm	595	595	595	595	595	595	595	595
Empty weight	.	kg	16	16	21	21	25	25	25	25
Weight of the grid	.	kg	3,7	3,7	5,7	5,7	7,0	7,0	7,0	7,0

Dimensions of the unit with grid (dimensions for installation)

Size			20	24	30	34	40	44	50	54
Dimensions and weights										
A	.	mm	283	283	283	283	283	283	283	283
D	.	mm	574	574	574	574	574	574	574	574
E	.	mm	574	574	874	874	1174	1174	1174	1174

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VEC-I

Coanda-effect fan coil for cassette installation

- **Very quiet**
- **Electric saving equal to 50% with respect to a fan coil with 3-speed motor**
- **Total comfort: reduced variations in temperature and relative humidity in every season**

DESCRIPTION

Thanks to a special air intake and flow grid, these units allow a coanda-effect air flow to be generated, parallel to the ceiling, creating optimal circulation inside the room to be air-conditioned.
They are suitable to be installed inside a suspended ceiling.

FEATURES

Ventilation group

Comprised of a dual intake centrifugal fan that is particularly silent, statically and dynamically balanced and directly coupled to the motor shaft.
The 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).
Apart from the inverter motor of the "VEC-I" models, each unit can be supplied with a single-phase asynchronous "VEC" motor.

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.
Units are available with a standard coil (20-50) and a larger coil (24-54).
Only units with the standard coil can be combined with an additional electric or water coil with 1 row, both available as an accessory.
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.

Air filter

Fire resistance class **1** air filter.

ACCESSORY COMPULSORY

Control panels and dedicated 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.
SA5: air probe kit (L = 15 m) with probe-locking cable grommet.
SW5: water probe kit (L = 15m) with probe-holder connection point, fixing clip and probe-holder from heat exchanger.
TX: Wall-mounting thermostat for controlling either brushless fan coils or those with asynchronous motors. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices, radiant plate or FCZ-D twin delivery (Dualjet).

VMF Components

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

Common accessories

BV: Single row hot water heat exchanger.

RX: Armoured electric coil with safety thermostat.
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.
DSC: Condensate drainage device.
BC: Condensate drip.
PCR1: Galvanised plate protection for the controls and the electrical element.

ACCESSORIES COMPATIBILITY

Accessories mandatory

Intake grid and distribution of the air

Accessory	VEC24I	VEC30I	VEC34I	VEC40I	VEC44I	VEC50I	VEC54I
VEC20GL	•						
VEC30GL		•	•				
VEC40GL				•	•	•	•

Control panels and dedicated accessories

Accessory	VEC20I	VEC24I	VEC30I	VEC34I	VEC40I	VEC44I	VEC50I	VEC54I
AER503IR	•	•	•	•	•	•	•	•
SA5	•	•	•	•	•	•	•	•
SW5	•	•	•	•	•	•	•	•
TX	•	•	•	•	•	•	•	•

VMF Components

Model	Ver	20	24	30	34	40	44	50	54
VMF-E19	.	•	•	•	•	•	•	•	•
VMF-E3	.	•	•	•	•	•	•	•	•
VMF-E4X	.	•	•	•	•	•	•	•	•
VMF-IR	.	•	•	•	•	•	•	•	•
VMF-SW	.	•	•	•	•	•	•	•	•
VMF-SW1	.	•	•	•	•	•	•	•	•

Common accessories

Electric coil

Accessory	VEC20I	VEC24I	VEC30I	VEC34I	VEC40I	VEC44I	VEC50I	VEC54I
RX22	•	•						
RX32			•	•				
RX42					•	•		
RX52							•	•

Protection for controls and electric resistance

Accessory	VEC20I	VEC24I	VEC30I	VEC34I	VEC40I	VEC44I	VEC50I	VEC54I
PCR1V	•	•	•	•	•	•	•	•

Water coil with 1 row

Accessory	VEC20I	VEC30I	VEC40I	VEC50I
BV122	•			
BV132		•		
BV142			•	•

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

	VEC20I	VEC24I	VEC30I	VEC34I	VEC40I	VEC44I	VEC50I	VEC54I
Main coil	VCF41 - VCF4124	VFC42 - VCF4224	VCF41 - VCF4124	VFC42 - VCF4224	VFC42 - VCF4224	VFC42 - VCF4224	VFC42 - VCF4224	VFC42 - VCF4224
Additional coil "BV"	VCF44 - VCF4424	-	VCF44 - VCF4424	-	VCF44 - VCF4424	-	VCF44 - VCF4424	-

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

	VEC20I	VEC24I	VEC30I	VEC34I	VEC40I	VEC44I	VEC50I	VEC54I
Main coil	VCFD1 - VCFD124	VCFD2 - VCFD224	VCFD1 - VCFD124	VCFD2 - VCFD224	VFCD2 - VCFD224	VFCD2 - VCFD224	VFCD2 - VCFD224	VFCD2 - VCFD224
Additional coil "BV"	VCFD4 - VCFD424	-	VCFD4 - VCFD424	-	VCFD4 - VCFD424	-	VCFD4 - VCFD424	-

Valves ending with **24 ex. VCFD124,** are 24V.

Condensate drip

Accessory	VEC20I	VEC24I	VEC30I	VEC34I	VEC40I	VEC44I	VEC50I	VEC54I
BC5	•	•	•	•	•	•	•	•

Condensate drainage

Accessory	VEC20I	VEC24I	VEC30I	VEC34I	VEC40I	VEC44I	VEC50I	VEC54I
DSC4	•	•	•	•	•	•	•	•

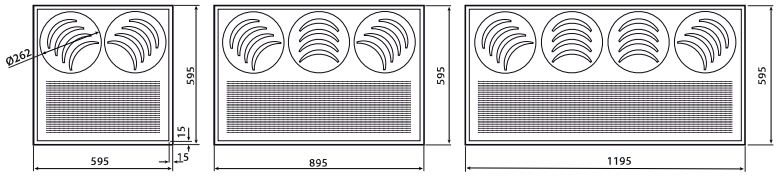
PERFORMANCE SPECIFICATIONS VEC

2-pipe

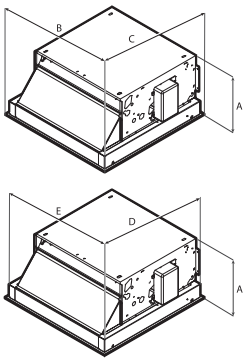
		VEC20I			VEC24I			VEC30I			VEC34I			VEC40I			VEC44I			VEC50I			VEC54I		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 70 °C / 60 °C (1)																									
Heating capacity	kW	1,87	2,54	3,10	2,07	2,50	3,42	3,03	3,64	4,31	4,31	53,18	6,14	4,21	5,21	6,29	5,41	6,68	8,07	4,76	6,34	7,16	6,06	8,08	9,18
Water flow rate system side	l/h	164	223	272	181	219	300	266	319	378	378	454	538	369	457	551	474	586	708	417	556	628	532	709	805
Pressure drop system side	kPa	2	4	6	1	2	3	9	13	17	5	7	9	6	9	12	9	14	19	7	11	14	9	15	19
Heating performance 45 °C / 40 °C (2)																									
Heating capacity	kW	0,95	1,26	1,54	1,20	1,40	1,70	1,50	1,81	2,14	2,15	2,57	3,05	2,09	2,59	3,12	2,69	3,30	4,01	2,37	3,15	3,56	3,02	4,02	4,54
Water flow rate system side	l/h	163	217	265	206	241	292	258	311	368	370	442	525	359	445	537	463	568	690	408	542	612	519	691	781
Pressure drop system side	kPa	3	5	7	2	3	4	9	13	17	5	7	9	6	9	13	10	14	20	7	12	14	17	15	19
Cooling performance 7 °C / 12 °C (3)																									
Cooling capacity	kW	0,80	1,07	1,31	0,88	1,21	1,52	1,35	1,61	1,91	1,79	2,14	2,47	1,99	2,47	2,99	2,55	3,34	3,91	2,35	3,17	3,61	3,00	4,00	4,28
Sensible cooling capacity	kW	0,64	0,87	1,07	0,67	0,90	1,14	1,03	1,25	1,49	1,26	1,51	1,78	1,58	1,98	2,41	1,91	2,42	2,74	1,68	2,27	2,59	2,09	2,83	3,04
Water flow rate system side	l/h	138	184	225	151	208	261	232	277	329	308	368	425	342	425	514	439	574	673	404	545	621	516	688	736
Pressure drop system side	kPa	3	4	6	1	2	3	6	11	13	5	6	8	6	9	12	11	17	22	7	12	15	17	27	30
Fan																									
Type	type	Centrifugal																							
Fan motor	type	Inverter																							
Number	no.	1			1			2			2			2			2			2			2		
Air flow rate	m^3/h	130	194	247	130	167	247	241	309	383	241	309	383	306	406	511	306	406	511	371	529	613	371	529	613
Input power	W	4	9	14	4	9	14	11	16	35	11	16	35	16	20	26	16	20	26	18	27	34	18	27	34
Signal 0-10V	%	48	70	90	48	70	90	58	66	90	58	66	90	54	72	90	54	72	90	56	78	90	56	78	90
Fan coil sound data (4)																									
Sound power level	dB(A)	35,0	42,0	48,0	35,0	42,0	48,0	37,0	43,0	49,0	37,0	43,0	49,0	38,0	43,0	48,0	38,0	43,0	48,0	43,0	50,0	53,0	43,0	50,0	53,0
Sound pressure	dB(A)	27,0	34,0	40,0	27,0	34,0	40,0	29,0	35,0	41,0	29,0	35,0	41,0	30,0	35,0	40,0	30,0	35,0	40,0	35,0	38,0	45,0	35,0	38,0	45,0
Diametre hydraulic ÿ ttings																									
Main coil	Ø	1/2"			3/4"			1/2"			3/4"			3/4"			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.

GRID DIMENSIONS (MANDATORY ACCESSORY)



DIMENSIONS



Dimensions and weights of the unit with grid (maximum dimensions)

Size			20	24	30	34	40	44	50	54
Dimensions and weights										
A	.	mm	283	283	283	283	283	283	283	283
B	.	mm	595	595	895	895	1195	1195	1195	1195
C	.	mm	595	595	595	595	595	595	595	595
Empty weight	.	kg	16	16	21	21	25	25	25	25
Weight of the grid	.	kg	3,7	3,7	5,7	5,7	7,0	7,0	7,0	7,0

Dimensions of the unit with grid (dimensions for installation)

Size			20	24	30	34	40	44	50	54
Dimensions and weights										
A	.	mm	283	283	283	283	283	283	283	283
D	.	mm	574	574	574	574	574	574	574	574
E	.	mm	574	574	874	874	1174	1174	1174	1174

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

FCL

Fan coil for cassette installation

- **Standard internal three-way valve**
- **Version with 2-way valve for variable water flow rate systems**
- **Version without valves**

DESCRIPTION

4-way cassettes that can be installed in any type of 2- or 4-pipe system with any heat generator, even at low temperatures. Thanks to the selection of versions and configurations, it's easy to choose the best solution for every need.

