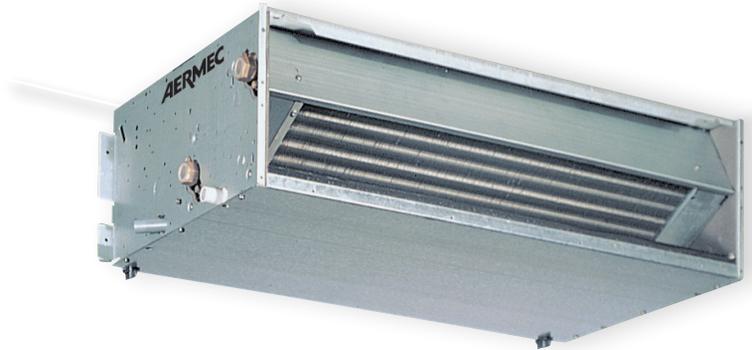




Aermec is participating in the EUROVENT Program : FCH The related products can be found at the website [www.eurovent-certification.com](http://www.eurovent-certification.com)

**Variable Multi Flow®**

**VMF**



- **FULLY SILENT FUNCTIONING**
- **FULL COMFORT: REDUCED TEMPERATURE AND RELATIVE HUMIDITY OSCILLATIONS**
- **IDEAL ALSO FOR DUCTED INSTALLATION**

#### Features

Drawing from its wide experience in the field of fan coils, Aermec presents the new series FCZ\_P for duct installations.

They can be installed on any system with 2/4 pipe 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 Without control in built,

#### Vertical or horizontal installation:

**FCZ\_P**  
**FCZ\_PO**  
**FCZ\_PPC**

- 3-speed ventilating unit.
- Electric motors with permanently inserted condensers
- Low loss of charge in the heat exchanger
- Easy installation and maintenance
- **G2 air filter for all versions. APC versions is equipped with Cold Plasma air purifier:** this 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.

- Extractable shrouds for easy, effective cleaning
- Possibility to choose the hydraulic connection side through the different configurable versions, (Not reversible for secondary battery units).

#### Versions Description

Vertical

Duct

Horizontal

#### Versions

- **FCZ\_P**  
- Concealed without cabinet
- **FCZ\_PPC**  
- Concealed with Cold Plasma purifier
- **FCZ\_PO**  
- Concealed (ideal also for ducted installation)

**Vertical or horizontal installation**  
- For 2/4 pipe system

## Choosing the unit

By appropriately combining the variety of options available, each model can be configured in order to meet all specific system requirements.

Field	Code	7,8,9	Versions
1,2,3	FCZ		P Concealed mounted without cabinet
4	Size		PO Concealed with oversized motor
	1-2-3-4-5-6-7-8-9-10		PPC Concealed with Cold Plasma purifier
5	Maincoil		PR Concealed mounted without cabinet, hydraulic connections to the right
	0 Standard		POR Concealed with oversized motor, hydraulic connections to the right
	5 Oversized (1)		
6	Supplementary coil		
	0 Without heat exchanger		
	1 Standard		
	2 Oversized		

(1) Oversized coil "5" does not allow the installation of the supplementary coil "1 or 2"

## Size available for version

Versions	Size available with main coil only (2 pipes)																			
FCZ	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	
P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PO	/	/	.	.	.	.	.	.	.	.	.	.	.	.	/	/	.	.	/	
PPC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	

Versions	Size available with main and supplementary coil (4 pipes)																		
FCZ	101	102	201	202	301	302	401	402	501	502	601	602	701	702	801	802	901	1001	
P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PO	/	/	.	.	.	.	.	.	.	.	.	.	.	.	/	.	.	/	
PPC	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	

## Accessories

### Control panel

A range of dedicated controllers, wall-mounted or on the machine, is available but it is essential to choose between these panels for simple and complete tuning, for more details please refer to the dedicated sheet.

### Probes and accessory for control panels

- SW3:** water temperature probe allowing automatic season change on electronic controllers supplied with water-side change over
- SIT 3 - 5:** Thermostat Interface Card allowing the creation of a network of fan coils (max. 10) commanded by a central control panel (selector or thermostat). SIT3: 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: commands the 3 fan speeds and up to 2 valves (four pipe systems); sends the thermostat's commands to the fan coil network.

### VMF system

- VMF-E0:** Thermostat accessory to be mounted on the side of the fancoil, equipped with air and water sensors as standard; controls 2 pipe, 4 pipe, 2 pipe + Cold Plasma, 2 pipe + UV lamps, 2 pipe + electrical heater systems. Equipped with external contact to be used as low voltage remote ON-OFF. This thermostat can create a single fancoil zone through 2-wire serial communication (1 master + maximum 5 slaves). The thermostat is fuse protected.
- VMF-E4X:** Wall mounted user interface allowing control via a capacitive touch keyboard.
- VMF-E5:** Wall recessed panel allowing control of a complete hydronic system via a capacitive touch keyboard.
- VMF-E19:** Thermostat for serial communication.
- VMF-SW:** Water sensor replacing that supplied with VMF-E19 thermostats for installation upstream of the valve.
- VMF-SW1:** Additional water sensor for 4-pipe systems with E1 thermostats offering maximum control in the cooling range.

### Hot water coil

- BV:** Single row hot water heat exchanger. Not available for versions with Cold Plasma.

### Electrical heater

- RX:** Armoured electrical coil with safety thermostat (requires a thermostat with heater management). Not available for 4-row or Cold Plasma versions

### Valve kit

- VCZ\_X4:** Valve kits for single coil units, installed in 4 pipe systems with totally separated "Cooling" and "Heating" circuits. The kit consists of 2 valves with 3-way 4 port connection complete with electro-thermal actuators, insulating shells for the valves and associated hydraulic piping. The VCF1X4L valve kit allows left side connection.
- VCZ or VCF:** kit containing a motorised 3-way valve with insulating shell plus coupling and pipes in insulated copper. Applicable for standard or oversized main coil. Available with 230V and 24V~50Hz power supply.
- VCZD or VCZD:** Kit consisting of powered 2-way valve, copper couplings and pipes applicable for standard or oversized main coil. Available with 230V and 24V~50Hz power supply.
- VJP/VJP\_M:** 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, is available with 230V and 24V~50Hz power supply.  
The VJP is controlled by on-off logic with compatible control panels (accessories)  
The VJP\_M is controlled by modulating logic with panels not supplied by Aermec  
The design water flow rate is crucial to refine the selection of the valve shown in the compatibility table.

