

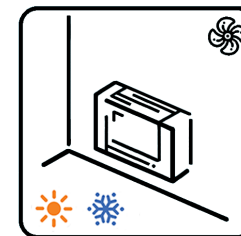


FIDOKS
HEATING AND COOLING

FOKS EPIC
WALL CONVECTOR WITH FAN



PRICE LIST 2023



		Length (cm)				75				95				115			
FVKV-HC 13/58	Max input (A)					0.11				0.16				0.18			
	Dimensions of convector L/H/W (mm)					735 / 575 / 132				935 / 575 / 132				1136 / 575 / 132			
	Dimensions of heat exchanger L/H(mm)					200 / 300				400 / 300				600 / 300			
	Weight (kg)					17				20				23			
	Water volume (L)					0.47				0.8				1.13			
	Fan speed	Off	1	2	3	Off	1	2	3	Off	1	2	3				
	Acoustic noise pressure level dB (A)	0	24.6	33.6	39.8	0	25.8	34.5	40.6	0	26.1	34.8	42.6				
	Fan air debit (m3/h)	0	54	115	159	0	152	254	317	0	245	369	458				
	Heating output (W) - 75/65/20°C	351	898	1645	2096	839	2406	3592	4527	986	3810	5261	6318				
	Heating output (W) - 50/45/20°C	179	458	839	1069	428	1227	1832	2309	503	1943	2683	3222				
Heating output (W) - 40/35/20°C	109	346	670	925	261	965	1501	1856	307	1544	2204	2699					
Cooling output TOTAL (W) - 7/12/27°C	0	369	652	856	0	1110	1624	1947	0	1770	2404	2860					
Cooling output SENSIBLE (W) - 7/12/27°C	0	250	455	607	0	744	1110	1345	0	1187	1638	1969					
€					298				334				381				
*WALL / CEILING BUILT-IN MODULE - €					*238 / *263				*267 / *291				*305 / *329				
FVKV-HC 13/43	Dimensions of convector L/H/W (mm)					735 / 425 / 132				935 / 425 / 132				1136 / 425 / 132			
	Dimensions of heat exchanger L/H(mm)					200 / 160				400 / 160				600 / 160			
	Weight (kg)					12				14				16			
	Water volume (L)					0.24				0.4				0.57			
	Fan speed	Off	1	2	3	Off	1	2	3	Off	1	2	3				
	Acoustic noise pressure level dB (A)	0	24.2	32.9	39.2	0	25.3	33.9	39.8	0	25.6	34.1	41.8				
	Fan air debit (m3/h)	0	49	106	146	0	128	214	259	0	229	321	411				
	Heating output (W) - 75/65/20°C	233	710	1127	1463	337	1633	2331	2735	422	2790	3539	4308				
	Heating output (W) - 50/45/20°C	119	362	575	746	172	833	1189	1395	215	1423	1805	2197				
	Heating output (W) - 40/35/20°C	73	270	405	555	105	655	968	1151	131	1166	1509	1864				
Cooling output TOTAL (W) - 7/12/27°C	0	264	358	430	0	685	971	1132	0	1245	1562	1880					
Cooling output SENSIBLE (W) - 7/12/27°C	0	192	273	336	0	487	706	832	0	880	1122	1370					
€					283				325				372				
*WALL / CEILING BUILT-IN MODULE - €					*227 / *250				*260 / *283				*298 / *321				

