FCL

Cassette Type Fan Coil Unit

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



EUROVENT CERTIFIED PERFORMANCE
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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.
There is the possibility to combine outside air with the inlet ambient air, and to distribute it in separate rooms.

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

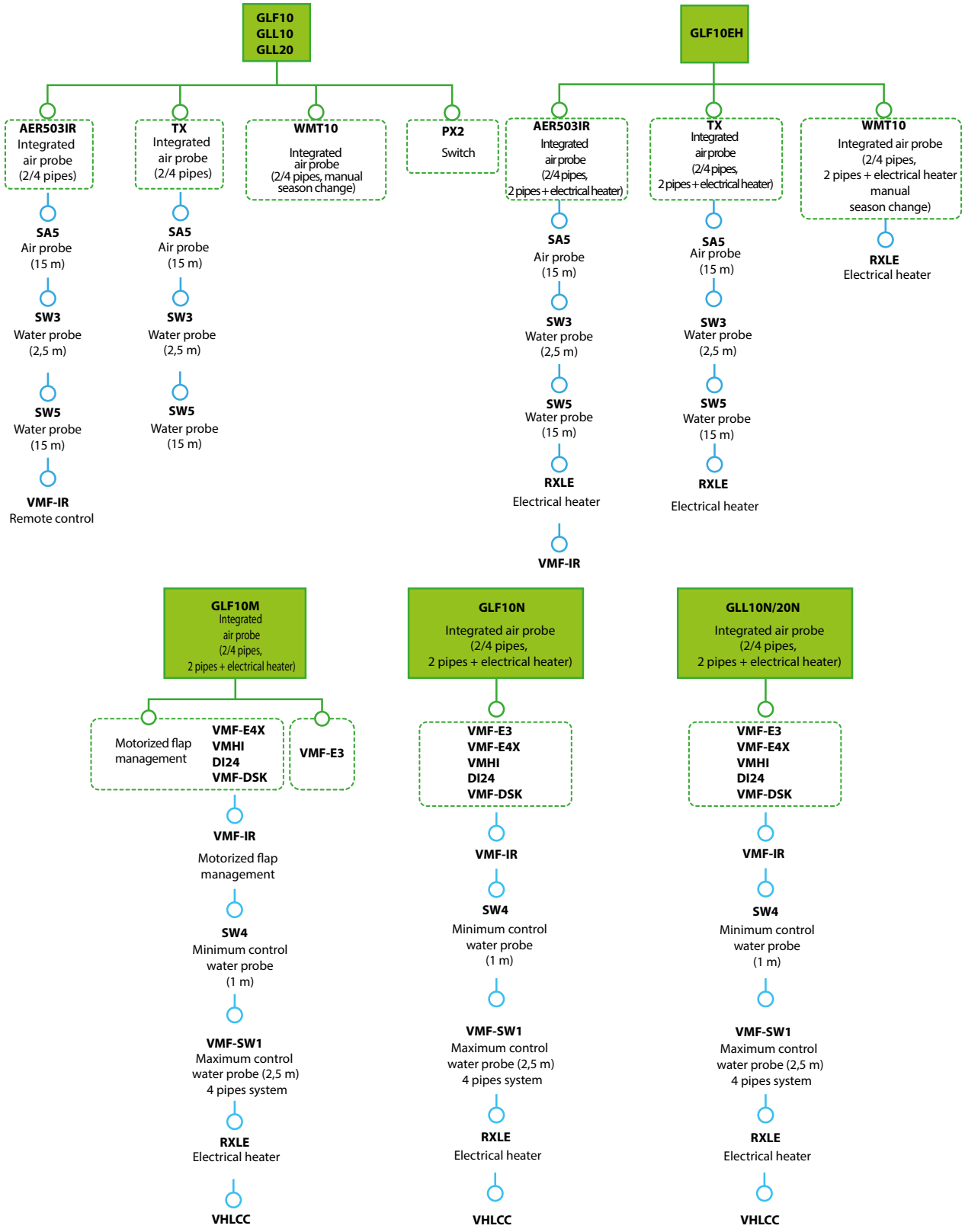
Air filter easily removed and cleaned, self-supporting structure, characterised by a high efficiency and low pressure drops, with class-V0 fire resistance (UL 94).

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



RXLE it can be installed only at the factory.

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 louvers. 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 orientated with the remote control. (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.

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.

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.

AerSuite

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

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

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



VMF system

DI24: Flush-mounted interface (503 box) with 2.4" touch screen display to be combined with VMF-E19, VMF-E19I accessories. It allows you to regulate and monitor the temperature inside rooms precisely and on time; in addition to accessing and interacting with your system's operating information, parameters and alarms, it allows you to set time slots. Thanks to its Wi-Fi connection, DI24 in combination with the AerSuite APP (available for Android and iOS) can also be remotely controlled. All programming and most functions are done in a simple and intuitive way using the APP. To allow for customization of the interface so that it seamlessly integrates with the style of any home, DI24 is compatible with switch plates from major brands available on the market. For more information, please refer to our documentation. However, a switch plate with its graphite gray support, DI24CP, is also available as a separate accessory in our catalog.

