

[www.vigotr.com](http://www.vigotr.com)

# HEATING INNOVATIONS

vigo®



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## About us

Mastaş Inc. was established in 1976 in Bursa Organized Industrial Zone in order to produce hydraulic&eccentric presses and special welding machines for the automotive supply industry and engage in the mass production of sheet metal parts and sheet metal moulds for the automotive industry. It currently continues its operations in two separate factories of 10.000 m<sup>2</sup> and 3.000 m<sup>2</sup>, producing radiators and electric heaters in Nilüfer Organized Industrial Zone. Mastaş presents its large product portfolio which is composed of panel radiators of various types, water and electric towel radiators, electric convector heaters, plate heat exchangers and valves to its customers through its large dealer network.



Since 1976

## Our History

- 1976 Operations started in a workshop of 120 m<sup>2</sup>.
- 1976-1986 worked as a supplier in the automotive sector for companies such as Anadolu Isuzu and Tofaş-Fiat.
- 1986 The first Sectional Steel Radiator was manufactured in Bursa.
- 1989 The production of Sectional Electric Oil Radiators was started.
- 1993 The first Panel Radiator was produced in Bursa.
- 1993 The first Panel Radiator was exported from Bursa.
- 1994 Transformer Radiator production was started.
- 1996 A new factory of 10.000 m<sup>2</sup> has established.
- 2003 ISO 9001 certificate was received.
- 2003 The first Plate Heat Exchanger production in Turkey was started.
- 2004 The first Plate Heat Exchanger design certificate in Turkey was received.
- 2007 A fully automated painting facility was constructed. The annual panel radiator production capacity reached 1.000.000 m.
- 2009 The first Electronically Controlled Towel Radiator and Electric Panel Convector in Turkey were produced and introduced into the domestic and international markets
- 2010 The first electric heaters were exported to Bosnia Herzegovina, Azerbaijan, Russia and Turkmenistan.
- 2012 The third radiator welding line was put into operation.
- 2012 Electric Convector Heater was awarded a prize by Bursa Chamber of Trade and Industry in the category of first product export from Bursa.
- 2013 The world's first electric underdesk turbo foot warmer has introduced to the domestic market.
- 2013 250 watt Foot Heater resistance to the heavy weight has introduced into the domestic market.
- 2013 Korus, new design of Mastaş decorative radiators has been firstly produced.



## CONVECTOR HEATERS

### How does it work?

The heat outlet on the front panel is designed to direct heat towards the centre of the room. This reduces the possibility of dust collection above the heater..

#### Heating Element

X-shaped heating element is made of surface-treated aluminium. This special design gives an expanded surface area and a unique heat distribution, reducing the surface temperature. When cold air at floor level comes into contact with the X-shaped heating element, it becomes warm. The combination of low element surface temperature helps create a cleaner indoor environment.

#### Timer

Electronic timer allows you to turn your heater on to warm up your room with a predefined period of up to 8 hours or to turn your heater off with a predefined period of up to 48 hours. Memory back up in the electronic timer will automatically resume operation when power is restored after a power failure.

#### Design your own heater

*Vigo heaters offers different colour and model choices. Visit our website [www.vigo.tr.com](http://www.vigo.tr.com) for model choices.*

#### Safety Features

Vigo heaters have two safety circuit. Electronic thermostat within Vigo convector heaters disconnects the power to the heater if an object, such as clothing accidentally falls on the heater body causing over-heating. When the covering object is removed the heater will commence operating automatically again. Manual models have a built-in tilt switch which turns the circuit off if the heater overturns. Both models have mechanical limit thermostats to control over-heating

#### Energy consumption indicator

Integrated to the electronic thermostat a revolutionising four level energy consumption indicator is on the front panel of the heater. When the room temperature reaches the desired setting the electronic unit gradually reduces the power and this can be visualised on the display by the energy consumption indicator leds. Thereby the user can monitor the energy consumption and the room temperature by ease. If the room temperature decreases by a reason (including openings doors and windows) energy consumption shall increase in moments and this change shall be notified instantly to the user through the energy consumption indicator display.

#### Asthma Friendly Heating

Low element surface temperature within Vigo heaters have virtually eliminated the problems of dust burn which can create unpleasant odours, especially for those suffering from allergies and asthma.