### Accessory for Installation

- AMP:** kit for the wall mounting installation.
- BC:** Auxiliary condensate drip tray.
- CHF:** The VentilCassaforma is a galvanised sheet steel template, for P versions, which allows you to obtain a space for housing the fan coil, directly in the wall.
- DSC4:** Condensate drainage device for use when natural run-off is not possible.
- PA:** Galvanised sheet steel intake plenum equipped with intake fittings for circular section ducts.
- PA-F:** Intake plenum, which allows recovery and flow on the same side. It is suitable for all those installations outside air-conditioned rooms, in order to minimise noise

- and facilitate maintenance operations.
- PM:** Galvanised sheet steel flow plenum, externally insulated, equipped with plastic flow fittings for ducts and circular sections.
- RD:** Straight flow fitting for ducting.
- RDA:** Straight intake fitting for ducting.
- RP:** 90° flow fitting for ducting
- RPA:** 90° intake fitting for ducting.

### DUCTING ACCESSORIES

- MZC:** Plenum with motor-driven dampers
- RDA\_V:** Straight intake connection with rectangular flange.
- RDAC\_V:** Straight intake connection with circular flanges.
- RPA\_V:** Intake plenum with rectangular flange.
- RDMC\_V:** Straight discharge with circular flanges. Internally insulated.
- PA\_V:** Intake plenum with circular flanges. Flanges in plastic material.
- RPM\_V:** Discharge plenum with rectangular flange. Internally insulated.
- PM\_V:** Discharge plenum with circular flanges. Internally insulated. Flanges in plastic material.
- KFV10:** Circular flanges kit for intake/discharge plenum.

### Grid

- GA:** Intake grid with fixed louvers.
- GAF:** Intake grid with fixed louvers with filter.
- GM:** Flow grid with adjustable louvers.

For more details on the control panels and VMF system refer to the dedicated sheet

## Compatibility of accessories

FCZ_P	Size with single Heat Exchanger																			
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	
<b>Probes and accessories for control panels</b>																				
KTLP P-PO	•	•	•	•	•	•	•	•	•	•	*	*	*	*	*	*	•	•	•	
PX-PX2-PX2C6 P-PO (1)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
PXAE P-PPC-PO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
PXAR P-PO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
TPF P-PO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
WMT05-06-10 P-PO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
TPFW P-PO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
SW3 P-PO	In combination with PXAE or PXAR																			
SIT3 P-PO	In combination with TPF/W or PXAE or PXAR or PX2 or PX or PX2C6 WMT05-06-10																			
SIT5 P-PPC-PO	In combination with PXAE or PXAR																			
<b>VMF System</b>																				
VMF-E0 P-PPC-PO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
VMF-E19 P-PPC-PO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
VMF-E4X P-PPC-PO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
VMF-SW P-PPC-PO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
VMF-SW1 P-PPC-PO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
<b>Additional coil (heating only)</b>																				
BV117 P-PO	•																			
BV122 P-PO			•																	
BV132 P-PO					•															
BV142 P-PO							•		•											
BVZ800 P-PO											•		•		•					
BV162 P-PO																	•		•	
<b>Electrical Heat Exchanger</b>																				
RX17 P-PO	•																			
RX22 P-PO			•																	
RX32 P-PO					•															
RX42 P-PO							•													
RX52 P-PO									•											
RXZ800 P-PO											•		•		•					
RX62 P-PO																	•		•	
<b>Water valves **</b>																				
<b>Valve Kit for 4 pipe systems with Main coil</b>																				
VCZ1X4L-R P-PO	•	•	•	•																
VCZ2X4L-R P-PO					•	•	•	•	•	•	•	•	•	•	•	•				
VCZ3X4L-R P-PO																	•	•	•	
<b>3 way valve kit</b>																				
VCZ41/4124 P-PPC-PO (2)	•	•	•	•																
VCZ42/4224 P-PPC-PO (2)					•	•	•	•	•	•	•	•	•	•	•	•				
VCZ43/4324 P-PPC-PO (2)																	•	•	•	
<b>2 way valve kit</b>																				
VCZD1/124 P-PPC-PO (2)	•	•	•	•																
VCZD2/224 P-PPC-PO (2)					•	•	•	•	•	•	•	•	•	•	•	•				
VCZD3/324 P-PPC-PO (2)																	•	•	•	
<b>Combined adjustment and balancing valve independent of pressure</b>																				
VJP060 P-PPC-PO	•	•	•	•	•															
VJP090 P-PPC-PO							•	•	•	•	•	•								
VJP150 P-PPC-PO												•	•	•	•	•	•	•	•	
VJP060M P-PPC-PO (2)	•	•	•	•	•															
VJP090M P-PPC-PO (2)							•	•	•	•	•	•								
VJP150M P-PPC-PO (2)												•	•	•	•	•	•	•	•	
<b>Installation accessories</b>																				

### PO version only available for size from 2 to 9

For more details on the control panels and VMF system refer to the dedicated sheet.

\* Contact Aermec

\*\*The water valves can be combined with the unit if it is also provided a control panel that controls

(1) Only for wall installation; (PX2C6 panel PX2 in multiple 6 pz.)