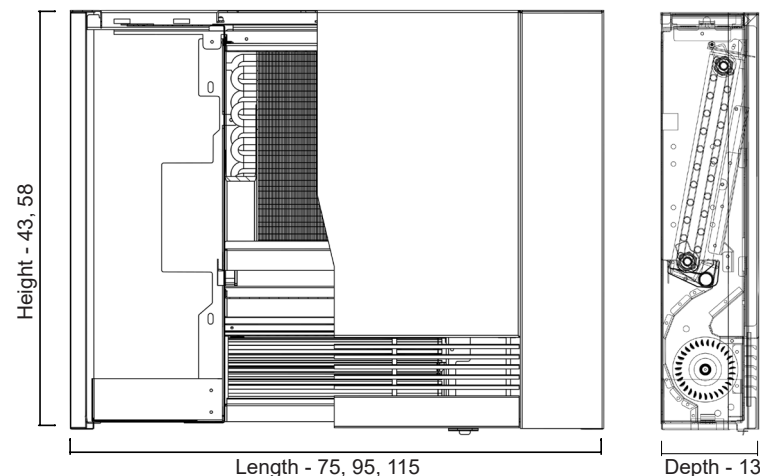


ORDER CODE (dimensions in cm)

product code - Length / Depth / Height - body color - grille color - additional

FVKV-HC 95 / 13 / 43 - RAL XXXX - S - FD

Dimensions (cm)



*Metal box and front panel are not included - have to be ordered separately

ADDITIONAL	Code	Convector type	€
Decorative feet h=90 mm	FD EPIC	all FVKV-HC	14
Stable feet for floor mounting h=90 mm (in set with decorative feet)	FS EPIC	all FVKV-HC	25
Freestanding convector kit: Decorative back panel + stable feet for floor mounting with decorative feet	BD EPIC 58/75	FVKV-HC 58/13/75	78
	BD EPIC 58/95	FVKV-HC 58/13/95	83
	BD EPIC 58/115	FVKV-HC 58/13/115	90
	BD EPIC 43/75	FVKV-HC 43/13/75	73
	BD EPIC 43/95	FVKV-HC 43/13/95	79
	BD EPIC 43/115	FVKV-HC 43/13/115	85
Metal box for built-in wall / ceiling mounting	IW EPIC 58/75	FVKV-HC 58/13/75	118
	IW EPIC 58/95	FVKV-HC 58/13/95	130
	IW EPIC 58/115	FVKV-HC 58/13/115	145
	IW EPIC 43/75	FVKV-HC 43/13/75	64
Decorative front panel with grille	IW EPIC 43/95	FVKV-HC 43/13/95	72
	IW EPIC 43/115	FVKV-HC 43/13/115	80
	FW EPIC 58/75	FVKV-HC 58/13/75	81
	FW EPIC 58/95	FVKV-HC 58/13/95	93
	FW EPIC 58/115	FVKV-HC 58/13/115	107
	FW EPIC 43/75	FVKV-HC 43/13/75	73
	FW EPIC 43/95	FVKV-HC 43/13/95	84
	FW EPIC 43/115	FVKV-HC 43/13/115	97

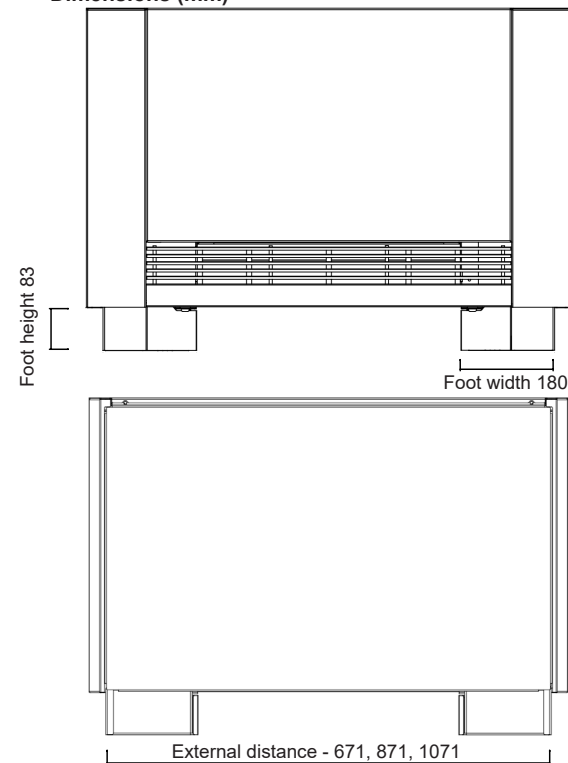
FREESTANDING CONVECTOR KIT

- stable feet for floor mounting with decorative feet
- decorative back panel
- powder coated with the same colour as the convector
- suitable for mounting in front of showcases or french windows