FEATURES

Intake grid and distribution of the air

The recovery and air diffusion grille has an elegant design. In plastic, RAL 9010.
The dimensions of the first nine sizes respect the 600x600 mm modularity of false ceilings, whereas the larger sizes measuring 840x840 mm are designed for quiet operation and optimum performance.

Load-bearing structure

Models with a 600x600 mm module have a reinforced load-bearing structure with side panels in galvanised steel sheet, thermally insulated with internal polystyrene foam elements.
The structure of models with a 840x840 mm module is made entirely of galvanised steel sheet, thermally insulated with polyethylene foam on the inside and with an anti-condensate felt coating.

Ventilation group

Formed of a particularly quiet axial-centrifugal fan, statically and dynamically balanced.
The single-phase electric motor offers three or four speeds (depending on the size), is mounted on anti-vibration supports, and has a permanently enabled condenser.

Heat exchanger coil

Heat exchanger with shaped profile to increase the exchange surface, and easily accessible drain valves.
There are models with a single coil for 2-pipe systems, with the possibility to add an electric heater too, and models with two coils for 4-pipe systems.
There is the possibility to combine outside air with the inlet ambient air, and to distribute it in separate rooms.
The coil is not suitable for use in corrosive atmosphere or in environments where aluminium may be subject to corrosion.

Condensate drip

Condensation drip tray in one piece, with V0 self-extinguishing level and overmoulding to insulation in expanded polystyrene with flame retardant additive.

Air filter

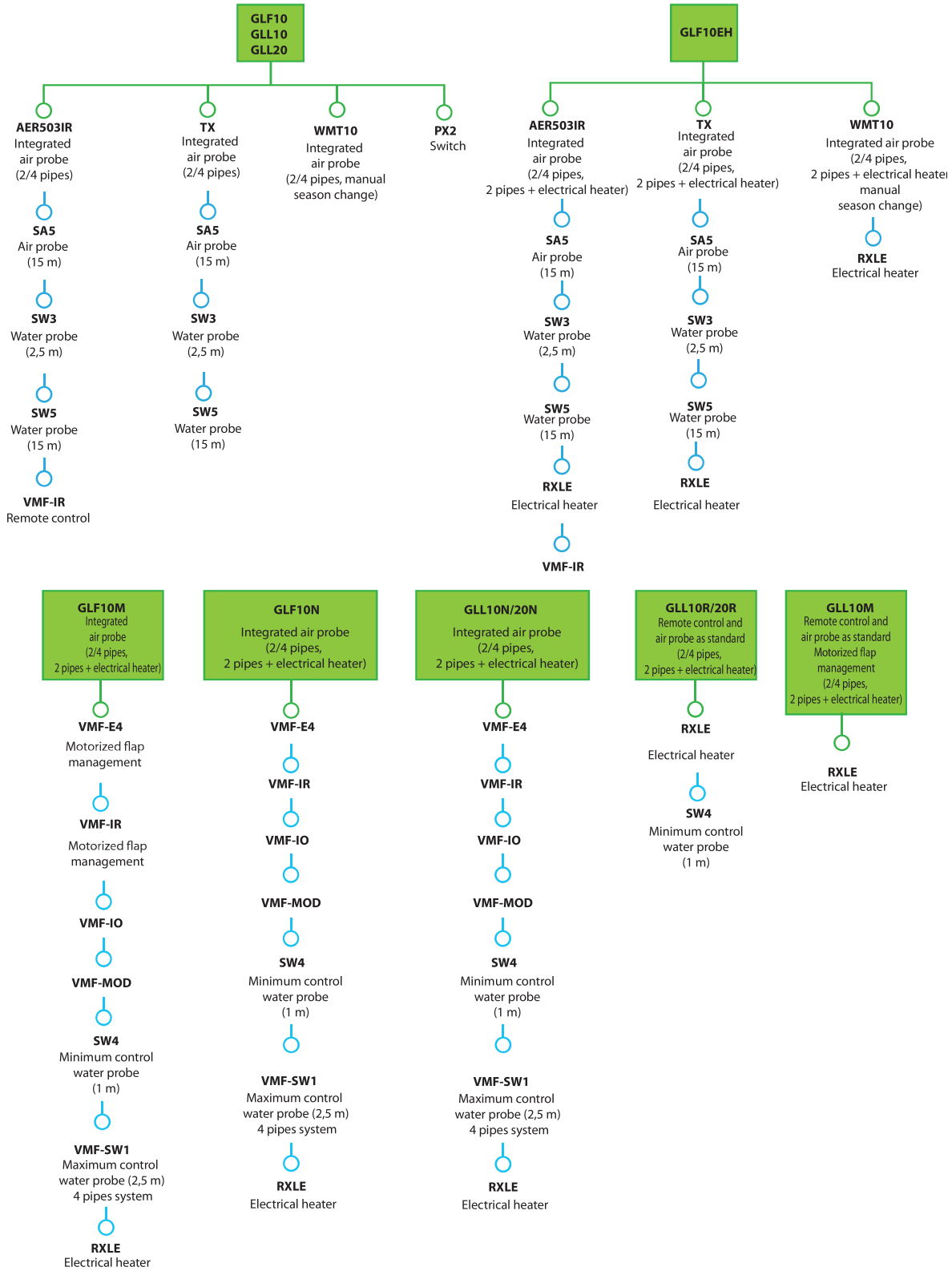
Air filter easily removed and cleaned, self-supporting structure, characterised by a high efficiency and low pressure drops, with class-V0 fire resistance (UL 94).

Versions

FCL Standard with internal 3-way valve
V2 With internal 2-way valve
VL Without internal valve

ACCESSORIES

Accessories that can be combined with the grilles



Intake grids and distribution of the air, compulsory accessory

GLF10: Recovery and air supply grille in plastic, RAL 9010 colour, measuring 600x600 mm adapts perfectly to standard false ceilings without overlapping parts. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits with manually orientated fins. Must be combined with a wall-mounted panel. (size 840x840 mm not available).

GLF10EH: Recovery and air supply grille in plastic, RAL 9010 colour, measuring 600x600 mm; adapts perfectly to standard false ceilings without overlapping parts. Suitable for use with the RXLE heater. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits with manually orientated fins. Must be combined with a wall-mounted panel. (size 840x840 mm not available).

GLF10M: Recovery and air supply grille in plastic, RAL 9010 colour, measuring 600x600 mm adapts perfectly to standard false ceilings without overlapping parts. It is equipped with an infrared receiver with an emergency operation button, a thermostat card which also requires the installation of the VMF-E4 panel or the VMF-IR remote control. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits that can be manually orientated. (size 840x840 not available).

GLF10N: Recovery and air supply grille in plastic, RAL 9010 colour, measuring 600x600 mm, adapts perfectly to standard false ceilings without overlapping parts. Fitted with a thermostat board that necessarily requires the installation of the VMF-E4 or VMF-IR panel as well. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits that can be manually orientated. (size 800x800 mm not available).

GLL10: Recovery and air supply grille in plastic, RAL 9010 colour, measuring 600x600 mm; adapts perfectly to standard false ceilings without overlapping parts. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits that can be manually orientated. Must be combined with a wall-mounted panel.

GLL10M: Recovery and air supply grille in plastic, RAL 9010 colour, measuring 600x600 mm, adapts perfectly to standard false ceilings without overlapping parts. Fitted with an infrared receiver with an emergency operation button, and a remote control. Suitable for use with the RXLE heater. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits that can be orientated with the remote control.

GLL10N: Recovery and air supply grille in plastic, RAL 9010 colour, measuring 600x600 mm, adapts perfectly to standard false ceilings without overlapping parts. Fitted with a thermostat board that necessarily requires the installation of the VMF-E4X or VMF-IR panel as well. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits that can be manually orientated.

GLL10R: Recovery and air supply grille in plastic, RAL 9010 colour, measuring 600x600 mm, adapts perfectly to standard false ceilings without overlapping parts. Fitted with an infrared receiver with an emergency operation button, and a remote control. Suitable for use with the RXLE heater. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits that can be manually orientated.

GLL20: Recovery and air supply grille in plastic, RAL 9010 colour, measuring 840x840 mm, adapts perfectly to standard false ceilings without overlapping parts. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits that can be manually orientated. Must be combined with a wall-mounted panel.

GLL20N: Recovery and air supply grille in plastic, RAL 9010 colour, measuring 840x840 mm, adapts perfectly to standard false ceilings without overlapping parts. Fitted with a thermostat board that necessarily requires the installation of the VMF-E4X or VMF-IR panel as well. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits that can be manually orientated.

GLL20R: Recovery and air supply grille in plastic, RAL 9010 colour, measuring 840x840 mm, adapts perfectly to standard false ceilings without overlapping parts. Fitted with an infrared receiver with an emergency operation button, and a remote control. Suitable for use with the RXLE heater. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits that can be manually orientated.

VMF system

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-MOD: Expansion board for the management of modulating valves.

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

Control panels and their 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.

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.

SW4: Water temperature probe allowing automatic season change on electronic controllers supplied with water-side change over.

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).

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

Electric heaters

RXLE: Electric heater for heating, can be installed on board the units.

RXLE20: Electric heater for heating, can be installed on board the units.

Water valve kit

VCFLX4: 3-way valve kit for single-coil fan coil 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.

VHL1: 3-way motorised valve kit with 4 connections including the actuator. 230V~50Hz power supply.

VHL124: 3-way motorised valve kit with 4 connections including the actuator. 24V power supply.

VHL20: Motorised 3-way valve kit with 4 connections, complete with actuator and the relative hydraulic couplings. 230V~50Hz power supply.

VHL2024: Motorised 3-way valve kit with 4 connections, complete with actuator and the relative hydraulic couplings. 24V power supply.

VHL2: 2-way motorised valve kit with 2 connections including the actuator. Power supply 230V~50Hz;

VHL22: Motorised 2-way valve kit with 2 connections, complete with actuator and the relative hydraulic couplings. Power supply 230V~50Hz;
VHL2224: Motorised 2-way valve kit with 2 connections, complete with actuator and the relative hydraulic couplings. 24V power supply.
VHL224: 2-way motorised valve kit with 2 connections including the actuator. 24V power supply.

