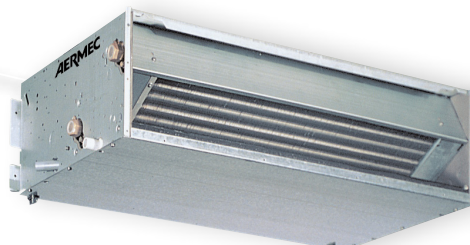


## FHX Fan coils With germicidal lamp



Aermec participate in the EUROVENT program: FCH the products are present on the site [www.eurovent-certification.com](http://www.eurovent-certification.com)



FHX-UV  
FHX-UVPO



FHX-UV

☐ Cabinet RAL 9002  
☐ heatboard RAL 7044



VMF

- **GERMICIDAL LAMP INCORPORATED**
- **ESSENTIAL IN ENVIRONMENTS THAT REQUIRE THE HIGHEST LEVELS OF HYGIENE**
- **3 ROW COIL**

The FHX fan coil is fitted with an exclusive device for air sterilization, making it essential in environments that require the highest levels of hygiene, such as:

- hospitals
- dentists' surgeries
- doctors' and vets' surgeries
- analysis laboratories
- pharmaceutical companies
- waiting rooms
- beauty institutes
- homes
- offices
- public premises

### Features

#### • Versions:

**FHX-UV:** universal free-standing or wall/ceiling mounting.

**FHX-UVPO:** wall-mounted model without cabinet.

**FHX-UVPO:** wall-mounted model without cabinet, with boosted motor at 6/7 speeds (3 selectable).

- Compatible with VMF System.
- Exclusive air sterilization system with germicidal lamps. Efficiency of 99.999% in the deactivation of all microorganism Gram - and Gram +

- 3 row coil.
- 3-speed ventilating unit.
- Full compliance with the accident prevention standards.
- Rounded line.
- Quiet operation.
- Low loss of charge in the heat exchange batteries.
- Electric motors with permanently inserted condensers.
- Ease of installation and maintenance.
- Air filter easy to remove and clean.
- Control made by a microprocessor thermostat

supplied as an accessory:

- FHX-UVPO and UVPO: requires external control panel.
- FHX-UV: The control panel may be fitted on board the unit or externally.
- FHX-UV: Metal protection cabinet with varnishing in anticorrosion polyester, colour RAL9002.
- FHX-UV: The air delivery and suction louvers are made of plastic material, colour RAL7044
- Adjustable air delivery louver on version UV except models 62 and 82.

## Accessories

- **AMP20:** kit for the wall mounting installation
- **BC:** Auxiliary condensate drip tray.
- **GA:** Intake louver with fixed slats.
- **GAF:** Intake louver with fixed slats and filter.
- **GM:** Delivery louver with adjustable slats.
- **PA:** Intake Plenum made of galvanized steel sheet, provided with Intake Connections for Circular Section Ducts.
- **PA-F:** Intake plenum that allows to have the intake and the delivery on the same side, suitable for all the installations where it is requested to put the appliance outside the air-conditioned rooms in order to reduce to the minimum the noise and facilitate the maintenance operations.
- **PC:** Rear cover panel. Conveniently covers exposed rear fancoil sections. The panel is required by current safety standards for units installed away from the room wall.
- **PM:** Delivery plenum in galvanized steel with external insulation, with plastic outlet connections for circular section ducting.
- **RD:** Delivery straight duct connection.
- **RDA:** Intake straight duct connection.
- **RP:** Delivery 90° duct connection.
- **RPA:** Intake 90° duct connection.
- **SE:** Manually operated fresh air intake louver.
- **SIT 3-5:** Thermostat interface cards. They allow to set up a fancoils network (max. 10) commanded by a centralised panel (switch or thermostat).
- **SIT3:** commands the three speeds of the fan and must be installed on each fancoil of the network; it receives the commands from the switch or from the SIT5 card.
- **SIT5:** commands the 3 fan speeds and up to two valves (four-pipe systems); it sends the thermostat commands to the fancoils network.
- **SW:** Probe for the electronic thermostats which permits operation of the unit only with water above 35 °C.
- **VCF:** The SW3 probe must be combined to this accessory.
- **VCF:** Kit complete with copper connections and 3 way valves all or nothing type, to be powered by a 230 V ~ 50Hz, 24 V ~ 50Hz voltage supply.
- **Attention: The VCF valve and the drip tray BC4 can be installed at the same time as the fan coil.**
- **VCFD:** The SW3 probe must be combined to this accessory.
- **VCFD:** Kit complete with copper connections and 2 way valves all or nothing type, to be powered by a 230 V ~ 50Hz, 24 V ~ 50Hz voltage supply.
- **Attention: The VCFD valve and the drip tray BC4 can be installed at the same time as the fan coil.**
- **ZX:** Feet for built-in installation.

### Compulsory accessories to choose from

- **PXAE:** Electronic thermostat simplified controls with only 2 selectors for adjusting temperature and fan speed (3 speeds, manual or automatic control). Continuous or thermostated ventilation. Wall installation.
- **PXAI:** Electronic thermostat simplified controls with only 2 selectors for adjusting temperature and fan speed (3 speeds, manual or automatic control). Water temperature sensor included.
- **Control panels and VMF System:** the characteristics are described on the appropriate card.