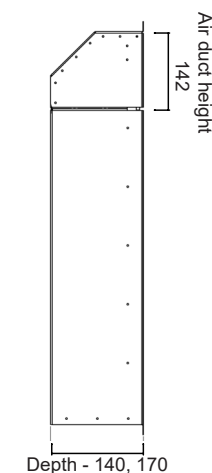
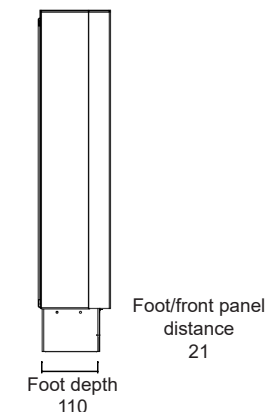
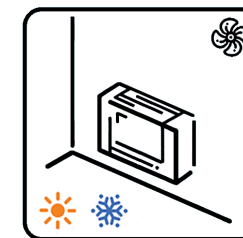
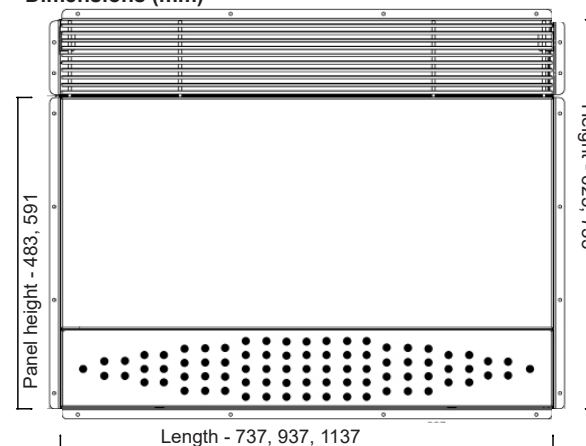
BUILT-IN WALL / CEILING INSTALLATION KIT: HEATING MODULE, METAL BOX AND FRONT PANEL WITH SUCTION GRILLE

- built-in heating module includes bimetallic heat exchanger with 1/2" F, pipe connections on the left. Fan with air filter, stainless steel condensate drain basin
- metal box for installation in a wall made of galvanized metal with an air duct and a linear aluminum grille of an L-shaped profile directing the air flow
- decorative front panel with suction metal grille with over 4000 holes

FREESTANDING CONVECTOR KIT Dimensions (mm)

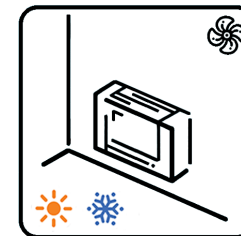


BUILT-IN WALL / CEILING INSTALLATION KIT: Dimensions (mm)



CUSTOMIZED COLOR (BODY AND GRILLE)

- Standard colors (no additional charge)
- RAL 9016 MATT - white matt
- RAL 9016 GLOSSY - white glossy
- Other RAL colors - Additional charge +9% (grille in the same color IS included).
- Wood imitating lamination - Additional charge +18% (grilles powder coated in color close to the nuance of the wood included)
- grille powder coated in different color from the body - additional charge +5%



ADDITIONAL SPECIFICATION

- Grille color - "S" - silver, grille powder coated in the same color as the convector body - without additional charge, grille powder coated RAL XXXX different from the body color - additional charge +5% (powder coating of the upper side covers in the same color included)
- "- N" - stainless steel body AISI 304 (Additional charge + 13 %) + powder coating RAL 9016 - white matt
- "-R" - pipe connection on the RIGHT side

STANDARD PACKAGE CONTENT

- Steel powder coated body (RAL 9016 matt)
- Bi-metallic heat exchanger (Al-Cu) 1/2" F, powder coated (RAL 9005)
- LEFT pipe connection inlet and outlet
- Linear AL grilles RAL 9016 matt powder coated
- Soundproofing foil on panels
- Fan air filter
- Set of wall brackets



CORRECTION FACTOR FOR DIFFERENT INLET AND OUTLET TEMPERATURES

Formula for calculating of the temperature difference: $\Delta t = (t_1 + t_2)/2 - t_i$

Δt - temperature difference

t_1 - inlet temperature

t_2 - outlet temperature

t_i - room temperature

coefficient for the Δt is multiplied by the power of the convector when Δt 50K (75/65/20).