VMF-DSK: User interface with an easy-to-read light display that provides clear information on room temperature, programming settings and more. Thanks to the ergonomic ring nut switch, adjusting the desired temperature is very easy. The knob allows precise and immediate adjustments, offering a classic but highly effective control mode. Not only functional, but also aesthetically pleasing. Our interface features a modern, compact design that fits perfectly in any environment, adding a touch of style to your home or office. It is available in white (VMF-DSK) and black (VMF-DSKD).

VMF-E3: Wall-mounted user interface, also controllable via 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 AER503IR, VMF-E3 thermostat.

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

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. In case you decide to install Aermec thermostats and current absorbed by the unit exceeds 0.7 A, you're obliged to include SIT3 accessory.

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 for 2/4 pipe. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices, radiant plate or FCZ-D twin delivery (Dualjet).

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

Electric heaters it can be installed only at the factory

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

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.
VHLCC: A plug-and-play connection kit designed to interface third-party valve actuators with the control box.

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	•	•	•	•	•	•	•	•

(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.

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	72	82	84	102	104	122	124
GLL10 (1)	FCL,V2,VL	•	•	•	•	•	•	•	•	•						
GLL10N (2)	FCL,V2,VL	•	•	•	•	•	•	•	•	•						
GLL20 (1)	FCL,V2,VL										•	•	•	•	•	•
GLL20N (2)	FCL,V2,VL										•	•	•	•	•	•

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

VMF system

Model	Ver	32	34	36	38	42	44	62	64
DI24	FCL,V2,VL	•	•	•	•	•	•	•	•
VMF-DSK	FCL,V2,VL	•	•	•	•	•	•	•	•
VMF-E3	FCL,V2,VL	•	•	•	•	•	•	•	•
VMF-E4DX	FCL,V2,VL	•	•	•	•	•	•	•	•
VMF-E4X	FCL,V2,VL	•	•	•	•	•	•	•	•
VMF-IR	FCL,V2,VL	•	•	•	•	•	•	•	•
VMF-SW1	FCL,V2,VL	•	•	•	•	•	•	•	•

Model	Ver	72	82	84	102	104	122	124
DI24	FCL,V2,VL	•	•	•	•	•	•	•
VMF-DSK	FCL,V2,VL	•	•	•	•	•	•	•
VMF-E3	FCL,V2,VL	•	•	•	•	•	•	•
VMF-E4DX	FCL,V2,VL	•	•	•	•	•	•	•
VMF-E4X	FCL,V2,VL	•	•	•	•	•	•	•
VMF-IR	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	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SIT3 (3)	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.
(5) Wall-mounting. If the unit intake exceeds 0.7A, or several units need to be managed with a single thermostat, board SIT3 and/or SIT5 is required.

Model	Ver	32	34	36	38	42	44	62	64	72	82	84	102	104	122	124
SIT5 (4)	FCL,V2,VL	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SW3 (2)	FCL,V2,VL	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SW4	FCL,V2,VL	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SW5 (2)	FCL,V2,VL	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
TX (5)	FCL,V2,VL	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
WMT10 (5)	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.
(5) Wall-mounting. If the unit intake exceeds 0.7A, or several units need to be managed with a single thermostat, board SIT3 and/or SIT5 is required.

3 way valve kit

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

(1) Obligatory accessory in 4-pipe systems.

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		•		•		•		•

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

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.

Third-party valve connection kit

Model	Ver	32	34	36	38	42	44	62	64	72
VHLCC	FCL,V2,VL	•	•	•	•	•	•	•	•	•

Model	Ver	82	84	102	104	122	124
VHLCC	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	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

Electric heaters it can be installed only at the factory

Model	Ver	32	34	36	38	42	44	62	64	72
RXLE (1)	FCL,V2,VL	•		•		•		•		•

(1) It is mandatory to provide one of the grids that manage the resistance.

Model	Ver	82	84	102	104	122	124
RXLE20 (1)	FCL,V2,VL	•		•		•	

(1) It is mandatory to provide one of the grids that manage the resistance.