#### Variety Mounting options

Vigo heaters offers a variety of mounting options. Free standing, wall mounting and fixed legs. Wall mounting accessories and plastic legs are included in packaging. Fixed legs are optional.

#### Electronic Thermostat

Vigo heaters electronic thermostat accurate to  $\pm 0.1^{\circ}\text{C}$  to maintain a very stable room temperature. Once the temperature reached to the desired setting, energy consumption, gradually drops and stops if necessary.

#### Child Safety Lock

Vigo heaters have a child safety lock that prevents accidental operation by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge.

It is easy and simple. If you keep pressing the turn on timer adjustment button for a short period (about 2-3 seconds) while your device is operating, the word "LO"-short for LOCK-appears on the screen. Buttons on the control panel will not work if pushed after you make this setting. In order to re-operate the panel convector buttons, you again have to press the turn on timer adjustment button for a short period and the word "UL"-short for UNLOCK-will appear on the screen and the buttons will be ready for general use.

Live the comfort of genuine electronic control Vigo heaters...





# CONVECTOR HEATER

Hot Air



## Electric Panel Convector Heater Model Selection

Model	Recommended Heater Power (watt)	Room Area (m2)
EPK 4550 E05/M05	500	3 - 6
EPK 4570 E10/M10	1000	6 - 12
EPK 4570 E15/M15	1500	9-17
EPK 4590 E20/M20	2000	12 - 24
EPK 4590 E25/M25	2500	14-28

## TECHNICAL SPECIFICATIONS

Type	Digital Convector					Manual Convector				
	EPK4550E05	EPK4570E10	EPK4570E15	EPK4590E20	EPK4590E25	EPK4550M05	EPK4570M10	EPK4570M15	EPK4590M20	EPK4590M25
Height	mm	450	450	450	450	450	450	450	450	450
Length	mm	500	700	700	900	900	500	700	700	900
Depth	mm	80	80	80	80	80	80	80	80	80
Weight	kg	5.3	6.8	7.1	8.8	9.2	5.3	6.9	7.2	9
Electrical Power	W	500	1000	1400-1600	2000	2500	500	1000	1400-1600	2000
Voltage	V	220-240	220-240	220-240	220-240	220-240	220-240	220-240	220-240	220-240
Current	A	2.3	4.5	6.5	9	10.9	2.3	4.5	6.5	9
Frequency	Hz	50-60	50-60	50-60	50-60	50-60	50-60	50-60	50-60	50-60
Electronic Room Temperature	Var	Var	Disponible	Var	Var	-	-	-	-	-
Energy Saving Module (Programmable)	Var	Var	Disponible	Var	Var	-	-	-	-	-
On / Off Switch	Disponible	Disponible	Disponible	Disponible	Disponible	Disponible	Disponible	Disponible	Disponible	Disponible
Cord Length	m	2	2	2	2	2	2	2	2	2
Protection Type	I	I	I	I	I	I	I	I	I	I
Protection Against Water Spill (IP)	IP 24	IP 24	IP 24	IP 24	IP 24	IP 24	IP 24	IP 24	IP 24	IP 24
Thermostat Against Excessive Heat	Disponible	Disponible	Disponible	Disponible	Disponible	Disponible	Disponible	Disponible	Disponible	Disponible
Mechanical Thermostat Control	-	-	-	-	-	Disponible	Disponible	Disponible	Disponible	Disponible
Energy Consumption Display	Disponible	Disponible	Disponible	Disponible	Disponible	-	-	-	-	-
Room Temperature Display	Disponible	Disponible	Disponible	Disponible	Disponible	-	-	-	-	-
Color Choices (X)	White (B), Green (Y), Pink (P), Inoks (I), Wood Style (A), Gofrato (G), Black-Glass (C)	White (B), Green (Y), Pink (P), Inoks (I), Wood Style (A), Gofrato (G), Black-Glass (C)	White (B), Green (Y), Pink (P), Inoks (I), Wood Style (A), Gofrato (G), Black-Glass (C)	White (B), Green (Y), Pink (P), Inoks (I), Wood Style (A), Gofrato (G), Black-Glass (C)	White (B), Green (Y), Pink (P), Inoks (I), Wood Style (A), Gofrato (G), Black-Glass (C)	White (B)	White (B), Wood Style (A)	White (B)	White (B), Wood Style (A)	White (B)

Not: UK Plug option - contact customer department



The heat requirement depends on factors such as the exterior temperature room heat isolation, door open/close cycles . The values stated on the above table are for average conditions therefore when calculating the heater power these factors should be taken into consideration.