$\Delta t(K)$	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
kt	0.33	0.34	0.36	0.38	0.40	0.42	0.44	0.46	0.48	0.50	0.52	0.55	0.57	0.58	0.60	0.62	0.65	0.67	0.69	0.71	0.73	0.75	0.78
$\Delta t(K)$	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60			
kt	0.80	0.82	0.84	0.86	0.89	0.91	0.93	0.95	0.98	1.00	1.04	1.02	1.06	1.09	1.11	1.13	1.15	1.17	1.19	1.22			

ELECTRONIC CONTROL FOR FOKS EPIC (SEPARATE PRODUCTS!)

	Code	€	Max. controlled convectors***	Power output	Max. power input	Free position needed**
Power supply 24V DC + control unit MEU-2	ZM-15-DIN-2	35	1 6p.	15 W	0.7 A	6
	ZM-30-DIN-2	44	1-2 6p.	30 W	1,2 A	6
	ZM-60-DIN-2	57	1-4 6p.	60 W	2,5 A	6
Built-in electronics ALL-IN1 EPIC	ALL-IN1 EPIC	101	Factory BUILT-IN set of power supply + control unit MEU-2 + programmable thermostat			

* ALL-IN1 EPIC electronics set is intended only for FOKS EPIC convectors. It's factory built-in set of power supply, control unit MEU-2 and room thermostat.

** Free space necessary for installation of power supply and control module MEU-2

*** means all convectors installed in ONE room and operated by ONE room thermostat

POWER SUPPLY DIN

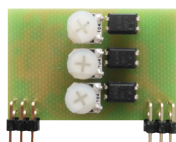


POWER SUPPLY FOR ALL-IN1 EPIC



MEU-2

- Additional speed control unit MEU-2
- Powered by 24V DC
- For installation inside the convector



Junction terminal TP-1

- factory built-in (included in the price of convector)
- allows links with other additional control elements



ROOM THERMOSTATS

	€	Code
Manual thermostat FOKS, LCD - 24V dc	40	MTF806-D
Programmable t-stat FOKS - 24V dc	66	MTF03DC-W/B
Remote control	15	RF01

MTF806-D



MTF03DC-W



MTF03DC-B



RF01



INSTALLATION ELEMENTS

	€	Code
Axial thermostatic valve 1/2"	13	F300
90° shut-off valve	10	F200
El.actuator HERZ 24V	46	F103

