

 **MAKTEK**<sup>®</sup>  
Technology For Comfort



GAS



ELECTRICITY



WOOD, PELLETT, COAL



## Classic Standart Panel Radiator

- Standart side connection panel radiator with 4 connections
- DIN EN 10130 DC 01 quality cold rolled panel and convector sheet
- 33.3 mm pitch water channel
- Produced in fully automated LEAS production line
- RAL 9010 powder coating
- Height 300 mm - 400 mm - 500 mm - 600 mm - 900 mm
- Model: TYPE 10-11-20-21-22-33
- Length: 400 mm up to 3000 mm
- 4 x G 1/2" Connection
- Includes wall fixings, wall plugs, blanking and bleed plug
- L console included
- 10 years guarantee
- CE certified



## Ventil Compact Panel Radiator

- Standart bottom connection panel radiator with 6 connection VK
- Connection on side bottom or middle bottom
- 33.3 mm pitch water channel
- Produced in full automated LEAS production line
- Height 300 mm - 400 mm - 500 mm - 600 mm - 900 mm
- Model: TYPE 10-11-20-21-22-33
- Length: From 400 mm up to 3000 mm
- 6 x G1/2" Connection
- C console and installation kit included
- Includes wall fixings, wall plugs, blanking and bleed plug
- Produced without brackets for easy installation
- 10 years guarantee
- CE certified



## Vertical Panel Radiator

- Produced in full automated LEAS production line
- Available widths: 300 mm / 400 mm / 500 mm / 600 mm
- Height : 1800 mm ( other sizes are also available)
- Classical front panel or flat front panel options
- Model: TYPE 10-11-20-21-22-33
- Includes wall fixings, wall plugs, blanking and bleed plug
- Supplied ready to install
- L or C consoles are included
- High quality powder coated finish
- Available as bottom connection
- 10 years guarantee



## Slim Panel Radiator

- Special slim design with only 6,5 cm width for TYPE 22
- Produced in full automated LEAS production line
- Height 300 mm - 400 mm - 500 mm - 600 mm - 900 mm
- Model: TYPE 22
- Length: From 400 mm up to 3000 mm
- Available as bottom connection
- High quality powder coated finish
- Includes wall fixings, wall plugs, blanking and bleed plug
- Supplied ready to install
- L or C consoles are included
- 10 years guarantee



## Flat Panel Radiator

- Produced in full automated LEAS production line
- Height 300 mm - 400 mm - 500 mm - 600 mm - 900 mm
- 33.3 mm pitch water channel
- Standart flat or flat line option
- Model: TYPE 10-11-20-21-22-33
- Length: From 400 mm up to 3000 mm
- Available as bottom connection
- 10 years guarantee
- CE certified

## Towel Radiator

- Available as white and chrome coating
- High quality painting and coating
- Flat or oval rails
- Brackets and plug included
- Resistant to corrosion
- 5 years guarantee

TECHNICAL FEATURES	TYPE	HEIGHT	AXIS DISTANCE	PANEL WIDTH	CONVECTOR HEIGHT	WATER VOLUME	MIN-MAX LENGHT
		H (mm)	A (mm)	K (mm)	B (mm)	lt/mt	L (mm)
	11 - PK	400	345	62	280	2,00	400 - 3000
		500	440	62	380	2,40	400 - 3000
		600	545	62	480	2,93	400 - 3000
		900	845	62	760	4,40	400 - 3000
	21 - PKP	400	345	98	280	4,00	400 - 3000
		500	440	98	380	4,80	400 - 3000
		600	545	98	480	5,95	400 - 3000
		900	845	98	760	8,80	400 - 3000
	22 - PKKP	400	345	98	280	4,00	400 - 3000
		500	440	98	380	4,80	400 - 3000
		600	545	98	480	5,95	400 - 3000
		900	845	98	760	8,80	400 - 3000
	33 - PKKPKP	400	345	148	280	6,00	400 - 3000
		500	440	148	380	7,20	400 - 3000
		600	545	148	480	8,78	400 - 3000
		900	845	148	760	13,20	400 - 3000

## ACCESSORIES

\*L or C consoles are available with each Maktek panel radiator. All valves are sold separately.