Installation accessories

FEL10: Kit n°5 electrostatically pre-charged air filter, with fire resistance class 2 (UL 900).
KFL: Delivery flange, allowing the air to be directed to an adjacent room.
KFL20: Delivery flange, allowing the air to be directed to an adjacent room. Up to three KFL20 can be assembled on a single unit.
KFLD: Suction flange, allows to introduce external air directly into the room without mixing.
KFLD20: Suction flange, allows to introduce external air directly into the room without mixing. Up to two KFL20D can be assembled on a single unit.
FCLMC10: Perimeter housing in painted galvanised sheet metal, 600x600 mm, used when the fan coil is installed outside the false ceiling. It has an aesthetic and protective purpose only, so the technical characteristics of the fan coil remain unaltered. Can only be combined with GLL/GLLI grilles.
FCLMC20: Perimeter housing in painted sheet metal, 840x840 mm, used when the fan coil is installed outside the false ceiling. It has an aesthetic and protective purpose only, so the technical characteristics of the fan coil remain unaltered. Can only be combined with GLL/GLLI grilles.

ACCESSORIES COMPATIBILITY

Intake grids and distribution of the air

Model	Ver	32	34	36	38	42	44	62	64
GLF10 (1)	FCL,V2,VL	•	•	•	•	•	•	•	•
GLF10EH (2)	FCL,V2,VL	•	•	•	•	•	•	•	•
GLF10M (3)	FCL,V2,VL	•	•	•	•	•	•	•	•
GLF10N (3)	FCL,V2,VL	•	•	•	•	•	•	•	•

Model	Ver	72	82	84	102	104	122	124
GLF10 (1)	FCL,V2,VL	•						
GLF10EH (2)	FCL,V2,VL	•						
GLF10M (3)	FCL,V2,VL	•						
GLF10N (3)	FCL,V2,VL	•						

(1) Not compatible with the VMF system and electric heaters.
(2) Not compatible with the VMF system, but compatible with electric heaters.
(3) Compatible with the VMF system and electric heaters.

Intake grid and distribution of the air

Model	Ver	32	34	36	38	42	44	62	64
GLL10 (1)	FCL,V2,VL	•	•	•	•	•	•	•	•
GLL10M (2)	FCL,V2,VL	•	•	•	•	•	•	•	•
GLL10N (3)	FCL,V2,VL	•	•	•	•	•	•	•	•
GLL10R (2)	FCL,V2,VL	•	•	•	•	•	•	•	•

Model	Ver	72	82	84	102	104	122	124
GLL10 (1)	FCL,V2,VL	•						
GLL10M (2)	FCL,V2,VL	•						
GLL10N (3)	FCL,V2,VL	•						
GLL10R (2)	FCL,V2,VL	•						
GLL20 (1)	FCL,V2,VL		•	•	•	•	•	•
GLL20N (3)	FCL,V2,VL		•	•	•	•	•	•
GLL20R (4)	FCL,V2,VL		•	•	•	•	•	•

(1) Not compatible with the VMF system and electric heaters.
(2) Not compatible with the VMF system, but compatible with electric heaters.
(3) Compatibility with VMF system.
(4) Not compatible with the VMF system.

VMF system

Model	Ver	32	34	36	38	42	44	62	64
VMF-E4DX	FCL,V2,VL	•	•	•	•	•	•	•	•
VMF-E4X	FCL,V2,VL	•	•	•	•	•	•	•	•
VMF-IO	FCL,V2,VL	•	•	•	•	•	•	•	•
VMF-IR	FCL,V2,VL	•	•	•	•	•	•	•	•
VMF-MOD	FCL,V2,VL	•	•	•	•	•	•	•	•
VMF-SW1	FCL,V2,VL	•	•	•	•	•	•	•	•

Model	Ver	72	82	84	102	104	122	124
VMF-E4DX	FCL,V2,VL	•	•	•	•	•	•	•
VMF-E4X	FCL,V2,VL	•	•	•	•	•	•	•
VMF-IO	FCL,V2,VL	•	•	•	•	•	•	•
VMF-IR	FCL,V2,VL	•	•	•	•	•	•	•
VMF-MOD	FCL,V2,VL	•	•	•	•	•	•	•
VMF-SW1	FCL,V2,VL	•	•	•	•	•	•	•

Control panels and dedicated accessories

Model	Ver	32	34	36	38	42	44	62	64	72	82	84	102	104	122	124
AER503IR (1)	FCL,V2,VL	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SA5 (2)	FCL,V2,VL	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Model	Ver	32	34	36	38	42	44	62	64	72	82	84	102	104	122	124
SIT3 (3)	FCL,V2,VL	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SIT5 (4)	FCL,V2,VL	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SW3 (2)	FCL,V2,VL	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SW4	FCL,V2,VL	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SW5 (2)	FCL,V2,VL	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
TX (1)	FCL,V2,VL	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
WMT10	FCL,V2,VL	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

(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.

For the compatibility of VMF components and command panels with the intake and delivery grilles, refer to the information given above.

3 way valve kit

Model	Ver	32	34	36	38	42	44	62	64
VHL1 (1)	FCL,V2,VL		•		•		•		•
VHL124 (1)	FCL,V2,VL		•		•		•		•

Model	Ver	72	82	84	102	104	122	124
VHL20 (1)	FCL,V2,VL			•		•		•
VHL2024 (1)	FCL,V2,VL			•		•		•

(1) Obligatory accessory in 4-pipe systems.

2 way valve kit

Model	Ver	32	34	36	38	42	44	62	64
VHL2 (1)	FCL,V2,VL		•		•		•		•
VHL224 (1)	FCL,V2,VL		•		•		•		•

Model	Ver	72	82	84	102	104	122	124
VHL22 (1)	FCL,V2,VL			•		•		•
VHL2224 (1)	FCL,V2,VL			•		•		•

(1) Compulsory accessory in 4-pipe systems with variable flow rate.

Valve Kit for 4 pipe systems

Model	Ver	32	34	36	38	42	44	62	64	72
VCFLX4 (1)	VL	•		•		•		•		•

(1) The valve must be commanded via command panels enabled for valve control.

Air filters

Model	Ver	32	34	36	38	42	44	62	64
FEL10	FCL,V2,VL	•	•	•	•	•	•	•	•

Model	Ver	72	82	84	102	104	122	124
FEL10	FCL,V2,VL	•						

Delivery flange

Model	Ver	32	34	36	38	42	44	62	64
KFL	FCL,V2,VL	•	•	•	•	•	•	•	•
KFLD	FCL,V2,VL	•	•	•	•	•	•	•	•

Model	Ver	72	82	84	102	104	122	124
KFL	FCL,V2,VL	•						
KFL20	FCL,V2,VL		•	•	•	•	•	•
KFLD	FCL,V2,VL	•						
KFLD20	FCL,V2,VL		•	•	•	•	•	•

Perimeter case

Model	Ver	32	34	36	38	42	44	62	64
FCLMC10 (1)	FCL,V2,VL	•	•	•	•	•	•	•	•

Model	Ver	72	82	84	102	104	122	124
FCLMC10 (1)	FCL,V2,VL	•						
FCLMC20 (1)	FCL,V2,VL		•	•	•	•	•	•

(1) Can only be combined with GLL/GLLI grilles

PERFORMANCE SPECIFICATIONS

2-pipe

		FCL32			FCL36			FCL42			FCL62			FCL72			FCL82			FCL102			FCL122		
		1	2	3	1	2	3	1	2	4	1	2	4	1	2	4	1	2	4	1	2	4	1	2	4
		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	2,22	2,95	4,00	3,42	4,50	6,27	3,32	4,47	7,34	5,19	6,37	10,49	6,14	7,57	11,32	5,88	8,12	11,88	8,30	11,71	17,73	10,53	14,73	21,75
Water flow rate system side	l/h	194	258	350	300	394	549	290	391	642	454	558	918	538	662	991	514	710	1039	726	1025	1551	921	1289	1903
Pressure drop system side	kPa	4	6	10	6	10	19	6	10	24	12	17	42	14	20	42	7	13	26	6	12	25	11	21	42
Cooling performance 7 °C / 12 °C (2)																									
Cooling capacity	kW	1,14	1,44	1,86	1,77	2,22	2,96	1,94	2,51	3,88	2,63	3,17	4,90	2,75	3,29	5,35	2,76	3,97	5,85	4,00	5,82	8,85	5,31	7,40	10,83
Sensible cooling capacity	kW	0,97	1,22	1,48	1,37	1,75	2,36	1,36	1,79	3,09	1,83	2,23	3,73	1,84	2,29	3,99	1,86	2,69	4,05	2,89	4,22	6,51	3,99	5,63	8,30
Water flow rate system side	l/h	200	253	327	308	387	516	337	437	679	458	551	856	484	571	938	482	695	1032	697	1012	1547	921	1292	1893
Pressure drop system side	kPa	4	7	10	6	9	15	7	11	25	12	16	36	13	18	43	7	14	28	7	13	28	10	19	38
Fan																									
Type	type	Centrifugal			Centrifugal			Centrifugal			Centrifugal			Centrifugal			Centrifugal			Centrifugal			Centrifugal		
Fan motor	type	Asynchronous			Asynchronous			Asynchronous			Asynchronous			Asynchronous			Asynchronous			Asynchronous			Asynchronous		
Number	no.	1			1			1			1			1			1			1			1		
Air flow rate	m^3/h	300	410	600	300	410	600	260	360	700	380	500	880	400	520	900	460	680	1100	560	830	1350	750	1100	1750
Sound power level	dB(A)	35,0	38,0	46,0	35,0	38,0	46,0	35,0	38,0	53,0	41,0	47,0	61,0	44,0	49,0	60,0	39,0	43,0	50,0	40,0	45,0	54,0	44,0	50,0	60,0
Input power	W	21	31	45	21	31	45	-	32	75	26	37	83	50	58	110	45	80	150	50	80	155	55	105	175
Diametre hydraulic ÿ ttings																									
Type	type	Gas - F			Gas - F			Gas - F			Gas - F			Gas - F			Gas - F			Gas - F			Gas - F		
Main coil	Ø	3/4"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"		
Water coil																									
Water content main coil	l	0,6			0,8			0,8			1,3			1,3			2,6			4,0			4,0		
Power supply																									
Power supply		230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz		