(2) VCZ4124-VCZ4224-VCZ4324-VCZD124-VCZD224-VCZD324-VJP060M-VJP090M-VJP150M are 24V

## Compatibility of accessories

		Size with single Heat Exchanger																			
FCZ_P		100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	
AMP20	P-PPC-PO	•	•	•	•	•	•	•	•	•	•										
AMPZ	P-PPC-PO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
DSC4	P-PPC-PO (3)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
ZX7	P-PPC-PO	•	•	•	•	•	•	•	•	•	•										
ZX8	P-PPC-PO											•	•	•	•	•	•	•	•	•	
<b>Auxiliary condensate drip tray</b>																					
BCZ4	P-PPC-PO (4)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				
BCZ5	P-PPC-PO (5)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				
BCZ6	P-PPC-PO (5)																	•	•	•	
BC8	P-PPC-PO (5)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				
BC9	P-PPC-PO (5)																	•	•	•	
<b>Ventilcassaforma</b>																					
CHF17	P-PPC	•	•																		
CHF22	P-PPC-PO			•	•																
CHF32	P-PPC-PO					•	•														
CHF42	P-PPC-PO							•	•	•	•										
CHF62	P-PPC-PO											•	•	•	•	•	•	•	•	•	
<b>Grille</b>																					
GA17	P-PPC	•	•																		
GA22	P-PPC-PO			•	•																
GA32	P-PPC-PO					•	•														
GA42	P-PPC-PO							•	•	•	•										
GA62	P-PPC-PO											•	•	•	•	•	•	•	•	•	
GAF17	P-PPC	•	•																		
GAF22	P-PPC-PO			•	•																
GAF32	P-PPC-PO					•	•														
GAF42	P-PPC-PO							•	•	•	•										
GAF62	P-PPC-PO											•	•	•	•	•	•	•	•	•	
GM17	P-PPC	•	•																		
GM22	P-PPC-PO			•	•																
GM32	P-PPC-PO					•	•														
GM42	P-PPC-PO							•	•	•	•										
GM62	P-PPC-PO											•	•	•	•	•	•	•	•	•	
<b>Accessories for installation</b>																					
PA17	P-PPC	•	•																		
PA22	P-PPC-PO			•	•																
PA32	P-PPC-PO					•	•														
PA42	P-PPC-PO							•	•	•	•										
PA62	P-PPC											•	•	•	•	•	•	•	•	•	
PA17F	P-PPC	•	•																		
PA22F	P-PPC-PO			•	•																
PA32F	P-PPC-PO					•	•														
PA42F	P-PPC-PO							•	•	•	•										
PA62F	P-PPC											•	•	•	•	•	•	•	•	•	
PM17	P-PPC	•	•																		
PM22	P-PPC-PO			•	•																
PM32	P-PPC-PO					•	•														
PM42	P-PPC-PO							•	•	•	•										
PM62	P-PPC											•	•	•	•	•	•	•	•	•	
RD17	P-PPC	•	•																		
RD22	P-PPC-PO			•	•																
RD32	P-PPC-PO					•	•														
RD42	P-PPC-PO							•	•	•	•										
RD62	P-PPC											•	•	•	•	•	•	•	•	•	
RDA17	P-PPC	•	•																		

(3) DSC4 It's not available with AMPZ

(4) For vertical installation. BC4 is not available with valve V CZ-VCZD / VCF-VCFD

(5) For horizontal installation

## Compatibility of accessories

FCZ_P		Size with single Heat Exchanger																		
		100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
RDA22	P-PPC-PO			•	•															
RDA32	P-PPC-PO					•	•													
RDA42	P-PPC-PO							•	•	•	•									
RDA62	P-PPC											•	•	•	•	•	•	•	•	•
RPA17	P-PPC	•	•																	
RPA22	P-PPC-PO			•	•															
RPA32	P-PPC-PO					•	•													
RPA42	P-PPC-PO							•	•	•	•									
RPA62	P-PPC											•	•	•	•	•	•	•	•	•
<b>Plenum for duct installation</b>																				
MZC220	PO			•	•															
MZC320	PO					•	•													
MZC530	PO							•	•	•	•									
MZC830	PO											•	•	•	•	•	•	•	•	•
RDA000V	PO			•	•															
RDA100V	PO					•	•													
RDA200V	PO							•	•	•	•									
RDA300V	PO											•	•	•	•			•	•	
RPA000V	PO	(6)		•	•															
RPA100V	PO	(6)				•	•													
RPA200V	PO	(6)						•	•	•	•									
RPA300V	PO	(6)										•	•	•	•			•	•	
RDAC000V	PO			•	•															
RDAC100V	PO					•	•													
RDAC200V	PO							•	•	•	•									
RDAC300V	PO											•	•	•	•			•	•	
PA000V	PO	(6)		•	•															
PA100V	PO	(6)				•	•													
PA200V	PO	(6)						•	•	•	•									
PA300V	PO	(6)										•	•	•	•			•	•	
PM000V	PO	(6)		•	•															
PM100V	PO	(6)				•	•													
PM200V	PO	(6)						•	•	•	•									
PM300V	PO	(6)										•	•	•	•			•	•	
RPM000V	PO	(6)		•	•															
RPM100V	PO	(6)				•	•													
RPM200V	PO	(6)						•	•	•	•									
RPM300V	PO	(6)										•	•	•	•			•	•	
RDMC000V	PO			•	•															
RDMC100V	PO					•	•													
RDMC200V	PO							•	•	•	•									
RDMC300V	PO											•	•	•	•			•	•	

### PO version only available for size from 2 to 9

(6) All the Plenums ( RPA\_V; PA\_V; RPM\_V; PM\_V ) have a circular push-outs (Ø=150mm ) on both sides, which can be removed, All the can have intake/discharge either straight or downwards (straight or downwards with reference to horizontal installation).

## Compatibility of accessories

		Sizes available for 4-pipe system (Main coil + Secondary coil)																	
FCZ_P		101	102	201	202	301	302	401	402	501	502	601	602	701	702	801	802	901	1001
<b>Probes and accessories for control panels</b>																			
KTLP	P-PO	•	•	•	•	•	•	•	•	•	•	*	*	*	*	*	*	•	•
PXAE	P-PO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
TPF	P-PO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
WMT06-10	P-PO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
TPFW	P-PO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SW3	P-PO	In combination with PXAE																	
SIT3	P-PO	In combination with TPF/W or PXAE or PXAR or PX2 or PX or PX2C6 WMT05-06-10																	
SIT5	P-PO	In combination with PXAE or PXAR																	
<b>VMF System</b>																			
VMF-E0	P-PO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VMF-E19	P-PO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VMF-E4X	P-PO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VMF-SW	P-PO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VMF-SW1	P-PO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
<b>Water valve**</b>																			
<b>3 way valve kit</b>																			
VCZ41/4124	P-PO	(2)	•	•	•	•													
VCZ42/4224	P-PO	(2)				•	•	•	•	•	•	•	•	•	•	•	•		
VCZ43/4324	P-PO	(2)																•	•
<b>2 way valve kit</b>																			
VCZD1/124	P-PO	(2)	•	•	•	•													
VCZD2/224	P-PO	(2)				•	•	•	•	•	•	•	•	•	•	•	•		
VCZD3/324	P-PO	(2)																•	•
<b>3 way valve kit for heating coil only</b>																			
VCF44/4424	P-PO	(2)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
VCF45/4524	P-PO	(2)																•	•
<b>2 way valve kit for heating coil only</b>																			
VCFD4/424	P-PO	(2)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
<b>Combined adjustment and balancing valve independent of pressure</b>																			
VJP060	P-PO		•	•	•	•	•												
VJP090	P-PO							•	•	•	•	•	•						
VJP150	P-PO													•	•	•	•	•	•
VJP060M	P-PO	(2)	•	•	•	•	•												
VJP090M	P-PO	(2)						•	•	•	•	•	•						
VJP150M	P-PO	(2)												•	•	•	•	•	•
<b>Accessories for installation</b>																			
AMP20	P-PO		•	•	•	•	•	•	•	•	•								
AMPZ	P-PO		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
DSC4	P-PO	(3)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
ZX7	P-PO		•	•	•	•	•	•	•	•	•								
ZX8	P-PO											•	•	•	•	•	•	•	•
<b>Auxiliary condensate drip tray</b>																			
BC4	P	(4)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
BC5	P	(5)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
BC6	P	(5)																•	•
BC8	P-PO	(5)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
BC9	P-PO	(5)																•	•
<b>Ventilcassaforma</b>																			
CHF17	P		•	•															
CHF22	P				•	•													
CHF32	P						•	•											
CHF42	P							•	•	•	•								
CHF62	P											•	•	•	•	•	•	•	•
<b>Grille</b>																			