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	1.039	726	1.025	1.551	921	1.289	1.903
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
Heating performance 45 °C / 40 °C (2)																									
Heating capacity	kW	1,10	1,47	1,98	1,70	2,24	3,12	1,65	2,22	3,64	2,58	3,17	5,21	3,50	3,76	5,63	2,92	4,03	5,90	4,12	5,82	8,81	5,23	7,32	10,80
Water flow rate system side	l/h	192	254	345	295	389	541	287	386	633	448	550	905	530	654	977	507	701	1.025	716	1.011	1.530	909	1.271	1.877
Pressure drop system side	kPa	4	6	11	6	9	17	5	9	23	10	15	36	13	19	40	7	12	23	4	7	15	10	17	35
Cooling performance 7 °C / 12 °C (3)																									
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	1.032	697	1.012	1.547	921	1.292	1.893
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 (4)	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 fittings																									
Type	type	Gas - F			Gas - F			Gas - F			Gas - F			Gas - F			Gas - F			Gas - F			Gas - F		
Main heat exchanger	Ø	3/4"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"		
Finned pack heat exchanger																									
Water content main heat exchanger	l	0,6			0,8			0,8			1,3			1,3			2,6			4,0			4,0		
Power supply																									
Power supply	V/Ph/Hz	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 20°C d.b.; Water (in/out) 45°C/40°C; EUROVENT (listing FCU AERMEC 2025)
(3) Room air temperature 27 °C d.b./19 °C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT (listing FCU AERMEC 2025)
(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

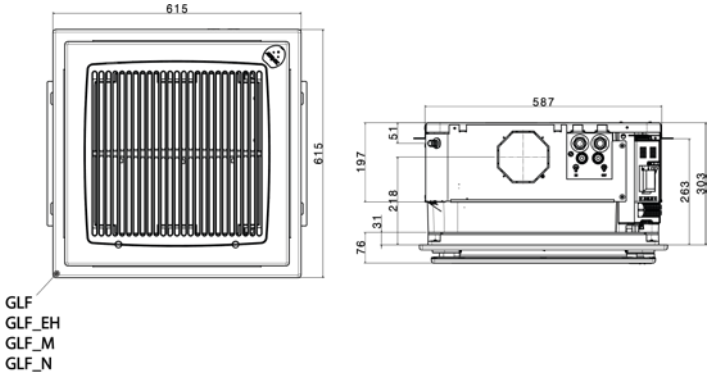
4-pipe

		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	1.032	602	845	1.238	786	1.068	1.513
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 (3)	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 fittings																						
Type	type	Gas - F			Gas - F			Gas - F			Gas - F			Gas - F			Gas - F			Gas - F		
Secondary heat exchanger	Ø	1/2"			1/2"			1/2"			1/2"			1/2"			1/2"			1/2"		
Main heat exchanger	Ø	3/4"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"		
Finned pack heat exchanger																						
Water content main heat exchanger	l	0,8			0,8			0,8			1,1			2,6			2,6			2,6		
Water content secondary heat exchanger	l	0,2			0,2			0,2			0,2			1,4			1,4			1,4		
Power supply																						
Power supply	V/Ph/Hz	230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz		

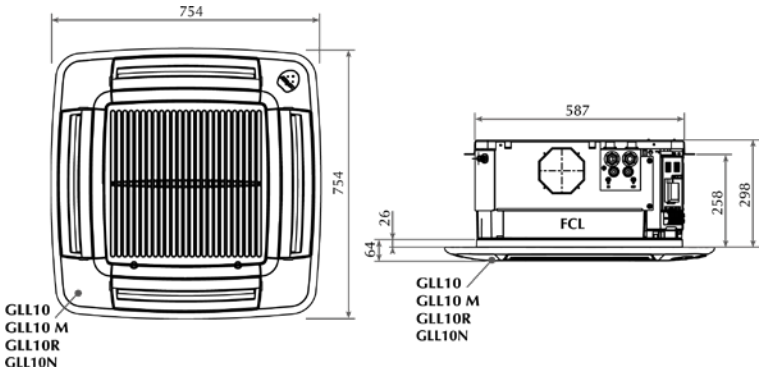
(1) Room air temperature 20°C d.b.; Water (in/out) 65 °C/55 °C; EUROVENT (listing FCU AERMEC 2025)
(2) Room air temperature 27 °C d.b./19 °C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT (listing FCU AERMEC 2025)
(3) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583:15, respecting the Eurovent certification.

DIMENSIONS

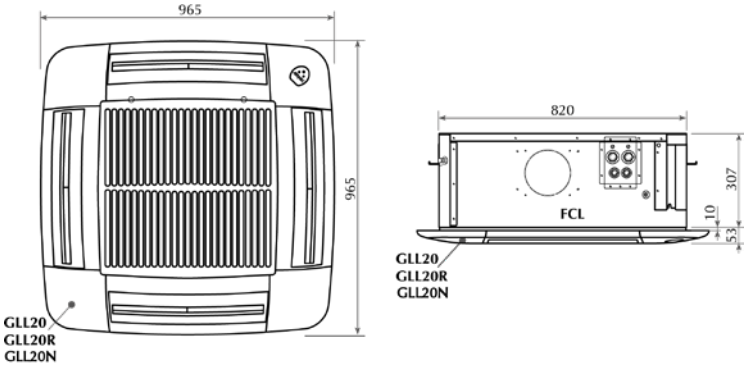
Dimensions FCL 32 - 34 - 36 - 38 - 42 - 44 - 64 - 72 con GLF



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

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

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