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

4-pipe

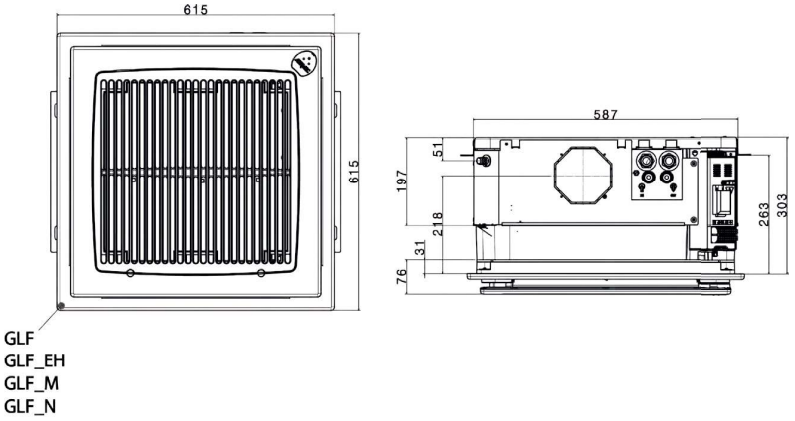
4-pipe

		FCL34			FCL38			FCL44			FCL64			FCL84			FCL104			FCL124		
		1	2	3	1	2	3	1	2	3	1	2	4	1	2	4	1	2	4	1	2	4
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 65 °C / 55 °C (1)																						
Heating capacity	kW	1,74	1,95	2,32	1,74	1,95	2,32	1,75	2,04	2,44	2,21	2,50	3,19	4,73	5,71	7,59	5,27	6,53	8,93	6,30	8,31	11,17
Water flow rate system side	l/h	152	171	203	152	171	203	153	178	240	194	219	279	414	500	664	461	571	782	551	727	977
Pressure drop system side	kPa	6	7	10	6	7	10	6	7	10	10	10	19	6	8	12	7	10	17	9	15	25
Cooling performance 7 °C / 12 °C (2)																						
Cooling capacity	kW	1,14	1,44	1,86	1,63	2,05	2,73	1,79	2,31	2,95	2,43	2,93	4,51	2,76	3,97	5,85	3,45	4,84	7,05	4,52	6,11	8,63
Sensible cooling capacity	kW	0,97	1,22	1,48	1,28	1,63	2,20	1,25	1,65	2,13	1,69	2,06	3,43	1,86	2,69	4,05	2,43	3,45	5,15	3,32	4,57	6,60
Water flow rate system side	l/h	200	253	327	284	358	476	314	396	626	424	510	793	482	695	1032	602	845	1238	786	1068	1513
Pressure drop system side	kPa	4	7	10	5	8	13	6	10	15	11	16	35	6	12	25	7	13	26	12	22	38
Fan																						
Type	type	Centrifugal			Centrifugal			Centrifugal			Centrifugal			Centrifugal			Centrifugal			Centrifugal		
Fan motor	type	Asynchronous			Asynchronous			Asynchronous			Asynchronous			Asynchronous			Asynchronous			Asynchronous		
Number	no.	1			1			1			1			1			1			1		
Air flow rate	m^3/h	300	410	600	300	410	600	260	360	530	380	500	880	460	680	1100	560	830	1350	750	1100	1750
Sound power level	dB(A)	35,0	38,0	46,0	35,0	38,0	46,0	35,0	39,0	46,0	41,0	47,0	61,0	39,0	43,0	50,0	40,0	45,0	54,0	46,0	50,0	60,0
Input power	W	21	31	45	21	31	45	22	32	47	32	45	101	45	80	150	50	80	155	55	105	175
Diametre hydraulic ÿ ttings																						
Type	type	Gas - F			Gas - F			Gas - F			Gas - F			Gas - F			Gas - F			Gas - F		
Main coil	Ø	3/4"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"		
Secondary coil	Ø	1/2"			1/2"			1/2"			1/2"			1/2"			1/2"			1/2"		
Water coil																						
Water content main coil	l	0,8			0,8			0,8			1,1			2,6			2,6			2,6		
Water content the secondary coil	l	0,2			0,2			0,2			0,2			1,4			1,4			1,4		
Power supply																						
Power supply		230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz		

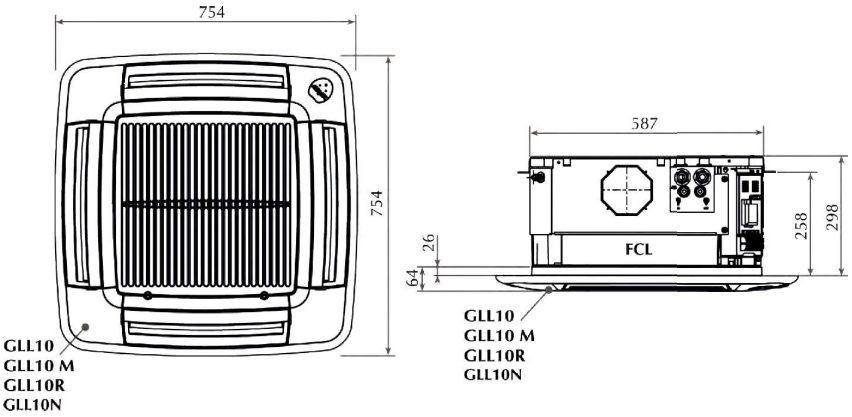
(1) Room air temperature 20°C d.b.; Water (in/out) 65 °C/55 °C; EUROVENT
(2) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT

DIMENSIONS

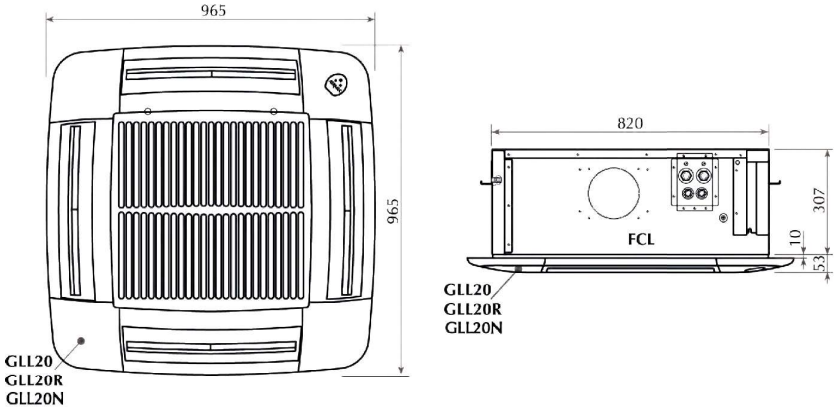
Dimensions FCL 32 - 34 - 36 - 38 - 42 - 44 - 64 - 72 con GLF



Dimensions FCL 32 - 34 - 36 - 38 - 42 - 44 - 64 - 72 con GLL



Dimensions FCL 82 - 84 - 102- 104 - 122 - 124 con GLL



Size			102	104	122	124	32	34	36	38	42	44	62	64	72	82	84
Dimensions and weights																	
	FCL	kg	36	36	36	36	20	21	20	21	21	21	22	22	22	35	36
Empty weight	V2	kg	36	36	36	36	20	21	20	21	20	21	21	22	22	35	36
	VL	kg	35	35	35	35	20	20	20	20	20	20	22	22	22	34	35

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www.aermec.com

FCLI

Fan coil for cassette installation

- **Electric saving equal to 50% with respect to a fan coil with 3-speed motor**
- **Total comfort: reduced temperature and relative humidity variations**
- **Standard internal three-way valve**
- **Version with 2-way valve for variable water flow rate systems**
- **Version without valves**

DESCRIPTION

4-way cassettes that can be installed in any type of 2- or 4-pipe system with any heat generator, even at low temperatures. Thanks to the selection of versions and configurations, it's easy to choose the best solution for every need.

FEATURES

Intake grid and distribution of the air

The recovery and air diffusion grille has an elegant design. In plastic, RAL 9010.
The dimensions of the first 5 sizes comply with the 600x600 mm modularity of false ceilings, whereas the larger sizes measuring 840x840 mm are designed for quiet operation and optimum performance of these large models.

Load-bearing structure

Models with a 600x600 mm module have a reinforced load-bearing structure with side panels in galvanised steel sheet, thermally insulated with internal polystyrene foam elements.
The structure of models with a 840x840 mm module is made entirely of galvanised steel sheet, thermally insulated with polyethylene foam on the inside and with an anti-condensate felt coating.

Ventilation group

Formed of a particularly quiet axial-centrifugal fan, statically and dynamically balanced.
The Brushless electric motor with 0-100% continuous speed variation, which allows precise adaptation to the real demands of the internal environment without temperature fluctuations.
The air flow can be continuously changed through a 1-10 V signal, coming from adjustment and control commands Aermec or from independent adjustment systems.
This lowers noise and generates a better response to heat loads and a higher stability in the desired temperature inside the room.
The high efficiency even with low speed, makes it possible to reduce power consumption (more than 50% less than fan coils with traditional motors).

Heat exchanger coil

Heat exchanger with shaped profile to increase the exchange surface, and easily accessible drain valves.
There are models with a single coil for 2-pipe systems, with the possibility to add an electric heater too, and models with two coils for 4-pipe systems.
There is the possibility to combine outside air with the inlet ambient air, and to distribute it in separate rooms.
The coil is not suitable for use in corrosive atmosphere or in environments where aluminium may be subject to corrosion.

Condensate drip

Condensation drip tray in one piece, with V0 self-extinguishing level and overmoulding to insulation in expanded polystyrene with flame retardant additive.