PO version only available for size from 2 to 9

\* Contact Aermec

\*\*The water valves can be combined with the unit if it is also provided a control panel that controls

VJP / VJP\_M The compatibility of the hot water valves with the designed air flow in a four-pipe installation is to be verified.

(2) VCZ4124-VCZ4224-VCZ4324-VCZD124-VCZD224-VCZD324-VCZ4424-VCF4524-VCFD424 are 24V

(3) DSC4 It's not available with AMPZ

(4) For vertical installation

(5) For horizontal installation



## Compatibility of accessories

FCZ_P		Sizes available for 4-pipe system (Main coil + Secondary coil)																	
		101	102	201	202	301	302	401	402	501	502	601	602	701	702	801	802	901	1001
RDA100V	PO					•	•												
RDA200V	PO							•	•	•	•								
RDA300V	PO											•	•	•	•				•
RPA000V	PO	(6)		•	•														
RPA100V	PO	(6)				•	•												
RPA200V	PO	(6)						•	•	•	•								
RPA300V	PO	(6)										•	•	•	•				•
RDAC000V	PO			•	•														
RDAC100V	PO					•	•												
RDAC200V	PO							•	•	•	•								
RDAC300V	PO											•	•	•	•				•
PA000V	PO	(6)		•	•														
PA100V	PO	(6)				•	•												
PA200V	PO	(6)						•	•	•	•								
PA300V	PO	(6)										•	•	•	•				•
PM000V	PO	(6)		•	•														
PM100V	PO	(6)				•	•												
PM200V	PO	(6)						•	•	•	•								
PM300V	PO	(6)										•	•	•	•				•
RPM000V	PO	(6)		•	•														
RPM100V	PO	(6)				•	•												
RPM200V	PO	(6)						•	•	•	•								
RPM300V	PO	(6)										•	•	•	•				•
RDMC000V	PO			•	•														
RDMC100V	PO					•	•												
RDMC200V	PO							•	•	•	•								
RDMC300V	PO											•	•	•	•				•

### PO version only available for size from 2 to 9

(6) All the Plenums ( RPA\_V; PA\_V; RPM\_V; PM\_V ) have a circular push-outs (Ø=150mm ) on both sides, which can be removed, All the can have intake/discharge either straight or downwards (straight or downwards with reference to horizontal installation).

## Technical data (EUROVENT FC2H) Unit for 2 pipe systems (main coil)

FCZ P	100			150			200			250			300			350			400			450			500			550						
Fan speed	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L	
<b>Heating Performance</b>																																		
<b>2 pipe systems</b>																																		
Heating capacity (70°C) (1) kW	2,40	2,00	1,45	2,65	2,19	1,55	3,70	2,95	2,02	4,05	3,18	2,20	5,50	4,46	3,47	6,15	4,92	3,77	7,15	5,74	4,32	7,82	6,29	4,57	8,50	7,31	5,27	9,75	8,34	5,82				
Water flow rate (1) l/h	206	172	125	232	192	136	324	258	177	355	278	193	482	391	304	539	431	330	627	503	379	685	551	400	745	641	462	855	731	510				
Pressure drop (1) kPa	9,0	7,0	4,0	12,0	9,0	5,0	18,0	12,0	6,0	23,0	15,0	7,0	18,0	12,0	7,0	20,0	14,0	8,0	24,0	16,0	9,0	16,0	11,0	6,0	28,0	21,0	12,0	26,0	20,0	10,0				
Heating capacity (45°C) (2) kW	1,19	0,99	0,72	1,31	1,09	0,77	1,84	1,46	1,00	2,01	1,58	1,09	2,73	2,21	1,72	3,06	2,44	1,87	3,55	2,85	2,14	3,88	3,12	2,27	4,22	3,63	2,62	4,85	4,14	2,89				
Water flow rate (2) l/h	207	173	126	229	189	134	319	254	174	350	274	190	475	385	299	531	425	325	617	495	373	675	543	394	734	631	455	842	720	502				
Pressure drop (2) kPa	9,5	7,0	4,0	12,5	9,0	5,0	17,5	12,0	6,0	22,0	15,0	8,0	17,5	12,0	8,0	20,5	14,0	8,5	23,5	16,0	9,5	16,0	11,0	6,0	28,0	21,0	12,0	25,5	19,5	10,0				
<b>Cooling Performance</b>																																		
Total cooling capacity (3) kW	1,00	0,84	0,65	1,27	1,06	0,80	1,60	1,28	0,89	1,94	1,55	1,06	2,65	2,17	1,68	3,02	2,46	1,89	3,60	2,92	2,20	4,03	3,21	2,41	4,25	3,69	2,68	4,79	4,13	2,91				
Sensible cooling capacity (3) kW	0,83	0,69	0,51	0,97	0,80	0,57	1,33	1,05	0,71	1,52	1,20	0,79	2,04	1,65	1,26	2,18	1,76	1,33	2,67	2,14	1,59	2,90	2,30	1,69	3,18	2,73	1,94	3,49	2,98	2,07				
Cooling capacity (latent) (3) kW	0,17	0,15	0,14	0,30	0,26	0,23	0,27	0,23	0,18	0,42	0,35	0,27	0,61	0,52	0,42	0,84	0,70	0,56	0,93	0,78	0,61	1,13	0,91	0,72	1,07	0,96	0,74	1,30	1,15	0,84				
Water flow rate (3) l/h	172	144	112	219	182	138	275	221	153	334	267	182	456	374	288	560	460	350	619	503	379	694	552	414	731	634	460	824	711	501				
Pressure drop (3) kPa	8,0	6,0	4,0	13,0	12,0	6,0	18,0	12,5	6,5	25,0	17,0	8,5	18,0	13,0	8,0	25,0	17,5	11,0	24,0	16,5	10,0	22,0	15,0	9,0	29,0	22,5	13,0	28,0	21,5	11,5				
<b>Fans</b>																																		
Centrifugal Fans	n°	1			1			2			2			2			2			2			2			2			2					
Air flow rate	m³/h	200	160	110	200	160	110	290	220	140	290	220	140	450	350	260	450	350	260	600	460	330	600	460	330	720	600	400	720	600	400			
<b>Sound level</b>																																		
Sound power level (4) dB(A)		45	38	31	45	38	31	51	46	35	51	46	35	48	41	34	48	41	34	51	44	37	51	44	37	56	51	42	56	51	42			
Sound pressure level	dB(A)	37	30	23	37	30	23	43	38	27	43	38	27	40	33	26	40	33	26	43	36	29	43	36	29	48	43	34	48	43	34			
<b>Hydraulic connections</b>																																		
<b>Main coil</b>																																		
Standard	Ø	1/2"			/			1/2"			/			3/4"			/			3/4"			/			3/4"			/					
Oversized	Ø	/			1/2"			/			1/2"			/			3/4"			/			3/4"			/			3/4"			/		
<b>Electrical data</b>																																		
Absorbed power	W	35	29	19	35	29	19	33	29	25	33	29	25	44	33	25	44	33	25	57	43	30	57	43	30	76	52	38	76	52	38			
Connected for speeds		V3	V2	V1	V3	V2	V1	V3	V2	V1	V3	V2	V1	V3	V2	V1	V3	V2	V1	V3	V2	V1	V3	V2	V1	V3	V2	V1	V3	V2	V1	V3	V2	V1
Power supply		230V~50Hz																																