The 3-year warranty covers the heating element and the electrical components. The other components are under a 2 year warranty.

**Elegant Design**  
with the high performance  
heating technology



**Black-Star**

**vigo**<sup>®</sup>



Wood Style

vigo®



## Benefits of electric heating

Electric heating has a number of generic benefits over other fuels. Electric heating is very easy to install, ensuring installation costs are kept to a minimum. It doesn't require any pipe-work, simply a connection to the electrical circuit[s], so it can frequently be installed in a matter of minutes. The versatility of electric heating can also be a major advantage for home extensions where the existing system may have insufficient capacity to heat extra radiators.

As a fuel source electricity is available right across the country and is also ideal in sensitive areas or in listed buildings where structural alterations are difficult. Only electric heating gives such freedom of design. Whatever type of heating you specify; safety is always an important consideration. Because electric heaters do not burn fuel internally to generate heat, there are none of the associated safety risks, such as carbon monoxide poisoning or explosions. And as there are no radiators to leak or burst, there is less risk of damage to completed properties, which can be a major concern if properties are empty for a period of time, especially over the winter months.

Electric heaters are 100% efficient at the point of use, meaning all the electricity used is converted directly into heat, unlike boiler-based systems where energy is wasted through the flue. They are also complement in closed loop heating system which alone often lacks the necessary heat output to warm your room completely. And convector heaters are one of the best choice among electric heaters.





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Vigo convector heaters are approved and certified according to EN60335 and carry the CE mark. Our top priority is customer satisfaction. That is why each Vigo heater is carefully made to bring you comfort, efficiency and safety.