Standart Valve



Insert Valve



Thermostatic Valve



Console

# DOMESTIC HEATING

## HEATING WITH GAS WALL MOUNTED GAS BOILERS



### Epsilon LCD

Conventional Gas Boiler

- Outputs 24 kw up to 58 kw
- Works with NG or LPG
- Microprocessor control board
- Multiple safety systems
- Practical control
- CE certified up to 40 kw output

### Epsilon ECO

Condensing Gas Boiler

- Outputs 24 kw and 30 kw
- 103% efficiency
- Smart condensing technology
- A class heating and DHW
- Microprocessor control board
- Multiple safety systems
- Practical control
- CE certified

## FLOOR STANDING GAS & OIL BOILERS



### MK Steel Compact Boiler

- Outputs from 20.000 kcal/h up to 35.000 kcal/h
- Compact unit with burner and pump included
- Optional DHW function
- Thick glass wool isolation
- Maximum performance thanks to cylindrical surface and insulated body
- Can operate with oil or gas

### MK Steel Boiler

Central Heating Boiler

- Outputs from 45.000 kcal/h up to 500.000 kcal/h
- Ideal for all kinds of high capacity heating requirements
- Safe operation system
- Heat loss is minimum thanks to special design
- Easy detachable outer cover
- Can operate with oil or gas



### 3 MK Steel Boiler

3 Pass Central Heating Boiler

- Outputs from 315.000 kcal/h up to 800.000 kcal/h
- Ideal for all kinds of high capacity heating requirements
- Control panel is standart
- Minimum flue gas emission level
- Three pass design
- Easy installation and maintenance
- Can operate with oil or gas



## Omega LCD Electric Heating Boiler

- Perfect heating for areas with no access to gas main
- Works only with electricity
- Heating outputs from 6 kw up to 100 kw
- 220 V connection is available for 6-10-12 kw
- Outputs larger than 12 kw require 380 V
- Instant DHW output from 5 lt up to 13 lt/ minute
- Can be produced with heating only function (Optional)
- Can be used together with hot water tank (Optional)
- Full automatic modulation
- Built in weekly timer
- Suitable for underfloor heating
- Adjustable maximum boiler output
- Multiple safety system
- LCD screen with enhanced menu
- CE certified
- Electricity as fuel for heating has no emissions and it is 100% environment friendly
- There is no heat loss in electric heating. Unlike combustion systems with fossil fuels, there is no chimney therefore no heat loss from the chimney with hot fumes
- With full automatic modulation, heating capacity of the boiler is adjusted according to the heating demand, ensuring maximum energy savings during operation
- Mainboard with microprocessor and a large LCD screen enables enhanced control parameters and easy operation for the end user
- Due to its quiet operation and lack of connections like chimneys, it can be mounted in living areas easily
- Provides hot water for showers, sinks and baths in constant temperature at set value even with variable flow rates with the help of electronic water flow sensor
- Automatic frost protection system
- Protection against high pressures with 3 bar safety valve
- Water pressure transducer shows system water pressure on the LCD screen also providing protection for low and high pressures
- Float water level sensor ensures the main heat exchanger is full and protect the heating elements from operating without water
- RCD (short circuit relay) provides electrical protection and safe operation

## Electric Panel Radiator

- Easy installation without
- Heating outputs from 0,5 kw up to 2,6 kw
- Classical or flat front panel options
- Provides healthy and homogenous heating
- Practical control knob to adjust temperature
- Mounted on the wall with C consoles
- Low surface temperature
- Durable and safe
- CE certified

TECHNICAL SPECS	MODEL	DOUBLE				
	TYPE	6060	6080	6100	6120	6140
CAPACITY	Kcal/h	860	1204	1548	1892	2236
POWER	Kw	1,0	1,4	1,8	2,2	2,6
HEATING SETTING (MIN/MAX)	± 5 °C	0/80	0/80	0/80	0/80	0/80
WEIGHT	Kg	20,5	26,8	33,2	40	46
<b>&gt;&gt; DIMENSIONS</b>						
HEIGHT	mm	600	600	600	600	600
LENGTH	mm	600	800	1000	1200	1400
WIDTH	mm	98	98	98	98	98
<b>&gt;&gt; ELECTRICITY</b>						
CABLE CONNECTION	piece/mm <sup>2</sup>	3x2,5	3x2,5	3x2,5	3x2,5	3x2,5
VOLTAGE/FREQUENCY	V-/Hz	230/50	230/50	230/50	230/50	230/50
ELECTRIC ISOLATION LEVEL	IP	X4D	X4D	X4D	X4D	X4D
RESISTANCE CAPACITY	piece/watt	2X500	2X700	2X900	2X1100	2X1300