FCZ	600			650			700			750			800			850			900			950			1000									
Fan speed	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L				
<b>Heating Performance</b>																																		
<b>2 pipe systems</b>																																		
Heating capacity (70°C) (1) kW	10,00	8,10	6,50	11,50	9,15	7,19	11,00	9,80	8,10	12,50	11,30	9,10	12,00	10,80	9,80	14,00	12,35	11,30	15,14	13,35	10,77	17,10	14,42	11,20	17,02	15,24	12,56							
Water flow rate (1) l/h	877	710	570	1008	802	631	964	860	710	1096	991	798	1052	947	859	1227	1083	991	1328	1171	945	1500	1264	982	1493	1337	1101							
Pressure drop (1) kPa	26,0	17,8	12,0	31,0	21,0	13,5	29,1	23,6	16,8	18,0	15,0	10,0	32,2	26,6	22,4	25,0	20,0	17,0	22,0	17,4	12,0	33,0	24,5	15,5	38,5	31,5	22,0							
Heating capacity (45°C) (2) kW	4,97	4,03	3,32	5,72	4,55	3,57	5,47	4,87	4,03	6,21	5,62	4,52	5,97	5,37	4,87	6,96	6,14	5,62	7,53	6,64	5,35	8,50	7,17	5,57	8,46	7,58	6,24							
Water flow rate (2) l/h	863	699	561	993	790	621	950	846	699	1079	975	786	1036	932	846	1209	1066	975	1307	1152	930	1476	1245	967	1469	1316	1084							
Pressure drop (2) kPa	25,5	17,5	12,0	31,0	20,5	13,5	29,0	23,5	16,5	17,5	14,5	10,0	32,0	26,0	22,0	25,0	19,5	17,0	21,5	17,0	12,0	33,0	24,0	15,0	37,5	31,0	22,0							
<b>Cooling Performance</b>																																		
Total cooling capacity (3) kW	4,65	3,90	3,22	5,67	4,80	3,95	5,50	4,89	3,92	6,14	5,34	4,27	6,10	5,66	4,84	6,91	6,29	5,26	6,91	5,00	4,29	8,60	7,32	5,77	7,62	6,88	5,69							
Sensible cooling capacity (3) kW	3,92	3,17	2,56	4,12	3,43	2,78	4,30	3,76	2,99	4,72	4,05	3,20	4,83	4,42	3,72	5,36	4,83	4,00	5,68	3,78	2,97	5,78	4,87	3,80	5,53	5,34	4,42							
Cooling capacity (latent) (3) kW	0,73	0,73	0,66	1,55	1,37	1,17	1,20	1,13	0,93	1,42	1,29	1,07	1,27	1,24	1,12	1,55	1,46	1,26	1,23	1,22	1,32	2,82	2,45	1,97	2,09	1,54	1,27							
Water flow rate (3) l/h	800	671	554	975	825	595	946	841	675	1056	918	734	1049	974	833	1189	1082	904	1189	860	738	1479	1259	992	1311	1183	979							
Pressure drop (3) kPa	26,0	19,0	13,5	28,0	21,0	15,0	30,0	24,5	16,5	18,5	14,5	10,0	30,0	26,5	20,0	23,0	19,5	14,0	22,0	12,5	9,5	30,0	22,5	15,0	35,5	31,0	22,0							
<b>Fans</b>																																		
Centrifugal Fans	n°	3			3			3			3			3			3			3			3			3								
Air flow rate	m³/h	920	720	520	920	720	520	1140	930	700	1140	930	700	1300	1120	900	1300	1120	900	1140	930	700	1140	930	700	1300	1120	900						
<b>Sound level</b>																																		
Sound power level (4) dB(A)		57	51	42	57	51	42	62	57	50	62	57	50	66	61	56	66	61	56	62	57	51	61	57	51	66	61	56						
Sound pressure level	dB(A)	49	43	34	49	43	34	54	49	42	54	49	42	58	53	48	58	53	48	54	49	43	53	49	43	58	53	48						
<b>Hydraulic connections</b>																																		
<b>Main coil</b>																																		
Standard	Ø	3/4"			/			3/4"			/			3/4"			/			3/4"			/			3/4"			/					
Oversized	Ø	/			3/4"			/			3/4"			/			3/4"			/			3/4"			/			3/4"			/		
<b>Electrical data</b>																																		
Absorbed power	W	91	60	38	91	60	38	106	80	59	106	80	59	131	100	80	131	100	80	106	80	59	106	80	59	131	100	80						
Connected for speeds		V3	V2	V1	V3	V2	V1	V3	V2	V1	V3	V2	V1	V3	V2	V1	V3	V2	V1	V3	V2	V1	V3	V2	V1	V3	V2	V1	V3	V2	V1			
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) 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.