Accessories		Size (FHX)						Versions
		22	32	42	50	62	82	
AMP	20	•	•	•	•	•		UVP-UVPO
	4	•	•	•	•	•	•	UV-UVP-UVPO
	5	•	•	•	•			UV-UVP-UVPO
BC	6					•	•	UV-UVP-UVPO
	8	(1)	•	•	•			UVP-UVPO
	9	(1)				•	•	UVP-UVPO
GA	22	•						UVP-UVPO
	32		•					UVP-UVPO
	42			•	•			UVP-UVPO
	62					•	•	UVP-UVPO
GAF	22	•						UVP-UVPO
	32		•					UVP-UVPO
	42			•	•			UVP-UVPO
GM	22	•				•	•	UVP-UVPO
	32		•					UVP-UVPO
	42			•	•			UVP-UVPO
	62					•	•	UVP-UVPO
PA	22	•						UVP-UVPO
	32		•					UVP-UVPO
	42			•	•			UVP-UVPO
	62					•	•	UVP-UVPO
PA	22F	•						UVP-UVPO
	32F		•					UVP-UVPO
	42F			•	•			UVP-UVPO
	62F					•	•	UVP-UVPO
PC	23	•						UV
	33		•					UV
	43			•	•			UV
	62					•	•	UV
PM	22	•						UVP-UVPO
	32		•					UVP-UVPO
	42			•	•			UVP-UVPO
	62					•	•	UVP-UVPO
PXAE	(2)	•	•	•	•	•	•	UV-UVP-UVPO
PXAI	(2)	•	•	•	•	•	•	UV

Accessories		Size (FHX)						Versions
		22	32	42	50	62	82	
RD	22	•						UVP-UVPO
	32		•					UVP-UVPO
	42			•	•			UVP-UVPO
	62					•	•	UVP-UVPO
RDA	22	•						UVP-UVPO
	32		•					UVP-UVPO
	42			•	•			UVP-UVPO
RP	22	•						UVP-UVPO
	32		•					UVP-UVPO
	42			•	•			UVP-UVPO
	62					•	•	UVP-UVPO
RPA	22	•						UVP-UVPO
	32		•					UVP-UVPO
	42			•	•			UVP-UVPO
	62					•	•	UVP-UVPO
SE	20X	(3)	•					UVP-UVPO
	30X	(3)		•				UVP-UVPO
	40X	(3)			•	•		UVP-UVPO
	80X	(3)				•	•	UVP-UVPO
SIT3		•	•	•	•	•	•	UV-UVP-UVPO
SIT5		•	•	•	•	•	•	UV-UVP-UVPO
SW3		•	•	•	•	•	•	UV-UVP-UVPO
VCF	41	•	•					UV-UVP-UVPO
	42			•	•			UV-UVP-UVPO
	43					•	•	UV-UVP-UVPO
	4124	•	•					UV-UVP-UVPO
	4224			•	•			UV-UVP-UVPO
	4324					•	•	UV-UVP-UVPO
VCFD	1	•	•					UV-UVP-UVPO
	2			•	•			UV-UVP-UVPO
	3					•	•	UV-UVP-UVPO
	124	•	•					UV-UVP-UVPO
	224			•	•			UV-UVP-UVPO
	324					•	•	UV-UVP-UVPO
ZX	7	•	•	•	•			UVP-UVPO
	8					•	•	UVP-UVPO