TECHNICAL SPECS	MODEL	SINGLE				
	TİP	6060	6080	6100	6120	6140
CAPACITY	Kcal/h	430	602	774	946	1118
POWER	Kw	0,5	0,7	0,9	1,1	1,3
HEATING SETTING (MIN/MAX)	± 5 °C	0/80	0/80	0/80	0/80	0/80
WEIGHT	Kg	13,8	18,2	22,7	27,2	31,5
<b>&gt;&gt; DIMENSIONS</b>						
HEIGHT	mm	600	600	600	600	600
LENGTH	mm	600	800	1000	1200	1400
WIDTH	mm	68	68	68	68	68
<b>&gt;&gt; ELECTRICITY</b>						
CABLE CONNECTION	piece/mm <sup>2</sup>		3x2,5	3x2,5	3x2,5	3x2,5
VOLTAGE/FREQUENCY	V-/Hz	230/50	230/50	230/50	230/50	230/50
ELECTRIC ISOLATION LEVEL	IP	X4D	X4D	X4D	X4D	X4D
RESISTANCE CAPACITY	piece/watt	1X500	1X700	1X1000	1X1200	1X1300

# DOMESTIC HEATING

## HEATING WITH SOLID FUEL (WOOD, PELLET, COAL)



### MKK Solid Fuel Boiler

- Manual fuel feeding, digital control
- Works with all kinds of solid fuel
- Heating outputs from 18.000 kcal/h up to 400.000 kcal/h
- Suitable for closed systems
- Automatic anti blocking function
- Speed adjustable fan
- Semi cylindrical and smoke tubular interior design
- Easy ash disposal
- Auto switch off function
- Multiple safety systems
- CE certified



### MKK-S Automatic Solid Fuel Boiler

- Automatic fuel feeding, digital control
- Heating outputs from 25.000 kcal/h up to 250.000 kcal/h
- Works with coal up to 20 mm diameter
- Suitable for closed systems
- Large capacity fuel tank
- Optional DHW function
- Cast combustion chamber
- Easy ash disposal
- Auto switch off function
- Multiple safety systems
- CE certified



### MKB-D Double Fuel Boiler

- Works both with wood and coal or wood and pellet
- Automatic fuel feeding for coal or pellet, manual loading for wood log
- Heating outputs from 25.000 kcal/h up to 60.000 kcal/h
- Works with coal up to 20 mm diameter
- Suitable for closed systems
- Large capacity fuel tank
- Glass wool insulation
- Four pass burning chamber provides maximum efficiency
- Cast combustion chamber
- Easy ash disposal
- Auto switch off function
- Multiple safety systems
- CE certified



### MKB Four Pass Solid Fuel Boiler

- Manual fuel feeding, digital control
- Works with all kinds of solid fuel
- Heating outputs from 18.000 kcal/h up to 60.000 kcal/h
- Four pass smoke duct interior design provides maximum efficiency from
- Suitable for closed systems the fuel
- Automatic anti blocking function
- Speed adjustable fan
- Ergonomic design of loading, cleaning and discharge flaps
- Easy ash disposal
- Auto switch off function
- Multiple safety systems
- CE certified

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## MKB-S Four Pass Automatic Solid Fuel Boiler

- Automatic fuel feeding, digital control
- Heating outputs from 25.000 kcal/h up to 60.000 kcal/h
- Four pass combustion chamber design uses the heat from the fuel at the highest level
- Works with coal up to 20 mm diameter
- Suitable for closed systems
- Glass wool isolation
- Large capacity fuel tank
- Cast combustion chamber
- Easy ash disposal
- Auto switch off function
- Multiple safety systems
- CE certified
- Ability to monitor loading and waiting times from the electronic control panel by adjusting from the digital display
- The corrosions that occur as a result of heating are kept at minimum level thanks to cast combustion chamber
- Provides a very high efficiency with extremely quiet operation speed controlled flapped fan
- Ash is poured into the ash drawer, thanks to automatic loading feature
- When the fuel in the boiler is completely exhausted and the system temprature drops below 25 degrees, the unit switches itself off automatically and prevents unnecessary working of fan, pump and loading engine
- Economical and efficient combustion settings with chimney flap
- Uses the acquired heat from the fuel at the highest level by four pass combustion chamber design, boiler efficiency increases
- Diminishing flame is prevented since fuel loading is made from the bottom with helezone