Sound pressure level (A-weighted) measured indoors with volume V=85m³, reverberation time t = 0.5 s; Direction factor Q = 2; Distance r = 2.5m

## Technical data (EUROVENT FC4H) - Unit for 4 pipe systems (with main + supplementary coil)

FCZ			101			201			301			401		
Fan speed			H	M	L	H	M	L	H	M	L	H	M	L
<b>Heating Performance</b>														
<b>4 pipe systems</b>														
Heating capacity (65°C)	(1)	kW	1,17	1,02	0,75	1,61	1,36	1,02	2,56	2,19	1,81	3,13	2,65	2,13
Water flow rate	(1)	l/h	101	88	65	138	117	88	221	188	155	269	228	183
Pressure drop	(1)	kPa	4	3	2	10	7	5	29	22	15	8	7	4
<b>Cooling Performance</b>														
Total cooling capacity	(2)	kW	1,00	0,84	0,65	1,60	1,28	0,89	2,65	2,17	1,68	3,60	2,92	2,20
Sensible cooling capacity	(2)	kW	0,83	0,69	0,51	1,33	1,05	0,71	2,04	1,65	1,26	2,67	2,14	1,59
Cooling capacity (latent)	(2)	kW	0,17	0,15	0,14	0,27	0,23	0,18	0,61	0,52	0,42	0,93	0,78	0,61
Water flow rate	(2)	l/h	172	144	112	275	221	153	456	374	289	619	503	379
Pressure drop	(2)	kPa	7,0	5,0	4,0	18,0	12,5	6,5	18,0	13,0	8,0	34,0	23,5	14,0
<b>Fans</b>														
Centrifugal fans	n°		1			1			2			2		
Air flow rate	m³/h		200	160	110	290	220	140	450	350	260	600	460	330
<b>Sound level</b>														
Sound power level	(3)	dB(A)	45	38	31	51	46	35	48	41	34	51	44	37
Sound pressure level		dB(A)	37	30	23	43	38	27	40	33	26	43	36	29
<b>Hydraulic connections</b>														
Main coil	Ø		1/2"			1/2"			3/4"			3/4"		
Additional coil	Ø		1/2"			1/2"			1/2"			1/2"		
<b>Electrical data</b>														
Absorbed power	W		35	29	19	33	29	25	44	33	25	57	43	30
Connected for speeds			V3	V2	V1	V3	V2	V1	V3	V2	V1	V3	V2	V1
Power supply			230V~50Hz											

FCZ			501			601			701			801			901			1001		
Fan speed			H	M	L	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L
<b>Heating Performance</b>																				
<b>4 pipe systems</b>																				
Heating capacity (65°C)	(1)	kW	3,73	3,34	2,59	4,36	3,67	2,53	4,95	4,29	3,66	5,34	4,79	4,21	5,73	5,63	4,74	6,09	5,57	4,85
Water flow rate	(1)	l/h	327	293	227	375	316	217	426	369	315	459	412	362	493	484	407	523	479	417
Pressure drop	(1)	kPa	10,5	8,5	5,5	16	11	7	20	16	15	23	19	12	12	11	9	15	13	10
<b>Cooling Performance</b>																				
Total cooling capacity	(2)	kW	4,25	3,69	2,68	4,65	3,90	3,22	5,50	4,89	3,92	6,10	5,66	4,84	6,91	5,00	4,29	7,62	6,88	5,69
Sensible cooling capacity	(2)	kW	3,18	2,73	1,94	3,92	3,17	2,56	4,30	3,76	2,99	4,83	4,42	3,72	5,68	3,78	2,97	5,53	5,34	4,42
Cooling capacity (latent)	(2)	kW	1,07	0,96	0,74	0,73	0,73	0,66	1,20	1,13	0,93	1,27	1,24	1,12	1,23	1,22	1,32	2,09	1,54	1,27
Water flow rate	(2)	l/h	731	635	461	800	671	554	946	841	675	1049	974	832	1188	860	738	1311	1183	979
Pressure drop	(2)	kPa	29,0	22,5	13,0	26,0	19,0	14,5	30,0	24,5	16,5	30,0	26,5	20,0	9,5	14,5	9,5	37,3	31,0	22,0
<b>Fans</b>																				
Centrifugal fans	n°		2			3			3			3			3			3		
Air flow rate	m³/h		720	600	400	920	720	520	1140	930	700	1300	1120	900	1140	930	700	1300	1120	900
<b>Sound level</b>																				
Sound power level	(3)	dB(A)	56	51	42	57	51	42	62	57	50	66	61	56	62	57	51	66	61	56
Sound pressure level		dB(A)	48	43	34	49	43	34	54	49	42	58	53	48	54	49	43	58	53	48
<b>Hydraulic connections</b>																				
Main coil	Ø		3/4"			3/4"			3/4"			3/4"			3/4"			3/4"		
Additional coil	Ø		1/2"			1/2"			1/2"			1/2"			1/2"			1/2"		
<b>Electrical data</b>																				
Absorbed power	W		76	52	38	91	60	38	106	80	59	131	100	80	80	80	59	131	100	80
Connected for speeds			V3	V2	V1	V3	V2	V1	V3	V2	V1	V3	V2	V1	V3	V2	V1	V3	V2	V1
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) 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.

Sound pressure level (A-weighted) measured indoor with volume V=85m³, reverberation time t = 0.5 s; Direction factor Q = 2; Distance r = 2.5m