Air filter

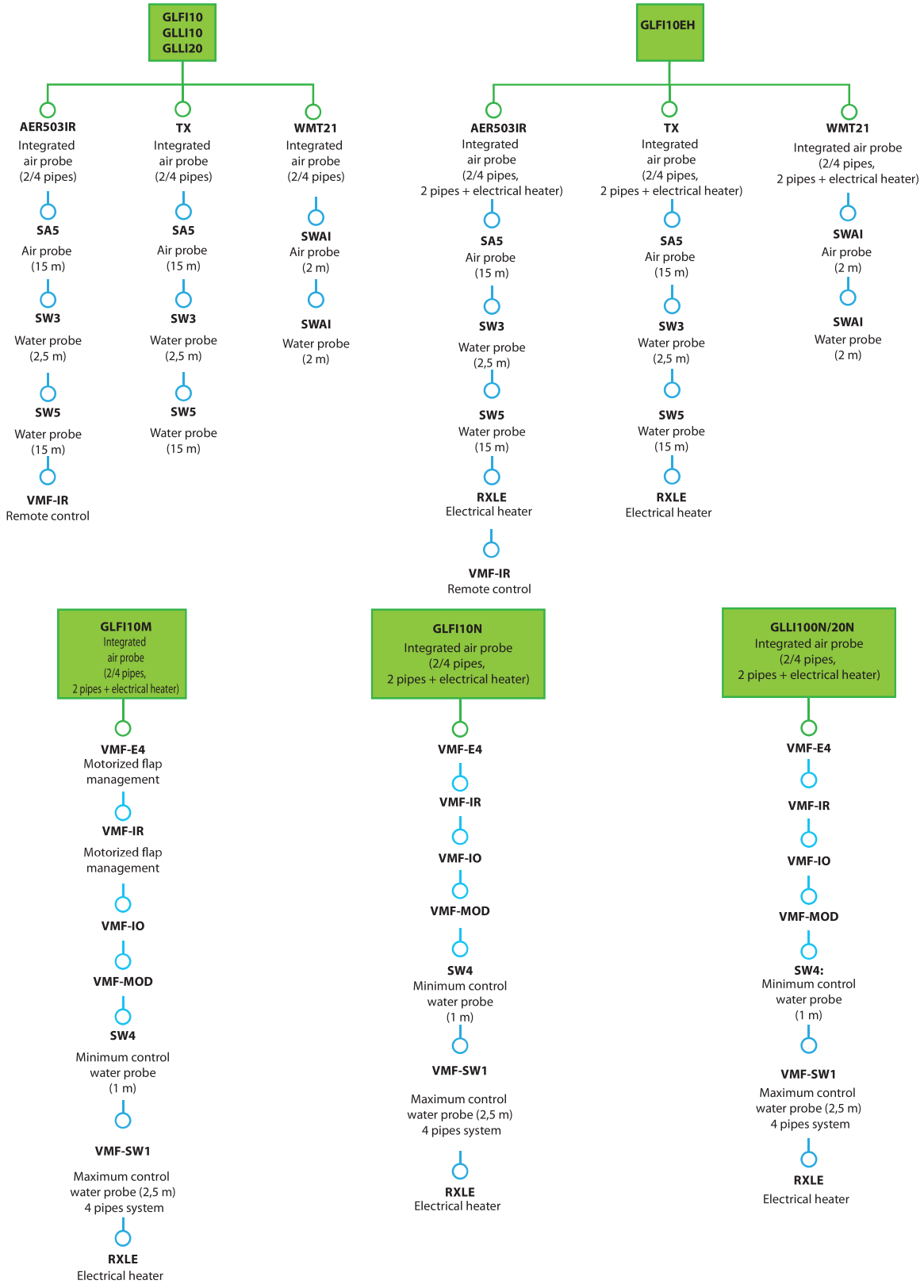
Air filter easily removed and cleaned, self-supporting structure, characterised by a high efficiency and low pressure drops, with class-V0 fire resistance (UL 94).

Versions

FCLI Standard
V2 With internal 2-way valve
VL Without internal valve but with microproccessor control

ACCESSORIES

Accessories that can be combined with the grilles



Intake grids and distribution of the air, compulsory accessory

GLFI10: Recovery and air supply grille in plastic, RAL 9010 colour, measuring 600x600 mm adapts perfectly to standard false ceilings without overlapping parts. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits with manually orientated fins. Must be combined with a wall-mounted panel. (size 840x840 mm not available).

GLFI10EH: Recovery and air supply grille in plastic, RAL 9010 colour, measuring 600x600 mm; adapts perfectly to standard false ceilings without overlapping parts. Suitable for use with the RXLE heater. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits with manually orientated fins. Must be combined with a wall-mounted panel. (size 840x840 mm not available).

GLFI10M: Recovery and air supply grille in plastic, RAL 9010 colour, measuring 600x600 mm adapts perfectly to standard false ceilings without overlapping parts. It is equipped with an infrared receiver with an emergency operation button, a thermostat card which also requires the installation of the VMF-E4 panel or the VMF-IR remote control. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits that can be manually orientated. (size 840x840 not available).

GLFI10N: Recovery and air supply grille in plastic, RAL 9010 colour, measuring 600x600 mm, adapts perfectly to standard false ceilings without overlapping parts. Fitted with a thermostat board that necessarily requires the installation of the VMF-E4 or VMF-IR panel as well. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits that can be manually orientated. (size 800x800 mm not available).

GLLI100: Recovery and air supply grille in plastic, RAL 9010 colour, measuring 600x600 mm; adapts perfectly to standard false ceilings without overlapping parts. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits that can be manually orientated. Must be combined with a wall-mounted panel.

GLLI100EH: Recovery and air supply grille in plastic, RAL 9010 colour, measuring 600x600 mm; adapts perfectly to standard false ceilings without overlapping parts. Suitable for use with the RXLE heater. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits with manually orientated fins. Must be combined with a wall-mounted panel. (size 840x840 mm not available).

GLLI100N: Recovery and air supply grille in plastic, RAL 9010 colour, measuring 600x600 mm; adapts perfectly to standard false ceilings without overlapping parts. Fitted with a thermostat board that necessarily requires the installation of the VMF-E4X panel as well, and suitable for use with the RXLE heater. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits that can be orientated with the remote control.

GLLI20: Recovery and air supply grille in plastic, RAL 9010 colour, measuring 840x840 mm, adapts perfectly to standard false ceilings without overlapping parts. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits that can be manually orientated. Must be combined with a wall-mounted panel.

GLLI20N: Recovery and air supply grille in plastic, RAL 9010 colour, measuring 840x840 mm, adapts perfectly to standard false ceilings without overlapping parts. Fitted with a thermostat board that necessarily requires the installation of the VMF-E4X or VMF-IR panel as well. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits that can be manually orientated.

VMF system

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-SW: Water temperature probe.

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

Control panels and their 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.

SW4: Water temperature probe allowing automatic season change on electronic controllers supplied with water-side change over.

SWAI: External air or water temperature probe.

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).

WMT21: Electronic thermostat for inverter fancoils.

Electric heaters

RXLE: Electric heater for heating, can be installed on board the units.

RXLE20: Electric heater for heating, can be installed on board the units.

Water valve kit

VCFLX4: 3-way valve kit for single-coil fan coil 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.

VHL1: 3-way motorised valve kit with 4 connections including the actuator. 230V~50Hz power supply.

VHL124: 3-way motorised valve kit with 4 connections including the actuator. 24V power supply.

VHL20: Motorised 3-way valve kit with 4 connections, complete with actuator and the relative hydraulic couplings. 230V~50Hz power supply.

VHL2024: Motorised 3-way valve kit with 4 connections, complete with actuator and the relative hydraulic couplings. 24V power supply.

VHL2: 2-way motorised valve kit with 2 connections including the actuator. Power supply 230V~50Hz;

VHL22: Motorised 2-way valve kit with 2 connections, complete with actuator and the relative hydraulic couplings. Power supply 230V~50Hz;

VHL2224: Motorised 2-way valve kit with 2 connections, complete with actuator and the relative hydraulic couplings. 24V power supply.

VHL224: 2-way motorised valve kit with 2 connections including the actuator. 24V power supply.

Installation accessories

FEL10: Kit n°5 electrostatically pre-charged air filter, with fire resistance class 2 (UL 900).

KFL: Delivery flange, allowing the air to be directed to an adjacent room.

KFL20: Delivery flange, allowing the air to be directed to an adjacent room. Up to three KFL20 can be assembled on a single unit.

KFLD: Suction flange, allows to introduce external air directly into the room without mixing.

KFLD20: Suction flange, allows to introduce external air directly into the room without mixing. Up to two KFL20D can be assembled on a single unit.

FCLMC10: Perimeter housing in painted galvanised sheet metal, 600x600 mm, used when the fan coil is installed outside the false ceiling. It has an aesthetic and protective purpose only, so the technical characteristics of the fan coil remain unaltered. Can only be combined with GLL/GLLI grilles.

FCLMC20: Perimeter housing in painted sheet metal, 840x840 mm, used when the fan coil is installed outside the false ceiling. It has an aesthetic and protective purpose only, so the technical characteristics of the fan coil remain unaltered. Can only be combined with GLL/GLLI grilles.

FCLMC20IK: Installation kit for the inverter controller. Mandatory for units with FCLMC20.

ACCESSORIES COMPATIBILITY

Intake grids and distribution of the air

Model	Ver	32	34	42	44	62	64	82	122	124
GLFI10 (1)	FCLI,V2,VL	•	•	•	•	•	•			
GLFI10EH (2)	FCLI,V2,VL	•	•	•	•	•	•			
GLFI10M (3)	FCLI,V2,VL	•	•	•	•	•	•			
GLFI10N (3)	FCLI,V2,VL	•	•	•	•	•	•			

(1) Not compatible with the VMF system and electric heaters.
(2) Not compatible with the VMF system.
(3) Compatible with the VMF system and electric heaters.

Intake grid and distribution of the air

Model	Ver	32	34	42	44	62	64	82	122	124
GLLI100 (1)	FCLI,V2,VL	•	•	•	•	•	•			
GLLI100EH (2)	FCLI,V2,VL	•	•	•	•	•	•			
GLLI100N (3)	FCLI,V2,VL	•	•	•	•	•	•			
GLLI20 (1)	FCLI,V2,VL							•	•	•
GLLI20N (3)	FCLI,V2,VL							•	•	•

(1) Not compatible with the VMF system and electric heaters.
(2) Not compatible with the VMF system, but compatible with electric heaters.
(3) Compatibility with VMF system.

VMF system

Model	Ver	32	34	42	44	62	64	82	122	124
VMF-E4DX	FCLI,V2,VL	•	•	•	•	•	•	•	•	•
VMF-E4X	FCLI,V2,VL	•	•	•	•	•	•	•	•	•
VMF-IO	FCLI,V2,VL	•	•	•	•	•	•	•	•	•
VMF-IR	FCLI,V2,VL	•	•	•	•	•	•	•	•	•
VMF-SW	FCLI,V2,VL	•	•	•	•	•	•	•	•	•
VMF-SW1	FCLI,V2,VL	•	•	•	•	•	•	•	•	•

Control panels and dedicated accessories

Model	Ver	32	34	42	44	62	64	82	122	124
AER503IR (1)	FCLI,V2,VL	•	•	•	•	•	•	•	•	•
SW4	FCLI,V2,VL	•	•	•	•	•	•	•	•	•
SWAI (2)	FCLI,V2,VL	•	•	•	•	•	•	•	•	•
TX (1)	FCLI,V2,VL	•	•	•	•	•	•	•	•	•
WMT21	FCLI,V2,VL	•	•	•	•	•	•	•	•	•

(1) Wall-mount installation.
(2) Probe for thermostat WMT21.