F300



F200



F103



4 PARTS OF SYSTEM FOR FAN SPEED CONTROL

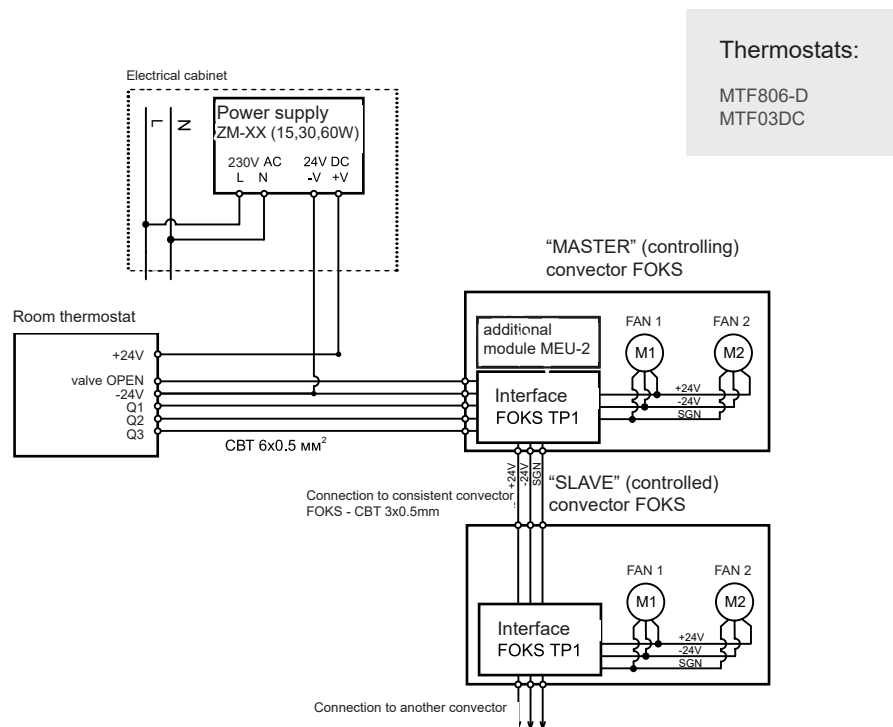
1. Room thermostat is checking the room temperature
2. Electronic Module MEU - determine the speed of fans
3. Power supply ZM-DIN 220V AC/24V DC - for room thermostat and fans
4. Fan powered convector with built-in multifunctional connection interface

Electronic module MEU

Convectors FOKS are equipped with new generation fans. 3-phase motors are powered by safe voltage 24V DC and their RPM is controlled by additional signal produced by electronic Module MEU according to the information provided by thermostat.

SYSTEM WITH THERMOSTAT WITH PRE-SET 3-SPEED CONTROL AND ONE MEU-2 SPEED CONTROLLER - MOST COMMONLY USED

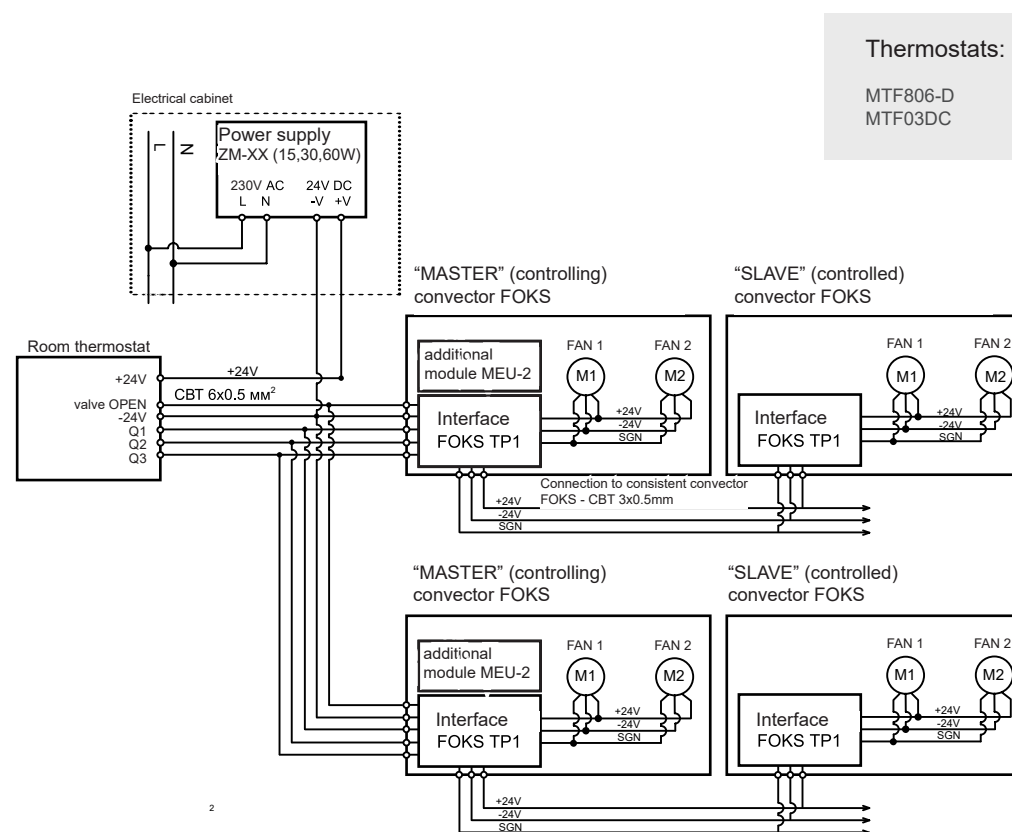
System with "MASTER" (controlling) and "SLAVE" (controlled) convectors. Additional unit MEU-2 is installed in the first convector in chain ("MASTER"). MASTER is determining speed of fans of all other convectors ("SLAVE") in the chain.