## Technical data (EUROVENT FCP2H) Unit for 2 pipe systems (main coil)

FCZ_PO	200			250			300			350			400			450			500			550		
	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L
<b>Fan speed</b>																								
<b>Hating Performance</b>																								
<b>2 pipe systems</b>																								
Heating capacity (70°C) (1) kW	3,32	3,00	2,11	3,60	3,24	2,29	5,45	5,03	3,50	6,10	5,59	3,80	6,74	6,02	4,49	7,40	6,62	4,79	7,59	7,22	5,27	8,67	8,25	5,81
Water flow rate (1) l/h	285	258	182	310	279	197	469	433	301	524	481	327	580	517	386	637	569	412	652	621	453	746	709	500
Pressure drop (1) kPa	15,0	12,0	7,0	19,0	16,0	9,0	18,0	15,0	8,0	21,0	18,0	9,0	22,0	18,0	11,0	15,0	12,0	7,0	23,0	21,0	12,0	21,0	19,0	10,0
Heating capacity (45°C) (2) kW	1,65	1,49	1,05	1,79	1,61	1,14	2,71	2,50	1,74	3,03	2,78	1,89	3,35	2,99	2,23	3,68	3,29	2,38	3,77	3,59	2,62	4,31	4,10	2,89
Water flow rate (2) l/h	248	224	160	308	277	196	466	430	299	521	478	325	576	514	383	633	566	409	648	617	451	741	705	497
Pressure drop (2) kPa	14,5	12,0	6,5	18,5	15,5	8,5	17,5	15,0	8,0	20,0	17,0	9,0	21,5	17,5	10,5	15,0	12,0	7,0	22,5	20,5	12,0	21,0	19,0	10,0
<b>Cooling Performance</b>																								
Total cooling capacity (3) kW	1,44	1,30	0,93	1,74	1,59	1,11	2,63	2,40	1,70	3,00	2,77	1,91	3,41	3,06	2,29	3,79	3,37	2,51	3,82	3,65	2,68	4,28	4,08	2,91
Sensible cooling capacity (3) kW	1,18	1,14	0,74	1,36	1,23	0,83	2,03	1,86	1,27	2,16	1,99	1,34	2,52	2,24	1,66	2,73	2,42	1,76	2,83	2,70	1,94	3,09	2,94	2,07
Cooling capacity (latent) (3) kW	0,26	0,16	0,19	0,38	0,36	0,28	0,60	0,54	0,43	0,84	0,78	0,57	0,89	0,82	0,63	1,06	0,95	0,75	0,99	0,95	0,74	1,19	1,14	0,84
Water flow rate (3) l/h	248	224	160	299	273	191	452	413	292	516	476	328	586	526	394	652	580	432	657	628	461	736	702	500
Pressure drop (3) kPa	15,0	13,0	8,0	21,0	17,5	9,5	18,0	16,0	8,5	25,0	21,0	11,0	22,0	18,0	11,0	20,0	16,0	11,0	24,0	22,0	13,0	23,0	21,0	12,0
<b>Fans</b>																								
Centrifugal Fans n°	1						2						2						2					
Air flow rate m³/h	254	226	148	254	226	148	446	404	263	446	404	263	559	487	346	559	487	346	627	592	400	627	592	400
High static pressure Pa	63	50	21	63	50	21	61	50	21	61	50	21	66	50	25	66	50	25	56	50	22	56	50	22
<b>Sound level</b>																								
Sound Power (Inlet+Radiator) (4) dB(A)	59	56	41	59	56	41	54	51	39	54	51	39	55	54	44	55	54	44	57	55	45	57	55	45
Sound Power (Outlet) dB(A)	55	52	37	55	52	37	49	47	35	49	47	35	52	50	40	52	50	40	53	51	41	53	51	41
<b>Hydraulic connections</b>																								
<b>Main coil</b>																								
Standard Ø	1/2"			/			3/4"			/			3/4"			/			3/4"			/		
Oversized Ø	/			1/2"			/			3/4"			/			3/4"			/			3/4"		
<b>Electrical data</b>																								
Absorbed power W	74	41	28	74	41	28	78	55	38	78	55	38	102	63	53	102	63	53	96	80	49	96	80	49
Connected for speeds	V6	V4	V2	V6	V4	V2	V6	V4	V1	V6	V4	V1	V6	V3	V1	V6	V3	V1	V6	V5	V1	V6	V5	V1
Power supply	230V~50Hz																							

FCZ_PO	600			650			700			750			900			950		
	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L	H	M	L
<b>Fan speed</b>																		
<b>Hating Performance</b>																		
<b>2 pipe systems</b>																		
Heating capacity (70°C) (1) kW	10,00	8,55	6,86	11,51	9,72	7,63	10,52	10,10	8,77	12,09	11,65	10,02	14,45	13,80	11,81	16,00	15,07	12,43
Water flow rate (1) l/h	860	735	590	990	836	656	905	868	754	1040	1002	862	1242	1187	1016	1375	1296	1069
Pressure drop (1) kPa	26,0	20,0	13,0	31,0	23,0	15,0	27,0	25,0	19,0	16,0	15,0	12,0	20,0	18,0	14,0	29,0	26,0	19,0
Heating capacity (45°C) (2) kW	4,97	4,25	3,41	5,72	4,83	3,79	5,23	5,02	4,36	6,01	5,79	4,98	7,18	6,86	5,87	7,95	7,49	6,18
Water flow rate (2) l/h	855	731	586	984	831	652	899	863	750	1034	996	856	1235	1180	1009	1367	1288	1063
Pressure drop (2) kPa	25,0	19,0	13,0	31,0	22,6	14,5	26,5	24,5	19,0	16,3	15,3	12,0	19,8	18,2	14,0	29,0	26,0	18,5
<b>Cooling Performance</b>																		
Total cooling capacity (3) kW	4,65	4,08	3,37	5,67	5,02	4,15	5,18	4,97	4,24	5,80	5,53	4,69	5,95	5,33	4,38	8,07	7,62	6,35
Sensible cooling capacity (3) kW	3,92	3,34	2,70	4,12	3,60	2,93	4,02	3,83	3,24	4,41	4,20	3,53	4,73	4,11	3,11	5,40	5,08	4,20
Cooling capacity (latent) (3) kW	0,73	0,74	0,67	1,55	1,42	1,22	1,16	1,14	1,00	1,39	1,33	1,16	1,22	1,22	1,27	2,67	2,54	2,15
Water flow rate (3) l/h	800	702	580	975	863	714	891	855	729	997	951	807	1023	917	753	1388	1310	1092
Pressure drop (3) kPa	26,0	21,0	15,0	28,0	22,5	16,0	28,0	26,0	19,5	17,0	15,5	11,5	17,0	14,0	10,0	27,0	24,0	17,5
<b>Fans</b>																		
Centrifugal Fans n°	3						3						3					
Air flow rate m³/h	920	770	567	920	770	567	1050	978	785	1050	978	785	1050	978	785	1050	978	785
High static pressure Pa	71	50	27	71	50	27	58	50	32	58	50	32	58	50	32	58	50	32
<b>Sound level</b>																		
Sound Power (Inlet+Radiator) (4) dB(A)	61	56	46	61	56	46	62	60	54	62	60	54	62	60	54	62	60	54
Sound Power (Outlet) dB(A)	60	54	44	60	54	44	61	59	52	61	59	52	61	59	52	61	59	52
<b>Hydraulic connections</b>																		
<b>Main coil</b>																		
Standard Ø	3/4"			/			3/4"			/			3/4"			/		
Oversized Ø	/			3/4"			/			3/4"			/			3/4"		
<b>Electrical data</b>																		
Absorbed power W	118	89	66	118	89	66	138	117	92	138	117	92	138	117	92	138	117	92
Connected for speeds	V7	V4	V1	V7	V4	V1	V7	V5	V2	V7	V5	V2	V7	V5	V2	V7	V5	V2
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) 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.