For the compatibility of VMF components and command panels with the intake and delivery grilles, refer to the information given above.

3 way valve kit

Model	Ver	32	34	42	44	62	64	82	122	124
VHL1 (1)	VL		•		•		•			
VHL124 (1)	VL		•		•		•			
VHL20 (1)	VL									•
VHL2024 (1)	VL									•

(1) Obligatory accessory in 4-pipe systems.

2 way valve kit

Model	Ver	32	34	42	44	62	64	82	122	124
VHL2 (1)	VL		•		•		•			
VHL22 (1)	VL									•
VHL2224 (1)	VL									•
VHL224 (1)	VL		•		•		•			

(1) Compulsory accessory in 4-pipe systems with variable flow rate.

Valve Kit for 4 pipe systems

Model	Ver	32	34	42	44	62	64	82	122	124
VCFLX4 (1)	VL	•		•		•				

(1) The valve must be commanded via command panels enabled for valve control.

Air filters

Model	Ver	32	34	42	44	62	64	82	122	124
FEL10	FCLI,V2,VL	•	•	•	•	•	•			

Delivery and suction flange

Model	Ver	32	34	42	44	62	64	82	122	124
KFL	FCLI,V2,VL	•	•	•	•	•	•			
KFL20	FCLI,V2,VL							•	•	•
KFLD	FCLI,V2,VL	•	•	•	•	•	•			
KFLD20	FCLI,V2,VL							•	•	•

Perimeter case

Model	Ver	32	34	42	44	62	64	82	122	124
FCLMC10 (1)	FCLI,V2,VL	•	•	•	•	•	•			
FCLMC20 (1)	FCLI,V2,VL							•	•	•
FCLMC20IK (2)	FCLI,V2,VL							•	•	•

(1) Can only be combined with GLL/GLLI grilles
(2) Mandatory for units with FCLMC20.

PERFORMANCE SPECIFICATIONS

2-pipe

		FCLI32			FCLI42			FCLI62			FCLI82			FCLI122		
		1	2	3	1	2	4	1	2	4	1	2	4	1	2	4
		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	2,22	2,95	4,00	3,32	4,47	7,34	5,19	6,37	10,49	5,88	8,12	11,88	10,53	14,73	21,75
Water flow rate system side	l/h	194	258	350	290	391	642	454	558	918	514	710	1039	921	1289	1903
Pressure drop system side	kPa	4	6	10	6	10	24	12	17	42	7	13	26	11	21	42
Heating performance 45 °C / 40 °C (2)																
Heating capacity	kW	1,10	1,47	1,98	1,67	2,21	3,64	2,58	3,21	5,21	2,94	4,05	5,90	5,28	7,37	10,80
Water flow rate system side	l/h	192	254	345	287	386	633	448	550	905	507	701	1025	909	1271	1877
Pressure drop system side	kPa	4	6	11	5	9	21	10	17	41	7	13	23	12	21	41
Cooling performance 7 °C / 12 °C (3)																
Cooling capacity	kW	1,15	1,46	1,88	1,95	2,52	3,90	2,65	3,19	4,92	2,79	4,04	5,97	5,34	7,47	10,87
Sensible cooling capacity	kW	0,98	1,24	1,50	1,37	1,80	3,11	1,85	2,25	3,75	1,89	2,76	4,17	4,02	5,70	8,34
Water flow rate system side	l/h	200	253	327	337	437	679	458	551	856	482	695	1032	921	1292	1893
Pressure drop system side	kPa	4	4	13	7	11	25	12	16	36	7	12	28	10	19	38
Fan																
Type	type	Centrifugal			Centrifugal			Centrifugal			Centrifugal			Centrifugal		
Fan motor	type	Inverter			Inverter			Inverter			Inverter			Inverter		
Number	no.	1			1			1			1			1		
Air flow rate	m^3/h	300	410	600	260	360	700	380	500	880	460	680	1100	750	1100	1750
Input power	W	10	13	18	12	16	55	14	20	61	10	14	33	16	33	135
Signal 0-10V	%	42	62	90	34	46	90	40	52	90	38	54	90	38	54	90
Cassettes sound data (4)																
Sound power level	dB(A)	35,0	38,0	46,0	35,0	38,0	53,0	41,0	47,0	61,0	44,0	43,0	50,0	44,0	50,0	60,0
Sound pressure	dB(A)	26,0	29,0	37,0	26,0	30,0	44,0	32,0	38,0	52,0	30,0	34,0	41,0	35,0	41,0	51,0
Diametre hydraulic ÿ ttings																
Main coil	Ø	3/4"			3/4"			3/4"			3/4"			3/4"		
Secondary coil	Ø	-			-			-			-			-		
Power supply																
Power supply		230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz			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) For the cassettes, Aermec determines the value of the sound power on the basis of measurements carried out in accordance with the standard UNI EN 16583:15, in observance of the EUROVENT certification and the level of sound pressure (weighed A) measured in an environment with volume V=100m3, reverberation time t=0.5s direction factor Q=2; distance r=2.5m.

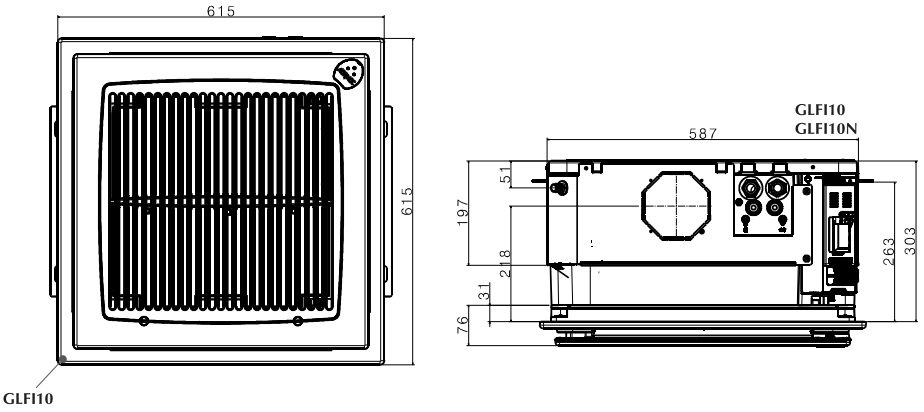
4-pipe

		FCLI34			FCLI44			FCLI64			FCLI124		
		1	2	3	1	2	3	1	2	4	1	2	4
		L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 65 °C / 55 °C (1)													
Heating capacity	kW	1,70	1,97	2,32	1,70	2,02	2,74	2,05	2,76	3,14	6,46	8,30	11,10
Water flow rate system side	l/h	152	171	203	153	178	240	194	219	279	551	727	977
Pressure drop system side	kPa	5	7	9	6	7	12	9	11	19	10	15	25
Cooling performance 7 °C / 12 °C (2)													
Cooling capacity	kW	1,15	1,46	1,88	1,80	2,32	3,59	2,29	2,76	4,25	4,55	6,19	8,67
Sensible cooling capacity	kW	0,98	1,24	1,50	1,26	1,66	2,87	1,59	1,93	3,22	3,35	4,64	6,64
Water flow rate system side	l/h	200	253	327	314	396	626	424	510	793	786	1068	1513
Pressure drop system side	kPa	4	7	10	6	10	23	16	23	50	10	20	38
Fan													
Type	type	Centrifugal											
Fan motor	type	Inverter											
Number	no.	1			1			1			1		
Air flow rate	m^3/h	300	410	600	260	360	700	380	500	880	750	1100	1750
Input power	W	10	13	18	12	16	55	14	20	61	16	33	135
Signal 0-10V	%	42	62	90	34	46	90	40	52	90	38	58	90
Cassettes sound data (3)													
Sound power level	dB(A)	35,0	38,0	53,0	38,0	39,0	53,0	41,0	47,0	61,0	44,0	52,0	60,0
Sound pressure	dB(A)	26,0	29,0	44,0	29,0	30,0	44,0	32,0	38,0	52,0	35,0	41,0	51,0
Diametre hydraulic ÿ ttings													
Main coil	Ø	3/4"											
Secondary coil	Ø	1/2"											
Power supply													
Power supply		230V~50Hz											

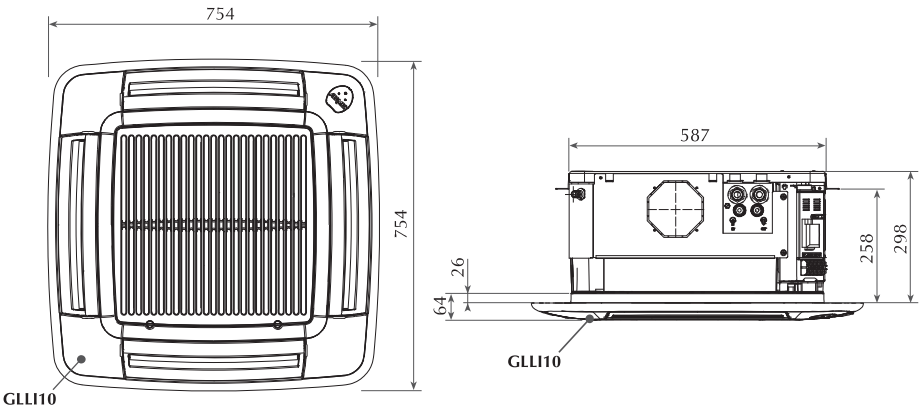
(1) Room air temperature 20°C d.b.; Water (in/out) 65 °C/55 °C; EUROVENT
(2) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT
(3) For the cassettes, Aermec determines the value of the sound power on the basis of measurements carried out in accordance with the standard UNI EN 16583:15, in observance of the EUROVENT certification and the level of sound pressure (weighed A) measured in an environment with volume V=100m3, reverberation time t=0.5s direction factor Q=2; distance r=2.5m.