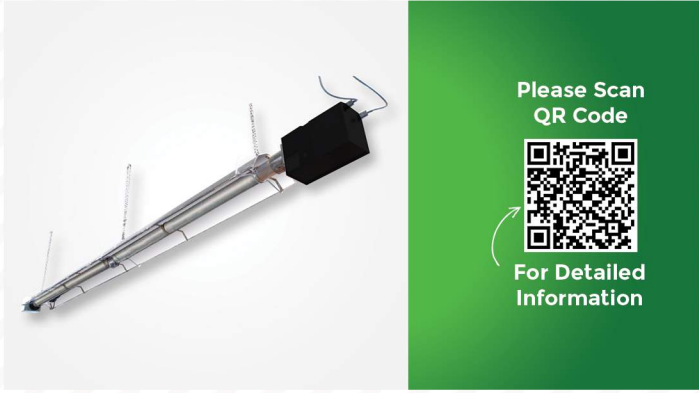
## Makpell Pellet Boiler

- Complete unit with pellet tank, pump, pellet feeding motor, waste gas fan, expansion tank
- Class 5 according to EN 303-5 norms
- Heating outputs 25 kw and 35 kw
- Automatic ignition
- Special cylindrical combustion chamber design
- A+ energy efficiency class and over 124 Energy Efficiency Index
- Practical control from LCD screen
- Multiple safety systems
- 310 quality chrome combustion chamber
- Easy ash disposal
- CE certified

### TECHNICAL SPECIFICATIONS

		MakPell 25	MakPell 35
Heating Power	kcal/h	21500	30100
Weight	kg	215	235
Length	mm	550	550
Width	mm	910	1000
Height	mm	1285	1285
Chimney Pipe Diameter	mm	80	80
Pellet Tank Capacity	kg	40	55
Max Power Ignition	W	455	455
Max Power Operation	W	155	155
Nominal Voltage/Frequency	V/Hz	220/50	220/50
Circulation Flow/Return	"	1"	1"
Loading	"	1/2"	1/2"
Pump Flow	lt/hour	0.8 - 3.5	0.8 - 3.5
Pump Operation Height	m	1 - 7.7	1 - 7.7
Max Flue Gas Temperature	°C	135	150
Boiler Water Volume	lt	50	60
Boiler Capacity (min-max)	kW	7,5 - 25	8,75 - 35
Fuel Consumption (min-max)	kg/h	1,2 - 4,9	1,7 - 6,9
Suggested Chimney Draft	Pa	-20	-20
Suggested Pellet Class		A1	A1
Energy Efficiency	%	92	92
Enerji Efficiency Index (EEI)		124,36	124
Enerji Efficiency Class		A+	A+
Boiler Class (EN 303-5)		5	5
Noise Level	dB	58	64

# NON DOMESTIC HEATING



## Radiant Heater I Type

- Ideal for the heating of factories, malls, sport center, warehouses etc
- Works with natural gas
- Heating outputs from 20 kw up to 55 kw
- Lengths from 6 meters up to 20 meters
- Surface temperature up to 350 C
- CE certified



## Radiant Heater U Type

- Ideal for homogenous heating of cafes, restaurants, winter gardens etc
- Works with natural gas
- Heating outputs from 20 kw up to 55 kw
- Lengths from 4 meters up to 10 meters
- Surface temperature up to 350 C
- CE certified



## Hot Air Blower

- Provides constant hot air to heat any kind of large indoor area
- Outputs from 35.000 kcal/h up to 150.000 kcal/h
- Provides hot and dry air for many industrial applications
- Works with natural gas, LPG or oil
- Easy installation, practical use

**MAKTEK®**  
Technology For Comfort

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