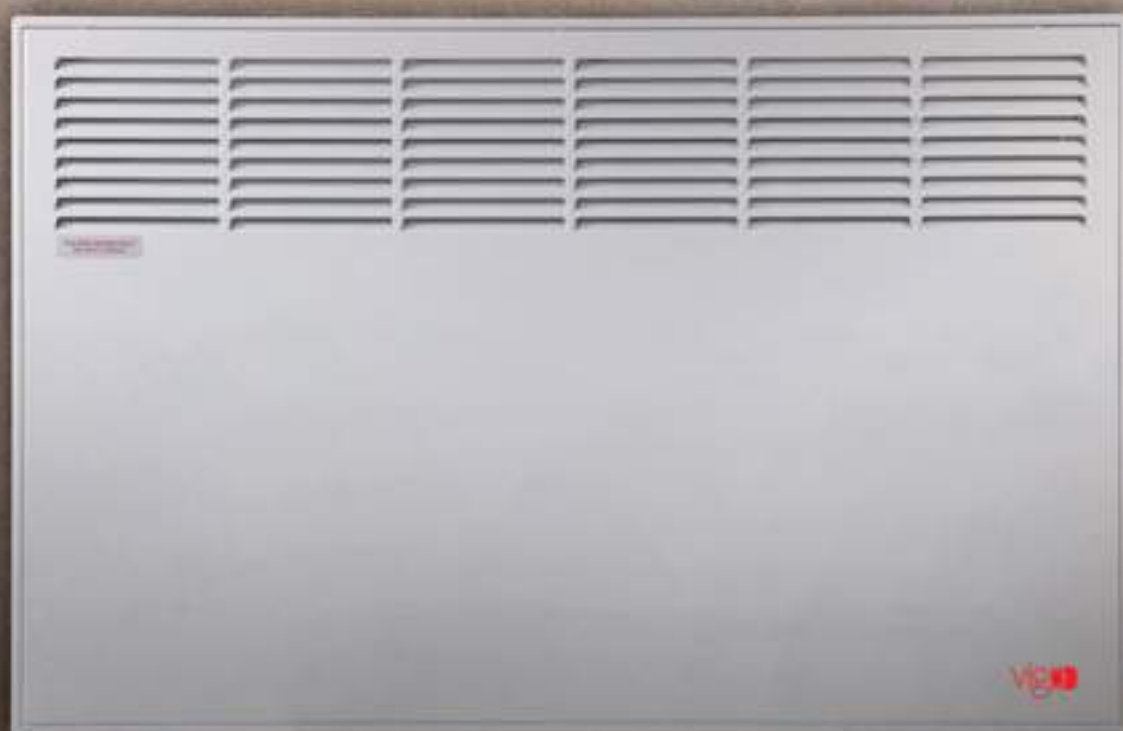


Kiddy

vigo®



# Manual Electric Convactor Heater



Manual Control

Easy Usage



**Gofrato**



**Floor Mounted**





Everywhere  
You Get Warm



TOWEL WARMER



Vigo electric towel warmers are ideal where space is limited





## TOWEL WARMER

Vigo electric towel warmers are ideal for any bathroom and kitchen with its functionality and elegant design. They are self-contained electric units that are independent of the central heating system and provide four- season usage. Towel radiators provide an attractive means to also heat kitchens, laundry rooms, foyers, spas, saunas, pool rooms, hot tub areas, and virtually any room where comfort is paramount and space is limited. If you need to wrap yourself in the luxury of a warm towel, Vigo is the answer.

### **Heating and Drying**

Vigo towel warmer with it's stylish design warms your towels completely like they came out of the clothes dryer. It also reduce the growth of mould and mildew and keep towels fresh between laundering.

### **For renovation jobs**

They are great alternatives or replacements for hot water towel warmers ,bulky cast iron radiators or fin-tube baseboard. They also complement in-floor heating which alone often lacks the necessary heat output to warm the bathroom completely.

### **Simple setting**

Vigo heaters have an easy control unit .Available in two levels of control button ,high and low. Low level of use enables low energy consumption. The various ways to control your heater makes Vigo heaters a first class bathroom heater.

### **Easy installation**

The total cost of a heating system includes the heater plus the cost of installation. Installation costs are virtually non-existent, since most people can install these heaters in less than twenty minutes using the supplied installation kit.





# TOWEL HEATER

## Electric Towel Radiator Model Selection

Model	Power (Watt)	Room Area (m2)
EHR 5012	275	2-3
EHR 5015	350	2-4
EHR 5019	450	3-5
EHR 5023	600	4-7
EHR 5033	800	5-10

Technical features for white and inox colours.

### TECHNICAL SPECIFICATIONS

TYPE	WIDTH (mm)	LENGTH (mm)	POWER (Watt)	WEIGHT (kg)
EHR 5012	500	650	275	8
EHR 5015	500	800	350	9,8
EHR 5019	500	1000	450	12
EHR 5023	500	1250	600	15
EHR 5033	500	1250	800	19

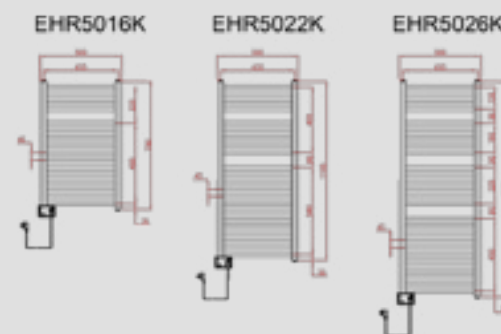
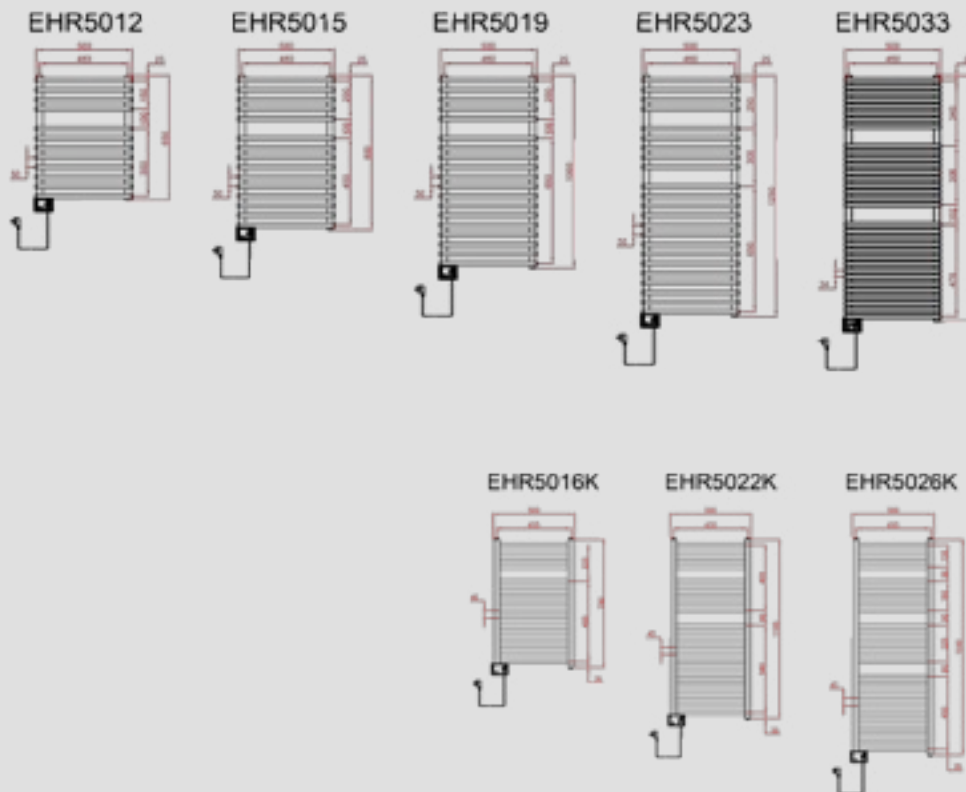
Direct voltage: 220-240 Volt, 50-60 Hz.