SYSTEM WITH 1 THERMOSTAT, 24V POWER SUPPLY WITH PRE-SET 3-SPEED CONTROL AND 2 OR MORE MEU-2 SPEED CONTROLLERS

In this system there are several "MASTER" convectors with their "SLAVE" convectors, all controlled by only one room thermostat. Quantity of convectors is limited only by their total input capacity (see section "How to choose the right Power supply, p.30"). Additional module MEU-2 can be connected to any convector in the chain. Such a convector with installed MEU-2 become "MASTER" and all the convectors connected behind become "SLAVE". This will result in independent chain with separately controlled fans. All these chains can be powered by one (sufficient) or more power supply.

This scheme is eligible for system with more convectors (10 or more) controlled by one thermostat or by BMS and for systems with different models of convectors in one chain (FPKV together with FPKV-HC)..



GENERAL INFORMATION

PRICES

Prices mentioned in this price list are in Euro exclude VAT. Fidoks Bulgaria Ltd. reserves the right to make a changes in above mentioned prices without preliminary notice according to the major global changes in currency rate.

DELIVERY TERM

Delivery time is clearly stated in the order confirmation. Delivery time depends on quantity, modifications and variability of dimensions in the order. "Usual" delivery time means 10-20 working days.

TRANSPORT

Unless other conditions were agreed prices are without any transport taxes included. Fidoks Bulgaria Ltd. is not responsible for any damage occurred during the transport or caused by forwarder due to the careless handling.

TERMS OF WARRANTY

Every product FOKS comes with 12 month of full warranty. Heat exchangers FOKS OT are with prolonged 5 years warranty period. Warranty period starts in the moment of expedition from Fidoks Bulgaria Ltd. production facility. Complete text of warranty terms can be found at www.fidoks.bg.

FIDOKS
HEATING AND COOLING

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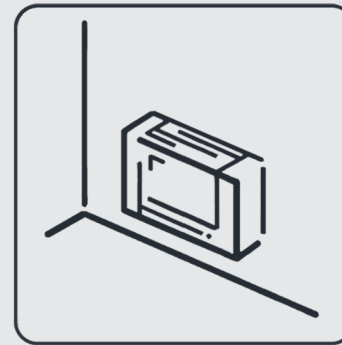
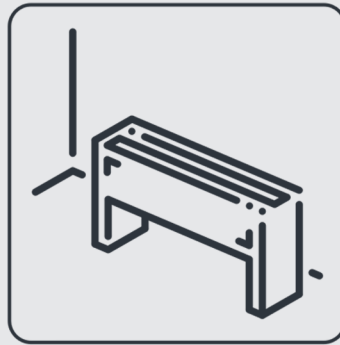
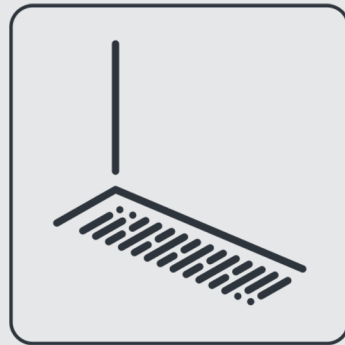
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