DIMENSIONS

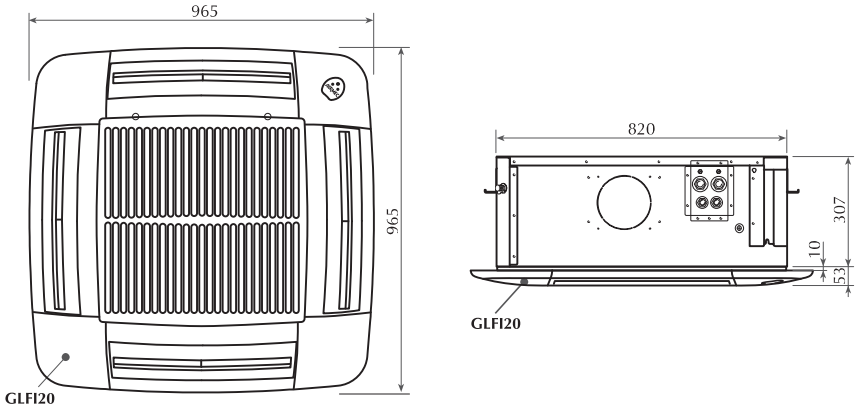
Dimensions FCLI 32 - 34 - 42 - 44 - 62 - 64 con GLFI



Dimensions FCLI 32 - 34 - 42 - 44 - 62 - 64 con GLLI



Dimensions FCLI 82 - 122 - 124 con GLLI



Size			122	124	32	34	42	44	62	64	82
Dimensions and weights											
	FCLI	kg	36	36	21	21	22	21	22	23	35
Empty weight	V2	kg	36	36	21	21	21	21	22	23	35
	VL	kg	35	35	20	21	20	21	22	22	34

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FCW

Fan coils wall-mount installation

- **Versions with internal 2 or 3-way valve**
- **Compact dimensions**

DESCRIPTION

Fan coil model for wall-mount installations, whose elegance and reduced dimensions make it aesthetically pleasing; this terminal is thus suitable for applications in residential or light commercial sectors.
To respond to the various system requirements, the product is configurable and available with or without (2- or 3-way) valve, as well as with or without control board, which ensures compatibility with various system requirements.
Fan coils without control board must be necessarily combined with an external control device.

VERSIONS

2V Internal 2-way valve and microprocessor control
2VN Internal 2-way valve without microprocessor control
3V Internal 3-way valve and microprocessor control
3VN Internal 3-way valve without microprocessor control
VL Without internal valve but with microproccessor control
VLN Without internal valve and microproccessor control

FEATURES

Case

Aesthetically styled with flat panel:
— Microprocessor control
— Air flow louvered fins with horizontal adjustment facility
— Colors pure white pantone GRIS 1C RAL 9010.

Ventilation group

Consisting of a tangential fan, especially quiet and directly coupled to the motor shaft.
Three-speed cross flow fan.

Heat exchanger coil

With copper pipes and aluminium louvers, the main coil has female gas hydraulic connections and is fitted with air vents.
The coil is not suitable for use in corrosive atmosphere or in environments where aluminium may be subject to corrosion.

Air filter

Fan coils are fitted with air filters easy to remove and clean.

Control

The versions with microprocessor control have:
— Timer for programming switch-off or switch-on (TLW2 and PFW2)
— Program for operation in automatic, cooling, heating, ventilation and air ionising mode (TLW2 and PFW2)
— Night time Well-being Program (TLW2)
— Automatic season change (TLW2 and PFW2)
— Automatic re-start after power cut.

ACCESSORIES

For models with control board installed

FCW_2V, 3V, VL it is mandatory to select among the user interfaces designed for the FCW series (TLW2 or PFW2)

PFW2: Wired panel to control all the functions of the unit. It is supplied separately and can control only one unit. The panel must be installed on the wall and connected to the fan coil with the supplied cable, 7.5 meters long.

TLW2: Infrared remote control with liquid crystal display for controlling all unit functions. The remote control is delivered separately from the fan coil; with a single remote control it is possible to control more than one fan coil. The remote control is equipped with a support that allows you to hang it on the wall, from which it can be operated without having to be removed.

TLW2

PFW2

For models without control board installed

FCW_2VN, 3VN, VLN a user interface must be mounted outside the fan coil, using either a visible or a recessed wall-mount installation.

To make the selection please refer to the "control panels" or "VMF system shett" where you will find comprehensive information on this topic.

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-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.

ACCESSORIES COMPATIBILITY

VMF system

Control panels and dedicated accessories

Model	Ver	22	32	42	52
PFW2	2V,3V,VL	•	•	•	•
TLW2 (1)	2V,3V,VL	•	•	•	•

(1) Accessory is required for operating the fan coil as an alternative to the wired remote control panel PFW2. mandatory accessory for versions with controller FCW_2V, FCW_3V, FCW_VL.

PERFORMANCE SPECIFICATIONS

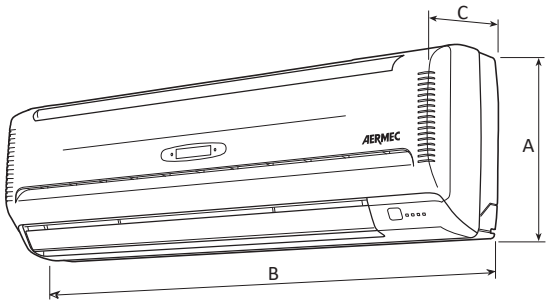
2-pipe

		FCW22VL			FCW32VL			FCW42VL			FCW52VL			FCW222V			FCW223V		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 70 °C / 60 °C (1)																			
Heating capacity	kW	2,85	3,66	4,29	3,73	4,51	5,24	6,44	7,84	8,56	8,20	13,06	15,28	2,35	3,02	4,03	2,35	3,02	4,03
Water flow rate system side	l/h	250	321	377	328	396	460	565	688	751	718	1145	1339	206	265	354	206	265	354
Pressure drop system side	kPa	4	6	9	9	12	16	16	22	26	10	23	30	9	14	24	9	14	24
Heating performance 45 °C / 40 °C (2)																			
Heating capacity	kW	1,42	1,82	2,14	1,85	2,24	2,61	3,21	3,90	4,26	4,10	6,50	7,60	1,17	1,50	2,00	1,17	1,50	2,00
Water flow rate system side	l/h	246	316	371	322	390	453	556	677	739	712	1129	1320	203	261	348	203	261	348
Pressure drop system side	kPa	4	6	8	9	12	16	15	22	25	10	22	29	9	14	24	9	14	24
Cooling performance 7 °C / 12 °C (3)																			
Cooling capacity	kW	1,37	1,74	2,05	1,78	2,15	2,50	3,07	3,74	4,08	4,40	6,50	7,45	1,10	1,45	1,90	1,10	1,45	1,90
Sensible cooling capacity	kW	1,16	1,47	1,73	1,51	1,82	2,04	2,59	3,10	3,47	3,30	5,05	5,80	0,92	1,20	1,55	0,92	1,20	1,55
Water flow rate system side	l/h	236	299	353	306	370	430	528	643	702	755	1115	1278	189	249	327	189	249	327
Pressure drop system side	kPa	5	7	9	8	11	15	15	21	26	12	24	30	9	14	23	9	14	23
Fan																			
Type	type	Tangential			Tangential			Tangential			Tangential			Tangential			Tangential		
Fan motor	type	Asynchronous			Asynchronous			Asynchronous			Asynchronous			Asynchronous			Asynchronous		
Number	no.	1			1			1			1			1			1		
Air flow rate	m^3/h	280	340	389	330	400	446	476	602	684	592	945	1179	270	330	380	270	330	380
Input power	W	23	24	27	22	23	27	31	41	48	38	55	75	23	24	27	23	24	27
Fan coil sound data (4)																			
Sound power level	dB(A)	42,0	48,0	53,0	42,0	48,0	53,0	44,0	49,0	54,0	44,0	54,0	60,0	42,0	48,0	53,0	42,0	48,0	53,0
Sound pressure	dB(A)	34,0	39,5	44,5	34,0	39,5	44,5	35,5	40,5	45,5	35,5	45,5	51,5	34,0	39,5	44,5	34,0	39,5	44,5
Diametre hydraulic ÿ ttings																			
Main coil	Ø	1/2"			1/2"			1/2"			1/2"			1/2"			1/2"		
Power supply																			
Power supply		230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz		

		FCW322V			FCW323V			FCW422V			FCW423V			FCW522V			FCW523V		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 70 °C / 60 °C (1)																			
Heating capacity	kW	3,25	4,36	5,03	3,25	4,36	5,03	6,29	7,23	7,97	6,29	7,23	7,97	8,04	11,80	14,00	8,04	11,80	14,00
Water flow rate system side	l/h	286	383	442	286	383	442	552	635	699	552	635	699	704	1034	1227	704	1034	1227
Pressure drop system side	kPa	13	22	29	13	22	29	21	27	32	21	27	32	10	21	28	10	21	28
Heating performance 45 °C / 40 °C (2)																			
Heating capacity	kW	1,62	2,17	2,50	1,62	2,17	2,50	3,13	3,60	3,96	3,13	3,60	3,96	4,00	5,90	7,00	4,00	5,90	7,00
Water flow rate system side	l/h	281	377	434	281	377	434	543	624	688	543	624	688	695	1025	1216	695	1025	1216
Pressure drop system side	kPa	13	22	29	13	22	29	20	26	31	20	26	31	11	22	30	11	22	30
Cooling performance 7 °C / 12 °C (3)																			
Cooling capacity	kW	1,55	2,08	2,40	1,55	2,08	2,40	3,00	3,45	3,80	3,00	3,45	3,80	4,00	6,00	7,00	4,00	6,00	7,00
Sensible cooling capacity	kW	1,28	1,68	1,97	1,28	1,68	1,97	2,01	2,50	2,85	2,01	2,50	2,85	2,85	4,50	5,30	2,85	4,50	5,30
Water flow rate system side	l/h	267	358	413	267	358	413	516	593	654	516	593	654	686	1030	1201	686	1030	1201
Pressure drop system side	kPa	13	22	29	13	22	29	21	27	32	21	27	32	11	23	30	11	23	30
Fan																			
Type	type	Tangential			Tangential			Tangential			Tangential			Tangential			Tangential		
Fan motor	type	Asynchronous			Asynchronous			Asynchronous			Asynchronous			Asynchronous			Asynchronous		
Number	no.	1			1			1			1			1			1		
Air flow rate	m^3/h	320	390	440	320	390	440	370	470	540	370	470	540	535	859	1082	535	859	1082
Input power	W	22	23	27	22	23	27	31	41	48	31	41	48	38	55	75	38	55	75
Fan coil sound data (4)																			
Sound power level	dB(A)	42,0	48,0	53,0	42,0	48,0	53,0	44,0	49,0	54,0	44,0	49,0	54,0	44,0	54,0	60,0	44,0	54,0	60,0
Sound pressure	dB(A)	34,0	39,5	44,5	34,0	39,5	44,5	35,5	40,5	45,5	35,5	40,5	45,5	35,5	45,5	51,5	35,5	45,5	51,5
Diametre hydraulic ÿ ttings																			
Main coil	Ø	1/2"			1/2"			1/2"			1/2"			1/2"			1/2"		
Power supply																			
Power supply		230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz			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



		FCW22VL	FCW32VL	FCW42VL	FCW52VL	FCW222V	FCW223V
Dimensions and weights							
A	mm	298	305	360	365	298	298
B	mm	880	990	1170	1450	880	880
C	mm	205	210	220	230	205	205
Empty weight	kg	9	10	19	28	9	9

		FCW322V	FCW323V	FCW422V	FCW423V	FCW522V	FCW523V
Dimensions and weights							
A	mm	305	305	360	360	365	365
B	mm	990	990	1170	1170	1450	1450
C	mm	210	210	220	220	230	230
Empty weight	kg	10	10	19	19	28	28

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FCWI

Fan coils wall-mount installation

- **Versions with internal 2 or 3-way valve**
- **Electric saving equal to 50% with respect to a fan coil with 3-speed motor**
- **Total comfort: reduced temperature and humidity oscillations**
- **Fully silent operation**

DESCRIPTION

Fan coil model for wall-mount installations, whose elegance and reduced dimensions make it aesthetically pleasing; this terminal is thus suitable for applications in residential or light commercial sectors.
The product is configurable and available with or without (2- or 3-way) valve which ensures compatibility with various system requirements.