Technical features for chromated models.

### TECHNICAL SPECIFICATIONS

TYPE (Straight/Curved)	WIDTH (mm)	LENGTH (mm)	POWER (Watt)	WEIGHT (kg)
EHR 5016K	500	790	275	10,5
EHR 5022K	500	1105	350	12,3
EHR 5026K	500	1330	450	16

Direct voltage: 220-240 Volt, 50-60 Hz.





Chromated



**Charming Colours**





Touch and let it be....



<b>Model</b>	EMI 750	<b>Dimensions</b>	440 x 540 x 140 mm
<b>Power</b>	750 watt	<b>Net Weight</b>	5.87 kg
<b>Voltage</b>	220 V, 50 Hz	<b>Brut Weight</b>	6.25 kg

750 watt  
Remote Control



### **Vigo Turbo Foot Heater**

Vigo Turbo underdesk & foot heater offers a comfort solution for instant heating need. It starts automatically when you touch and shuts down 30 minutes later when it is not used. It has a remote control unit and a control button to select desired heating level.

Vigo Turbo underdesk & foot heater not only heats up your feet, it also heats up your legs and lower body with its powerful fan. It allows continuous heating with its turbo timer mode.

### **Product Features**

- Turbo fan function
- Automatic shut-down
- Remote control
- Touch sensor on top surface
- Provides direct warmth to cold feet
- Energy saving mode with electronic control feature
- Three safety circuits (Excessive Heat Control Thermostat, Electronic Heat Control, Tilt Switch)
- Made of water and humid resistant material
- Sound output for notifications
- High heat power, low surface temperature (max. 60 °C)
- Four levels of power selection. Onboard button for remoteless operation
- Makes no noise
- Makes no odor
- Suitable for offices and homes
- 2 year warranty





You never get cold  
if you have a  
Vigo foot heater!

250 watt  
Remote Control

<b>Model</b>	ELA 250	<b>Dimensions</b>	500 x 700 x 40 mm
<b>Power</b>	250 watt	<b>Net Weight</b>	7.36 kg
<b>Voltage</b>	220 V, 50 Hz	<b>Brut Weight</b>	7.58 kg

ISO9001:2008 EN 60335-1:2012 , EN-60335-2-81:2003

FOOT HEATER





### **Vigo Foot Heater**

Vigo foot heater can be used at indoors and outdoors. It has surface temperature stabilizing feature that allows efficient use at outdoor conditions. You can stand and move comfortably on wide, aluminium surface area. It starts automatically when you touch and shuts down 60 minutes later when it is not used.

### **Product Features**

Vigo foot heater has a remote control unit and an onboard control button to select desired heating level. Low, High, Timer Mode. Appropriate for continuous heating with timer mode up to eight hours.

Vigo foot heater has a wide and durable aluminium surface. It has touch sensor feature on the surface for energy efficiency. Aluminium surface enables fast heating in a short term.



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