(1) BC8 and BC9 are not applicable to fan coils with cover cabinets

(2) compulsory accessory

(2) SE accessories are matched with ZX feet

## Technical data

Mod.		Vel.	FHX22	FHX32	FHX42	FHX50	FHX62	FHX82
<b>HEATING PERFORMANCE (2 PIPE CONFIGURATION)</b>								
Heating capacity (70°C)	(1)	W	H	2960	5354	9918	8191	12919
	(1)	W	M	2531	4065	5521	7529	10942
	(1)	W	L	1906	3165	4062	5021	8327
Water flow rate	(1)	l/h	H	260	470	581	718	1133
	(1)	l/h	M	222	357	484	660	960
	(1)	l/h	L	167	278	356	440	730
Pressure drop	(1)	kPa	H	6	20	15	15	21
	(1)	kPa	M	4	12	11	13	16
	(1)	kPa	L	3	8	6	6	11
Heating capacity (50°C)	(2)	W	H	1770	3160	3960	4870	7500
	(2)	W	M	1510	2400	3300	4480	6430
	(2)	W	L	1130	2060	2430	3000	4880
Water flow rate	(2)	l/h	H	258	413	585	721	836
	(2)	l/h	M	210	316	478	604	752
	(2)	l/h	L	144	267	397	432	554
Pressure drop	(2)	kPa	H	6	16	15	15	21
	(2)	kPa	M	5	10	13	11	7
	(2)	kPa	L	2	7	8	6	4
<b>COOLING PERFORMANCE</b>								
Total cooling capacity	(3)	W	H	1500	2400	3400	4190	4860
	(3)	W	M	1220	1840	2780	3510	4370
	(3)	W	L	840	1550	2310	2510	3220
Sensible cooling capacity	(3)	W	H	1240	1900	2760	3000	3980
	(3)	W	M	1000	1570	2110	2540	3300
	(3)	W	L	670	1110	1630	1790	2440
Water flow rate	(3)	l/h	H	258	413	585	721	836
	(3)	l/h	M	210	316	478	604	752
	(3)	l/h	L	144	267	397	432	554
Pressure drop	(3)	kPa	H	6	28	14	19	17
	(3)	kPa	M	5	17	10	14	14
	(3)	kPa	L	3	13	7	8	8
Air flow rate		m³/h	H	290	450	600	720	920
		m³/h	M	220	350	460	600	720
		m³/h	L	140	260	330	400	520
Fans		type				Centrifugal		
		n°		1	2	2	3	3
Absorbed power		W	H	25	44	57	67	82
		W	M	22	33	43	46	61
		W	L	19	25	30	34	59
Absorbed power with germicidal lamp		W	H	50	69	82	92	182
		W	M	47	58	68	71	161
		W	L	44	50	55	59	140
Total input power (UV/UVP)	A			0,12	0,21	0,28	0,35	0,4
Total input power (UVPO)	A			0,37	0,57	0,63	0,48	0,92
Sound power level	(4)	dB(A)	H	50	48	51	56	57
	(4)	dB(A)	M	43	41	44	51	51
	(4)	dB(A)	L	31	34	37	42	42
Sound pressure level	(5)	dB(A)	H	42	40	43	48	49
	(5)	dB(A)	M	35	33	36	43	43
	(5)	dB(A)	L	23	26	29	34	34
Water content		l		0,79	1,11	1,48	1,48	2,52
Coil connections		ø		1/2"	1/2"	3/4"	3/4"	3/4"
Speed connected			H	V3	V3	V3	V3	V3
			M	V2	V2	V2	V2	V2
			L	V1	V1	V1	V1	V1
Power supply						230V/1/50Hz		

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

### Heating mode

#### 2 pipes system configuration

(1) Room air temperature 20°C b.s.; Inlet water temperature 70°C; ΔT water 10°C

#### 2 pipes system configuration (EUROVENT)

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

### Cooling mode (EUROVENT)

(3) Room air temperature 27°C b.s./19°C b.u.; Inlet water temperature 7°C; ΔT water 5°C

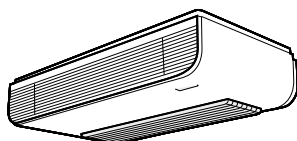
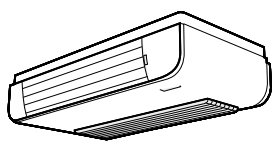
(4) **Sound power level** on the basis of measurements made in compliance with Eurovent 8/2

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

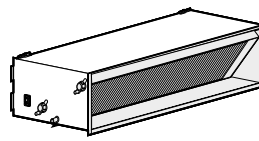
**Note:** For more information, please refer to the program selection and the technical documentation available on the website [www.aermec.com](http://www.aermec.com)

## Dimensions and Weight

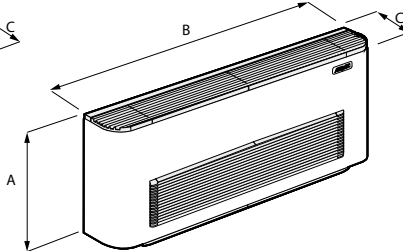
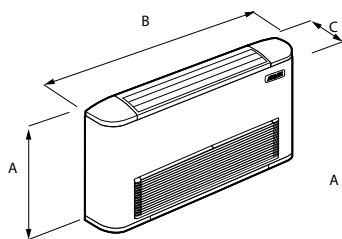
wall-mounted model with cabinet



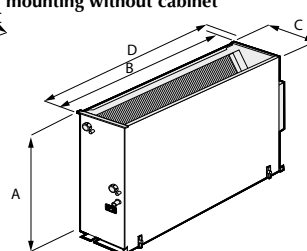
wall-mounted model without cabinet



universal free-standing or wall/ceiling mounting with cabinet



universal free-standing or wall/ceiling mounting without cabinet



FHX22-32-42-50UV

FHX62-82UV

FHX22-32-42-5062-82UVP/UVPO

Mod FHX_UV			22	32	42	50	62	82
Height	A	mm	520	520	520	520	590	590
Width	B	mm	750	980	1200	1200	1320	1320
Depth	C	mm	220	220	220	220	220	220
Weight		kg	16	26	25	25	35	35

Mod FHX_UVP/UVPO			22	32	42	50	62	82
Height	A	mm	453	453	453	453	453	453
Width	B	mm	522	753	973	973	1122	1122
	D (6)	mm	572	823	1043	1043	1205	1205
Depth	C	mm	216	216	216	216	216	216
Weight		kg	16	26	25	25	35	35

(6) Maximum size (including the electrical box)