VERSIONS

2V Internal 2-way valve and microprocessor control
3V Internal 3-way valve and microprocessor control
VL Without internal valve but with microproccessor control

FEATURES

Case

Aesthetically styled with flat panel:
— Air flow louvered fins with horizontal adjustment facility
— Motorised deflector louvers that can be activated by remote control TLW3 for vertical orientation of the outlet air with steps fixed positions and continuous oscillation
— Colors pure white pantone GRIS 1C RAL 9010.

Ventilation group

Consisting of a tangential fan, especially quiet and directly coupled to the motor shaft.
Brushless motor with continuous speed variation 0-100%.
Inverter motor allows precise adaptation to the real indoor environment requirements without temperature oscillations.
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).

Heat exchanger coil

With copper pipes and aluminium louvers, the main coil has female gas hydraulic connections and is fitted with air vents.
The coil is not suitable for use in corrosive atmosphere or in environments where aluminium may be subject to corrosion.

Air filter

Fan coils are fitted with air filters easy to remove and clean.

Control

The versions with microprocessor control have:
— Timer for programming switch-off or switch-on (TLW3/ PFW3)
— Program for operation in automatic, cooling, heating, ventilation and air ionising mode (TLW3/ PFW3)
— Night time Well-being Program (TLW3/ PFW3)
— Automatic season change (TLW3/ PFW3)
— Automatic re-start after power cut.
— Option of contact on the terminal board which enables to obtain a signal (230V, max 1A) with which to control the system pump.

ACCESSORIES

For models with control board installed

FCWI_2V, 3V, VL it is mandatory to select among the user interfaces designed for the FCWI series (TLW3 o PFW3)

PFW3: This accessory is essential for fan coil operation (as an alternative to TLW3). The PFW3 wired panel is supplied separately from the fan coil. It is used to set the main device operating parameters, and is essential for setting the Modbus address of the unit (handy only if you want to command the unit via the RS-485 port).

TLW3: Mandatory accessory. Infrared remote control with liquid crystal display for controlling all unit functions. The remote control is delivered separately from the fan coil; with a single remote control it is possible to control more than one fan coil. The remote control is equipped with a support that allows you to hang it on the wall, from which it can be operated without having to be removed.

VMF-485LINK: Expansion to interface the unit with the VMF communication protocol, making it possible to manage it from the VMF-E5 or VMF-E6 supervisors.

TLW3

PFW3

ACCESSORIES COMPATIBILITY

Control panels and dedicated accessories

Model	Ver	22	32	42	52
PFW3 (1)	2V,3V,VL	•	•	•	•
TLW3 (1)	2V,3V,VL	•	•	•	•

(1) Mandatory accessory.

Model	Ver	22	32	42	52
VMF-485LINK	2V,3V,VL	•	•	•	•

PERFORMANCE SPECIFICATIONS

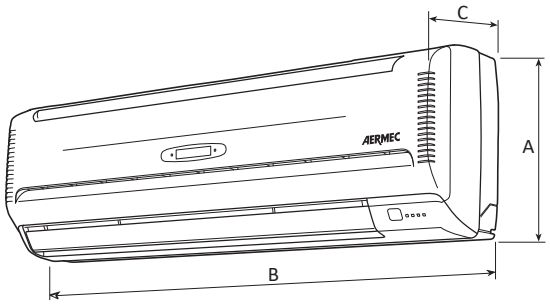
2-pipe

		FCWI22VL			FCWI32VL			FCWI42VL			FCWI52VL			FCWI222V			FCWI223V		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 70 °C / 60 °C (1)																			
Heating capacity	kW	2,85	3,66	4,29	3,73	4,51	5,24	6,44	7,84	8,56	8,20	13,06	15,28	2,35	3,02	4,03	2,35	3,02	4,03
Water flow rate system side	l/h	250	321	377	328	396	460	565	688	751	718	1145	1339	206	265	354	206	265	354
Pressure drop system side	kPa	4	6	9	9	12	16	16	22	26	10	23	30	9	14	24	9	14	24
Heating performance 45 °C / 40 °C (2)																			
Heating capacity	kW	1,42	1,82	2,14	1,85	2,24	2,61	3,21	3,90	4,26	4,10	6,50	7,60	1,17	1,50	2,00	1,17	1,50	2,00
Water flow rate system side	l/h	246	316	371	322	390	453	556	677	739	712	1129	1320	203	261	348	203	261	348
Pressure drop system side	kPa	4	6	8	9	12	16	15	22	25	10	22	29	9	14	24	9	14	24
Cooling performance 7 °C / 12 °C (3)																			
Cooling capacity	kW	1,37	1,74	2,05	1,78	2,15	2,50	3,07	3,74	4,08	4,40	6,50	7,45	1,10	1,45	1,90	1,10	1,45	1,90
Sensible cooling capacity	kW	1,16	1,47	1,73	1,51	1,82	2,04	2,59	3,10	3,47	3,30	5,05	5,80	0,92	1,20	1,55	0,92	1,20	1,55
Water flow rate system side	l/h	236	299	353	306	370	430	528	643	702	755	1115	1278	189	249	327	189	249	327
Pressure drop system side	kPa	5	7	9	8	11	15	15	21	26	12	24	30	9	14	23	9	14	23
Fan																			
Type	type	Tangential																	
Fan motor	type	Inverter																	
Number	no.	1			1			1			1			1			1		
Air flow rate	m^3/h	280	340	389	330	400	446	476	602	684	592	945	1179	270	330	380	270	330	380
Input power	W	23	24	27	22	23	27	31	41	48	38	55	75	13	17	22	23	24	27
Fan coil sound data (4)																			
Sound power level	dB(A)	42,0	48,0	53,0	42,0	48,0	53,0	44,0	49,0	54,0	44,0	54,0	60,0	42,0	48,0	53,0	42,0	48,0	53,0
Sound pressure	dB(A)	34,0	39,5	44,5	34,0	39,5	44,5	35,5	40,5	45,5	35,5	45,5	51,5	34,0	39,5	44,5	34,0	39,5	44,5
Diametre hydraulic ÿ ttings																			
Main coil	Ø	1/2"																	
Power supply																			
Power supply		230V~50Hz																	

		FCWI322V			FCWI323V			FCWI422V			FCWI423V			FCWI522V			FCWI523V		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 70 °C / 60 °C (1)																			
Heating capacity	kW	3,25	4,36	5,03	3,25	4,36	5,03	6,29	7,23	7,97	6,29	7,23	7,97	8,04	11,80	14,00	8,04	11,80	14,00
Water flow rate system side	l/h	286	383	442	286	383	442	552	635	699	552	635	699	704	1034	1227	704	1034	1227
Pressure drop system side	kPa	13	22	29	13	22	29	21	27	32	21	27	32	10	21	28	10	21	28
Heating performance 45 °C / 40 °C (2)																			
Heating capacity	kW	1,62	2,17	2,50	1,62	2,17	2,50	3,13	3,60	3,96	3,13	3,60	3,96	4,00	5,90	7,00	4,00	5,90	7,00
Water flow rate system side	l/h	281	377	434	281	377	434	543	624	688	543	624	688	695	1025	1216	695	1025	1216
Pressure drop system side	kPa	13	22	29	13	22	29	20	26	31	20	26	31	11	22	30	11	22	30
Cooling performance 7 °C / 12 °C (3)																			
Cooling capacity	kW	1,55	2,08	2,40	1,55	2,08	2,40	3,00	3,45	3,80	3,00	3,45	3,80	4,00	6,00	7,00	4,00	6,00	7,00
Sensible cooling capacity	kW	1,28	1,68	1,97	1,28	1,68	1,97	2,01	2,50	2,85	2,01	2,50	2,85	2,85	4,50	5,30	2,85	4,50	5,30
Water flow rate system side	l/h	267	358	413	267	358	413	516	593	654	516	593	654	686	1030	1201	686	1030	1201
Pressure drop system side	kPa	13	22	29	13	22	29	21	27	32	21	27	32	11	23	30	11	23	30
Fan																			
Type	type	Tangential																	
Fan motor	type	Inverter																	
Number	no.		1			1			1			1			1			1	
Air flow rate	m^3/h	320	390	440	320	390	440	370	470	540	370	470	540	535	859	1082	535	859	1082
Input power	W	22	23	27	22	23	27	31	41	48	31	41	48	38	55	75	38	55	75
Fan coil sound data (4)																			
Sound power level	dB(A)	42,0	48,0	53,0	42,0	48,0	53,0	44,0	49,0	54,0	44,0	49,0	54,0	44,0	54,0	60,0	44,0	54,0	60,0
Sound pressure	dB(A)	34,0	39,5	44,5	34,0	39,5	44,5	35,5	40,5	45,5	35,5	40,5	45,5	35,5	45,5	51,5	35,5	45,5	51,5
Diametre hydraulic ÿ ttings																			
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



		FCWI22VL	FCWI32VL	FCWI42VL	FCWI52VL	FCWI222V	FCWI223V
Dimensions and weights							
A	mm	298	305	360	365	298	298
B	mm	880	990	1170	1450	880	880
C	mm	205	210	220	230	205	205
Empty weight	kg	9	10	19	28	9	9

		FCWI322V	FCWI323V	FCWI422V	FCWI423V	FCWI522V	FCWI523V
Dimensions and weights							
A	mm	305	305	360	360	365	365
B	mm	990	990	1170	1170	1450	1450
C	mm	210	210	220	220	230	230
Empty weight	kg	10	10	19	19	28	28

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