Sound pressure level (A-weighted) measured indoors with volume V=85m³, reverberation time t = 0.5 s; Direction factor Q = 2; Distance r = 2.5m

## Technical data (EUROVENT FCP4H) Unit for 4 pipe systems (with main + supplementary coil)

FCZ_PO			201			301			401		
Fan speed			H	M	L	H	M	L	H	M	L
<b>Hating Performance</b>											
<b>4 pipe systems</b>											
Heating capacity (65°C)	(1)	kW	1,48	1,37	1,06	2,55	2,39	1,82	2,99	2,75	2,19
Water flow rate	(1)	l/h	130	120	93	223	210	159	262	240	192
Pressure drop	(1)	kPa	9,0	8,0	5,0	13,5	12,0	8,0	8,0	7,0	5,0
<b>Cooling Performance</b>											
Total cooling capacity	(2)	kW	1,44	1,31	0,93	2,63	2,44	1,70	3,41	3,06	2,29
Sensible cooling capacity	(2)	kW	1,18	1,07	0,74	2,03	1,86	1,27	2,52	2,24	1,66
Cooling capacity (latent)	(2)	kW	0,26	0,24	0,19	0,60	0,58	0,43	0,89	0,82	0,63
Water flow rate	(2)	l/h	248	224	160	452	413	292	586	526	394
Pressure drop	(2)	kPa	15,0	13,0	7,0	18,0	16,0	8,5	22,0	18,0	11,0
<b>Fans</b>											
Centrifugal Fans	n°		1			2			2		
Air flow rate	m³/h		254	226	148	446	404	263	559	487	346
High static pressure	Pa		63	50	21	61	50	21	66	50	25
<b>Sound level</b>											
Sound Power (Inlet+Radiator)	(3)	dB(A)	59	56	41	54	51	39	55	54	44
Sound Power (Outlet)		dB(A)	55	52	37	49	47	35	52	50	40
<b>Hydraulic connections</b>											
Main coil	Ø		1/2"			3/4"			3/4"		
Additional coil	Ø		1/2"			1/2"			1/2"		
<b>Electrical data</b>											
Absorbed power	W		74	41	28	78	55	38	102	63	53
Connected for speeds			V6	V4	V2	V6	V4	V1	V6	V3	V1
Power supply	V/ph/Hz		230V~50Hz								

FCZ_PO			501			601			701			901		
Fan speed			H	M	L	H	M	L	H	M	L	H	M	L
<b>Hating Performance</b>														
<b>4 pipe systems</b>														
Heating capacity (65°C)	(1)	kW	3,34	3,30	2,59	4,35	3,85	3,13	4,60	4,40	4,13	5,77	5,71	5,16
Water flow rate	(1)	l/h	301	290	226	381	336	274	403	385	361	504	500	452
Pressure drop	(1)	kPa	9,0	8,5	5,5	16,0	13,0	9,0	16,5	15,0	15,5	12,1	12,1	10,0
<b>Cooling Performance</b>														
Total cooling capacity	(2)	kW	3,82	3,65	2,68	4,65	4,08	3,37	5,18	4,97	4,24	5,95	5,33	4,38
Sensible cooling capacity	(2)	kW	2,83	2,70	1,94	3,92	3,34	2,70	4,02	3,83	3,24	4,73	4,11	3,11
Cooling capacity (latent)	(2)	kW	0,99	0,95	0,74	0,73	0,74	0,67	1,16	1,14	1,00	1,22	1,22	1,27
Water flow rate	(2)	l/h	657	628	461	800	702	580	891	855	729	1023	917	753
Pressure drop	(2)	kPa	24,0	22,0	13,0	26,0	21,0	15,0	28,0	26,0	19,5	17,0	14,6	10,0
<b>Fans</b>														
Centrifugal Fans	n°		2			3			3			3		
Air flow rate	m³/h		627	592	400	920	770	567	1050	978	785	1050	978	785
High static pressure	Pa		56	50	22	71	50	27	58	50	32	58	50	32
<b>Sound level</b>														
Sound Power (Inlet+Radiator)	(3)	dB(A)	57	55	45	61	56	46	62	60	54	62	60	54
Sound Power (Outlet)		dB(A)	53	51	41	60	54	44	61	59	52	61	59	52
<b>Hydraulic connections</b>														
Main coil	Ø		3/4"			3/4"			3/4"			3/4"		
Additional coil	Ø		1/2"			1/2"			1/2"			1/2"		
<b>Electrical data</b>														
Absorbed power	W		96	80	50	118	89	66	138	117	93	138	117	92
Connected for speeds			V6	V5	V1	V7	V4	V1	V7	V5	V2	V7	V5	V2
Power supply	V/ph/Hz		230V~50Hz											

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

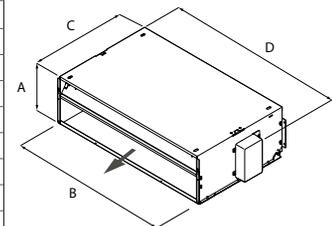
(2) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7°C/12°C (EUROVENT)

(3) 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.

Sound pressure level (A-weighted) measured indoor with volume V=85m³, reverberation time t = 0.5 s; Direction factor Q = 2; Distance r = 2.5m

## Dimensions and Weights

FCZ_P / PO / PPC	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550	
<b>Dimensions for all versions</b>																					
A	mm	216				216				216				216				216			
B	mm	412				522				753				973				973			
C	mm	453				453				453				453				453			
D*	mm	452				562				793				1013				1013			
Weight	kg	12	12	13	13	12	13	14	14	14	15	16	16	20	21	22	22	23	23	24	24
FCZ_P / PO / PPC	600	601	602	650	700	701	702	750	800	801	802	850	900	901	/	950	1000	1001	/	/	
<b>Dimensions for all versions</b>																					
A	mm	216				216				216				216				216			
B	mm	1122				1122				1122				1122				1122			
C	mm	453				453				453				558				558			
D*	mm	1147				1147				1147				1147				1147			
Weight	kg	29	30	31	31	26	27	28	28	26	27	28	28	32				32			



\* maximum dimensions

All specifications are subject to change without prior notice. Although every effort has been made to ensure accuracy, Aermec does not assume responsibility or liability for eventual errors or omissions.

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