

*Discover*

THE HEATING  
YOUR POCKET

**WILL  
LOVE**



**Rointe**  
Heating solutions

[www.rointe.co.uk](http://www.rointe.co.uk)

# COMMITTED TO YOU *and your customers.*

COMPLETE  
HEATING SYSTEM

**1** UNDER  
SINGLE  
CONTROL

MEETS WITH  
**ALL**  
EFFICIENCY  
REGULATIONS

INSTALLATION  
**PLUG &  
PLAY**

**NO**  
MAINTENANCE\*

GUARANTEE  
UP TO  
**20** YEARS\*

Rointe, the electric Heating  
Company you can trust.



## ROINTE DIGITAL INTEGRAL SYSTEM

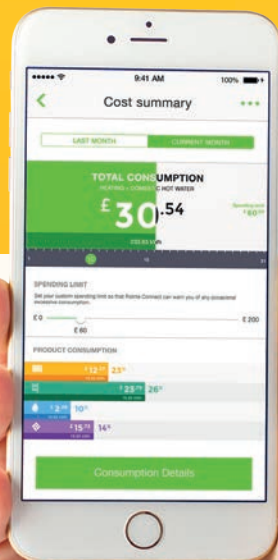
The efficient heating that you can control from any smartphone.

\* Check the maintenance & guarantee conditions on the Rointe Professional Brochure.



**NEW!**

**CHECK YOUR HEATING CONSUMPTION  
& COSTS SUMMARY FROM ANY  
SMARTPHONE, TABLET OR PC**



And to demonstrate what we say is true, you will be able to **check and control the consumption and the real time expense of your heating** with the CONSUMPTION SUMMARY. **You will even be able to set spending limits**, all from your mobile phone.

# D Series

Welcome to connected professional heating.

Discover the efficient, adaptive and intelligent comfort that **helps you save money.**

Rointe is not just another manufacturer of Wi-Fi heating devices. At Rointe, we have created the **INTEGRAL SYSTEM OF CONNECTED HEATING**, a heating system with integral home automation managed by the exclusive remote control platform of E-Life technology.



## HOW DOES IT WORK?

**Easy installation.** Direct connection.



**Unlike other systems, ROINTE CONNECTED HEATING SYSTEM products connect directly to your home router without the need to purchase other intermediate devices.** This allows for faster data transmission and eliminates any limitations on the number of connected devices in your installation. The Rointe system also does not require any special settings on your router.

## CONTROL

### Control where and when you want with the Rointe Connect App

The free Rointe Connect App allows you to control all the products in your system, either together or individually, and organize them by zone (e. g. floors of a house) and sub-zones (e. g. rooms), with no limit on the number of rooms or linked products.

#### Characteristics

- Total remote management.
- System control by means of installations, zones, sub-zones, products (e. g. home > floors > room > product).
- Total control of all product modes and functions.
- Customizable programming 24/7 per zone, sub-zone or product.
- Remote locking of products.
- Display of actual product consumption in kWh and your currency per day, month and year.
- Establishment of expenditure limits.
- Notifications and alerts.
- Advanced programming of zones and products.
- Contingency management.



**62%** EQUIVALENT  
RATIO OF  
NON CONSUMPTION

## ENERGY SAVING FEATURES

### Fuzzy Logic Energy Control, technology that takes care of your pocket.

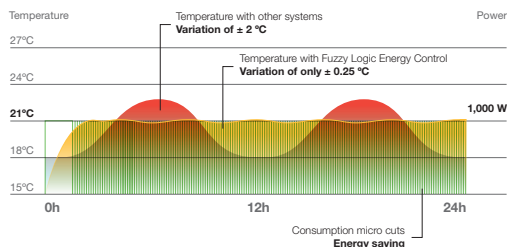
The D Series radiators & water heaters include Rointe's new patented energy optimisation technology, Fuzzy Logic Energy Control, which allows savings to be increased without reducing comfort.

**This technology improves the management of the energy needed to keep the temperature stable, analyzing thermal variations to transmit heat and well-being to the environment in the most efficient way.**

### Smart technology

Fuzzy Logic Energy Control is able to predict the amount of energy needed at any given moment until the room reaches the temperature set in the radiator.

Once the room has reached the temperature set in the radiator (in this case, 21°C), the Fuzzy Logic Energy Control technology generates micro cuts in the energy consumption of the resistance to keep the temperature stable with a thermal variation of only  $\pm 0.25^\circ\text{C}$ , as opposed to  $\pm 2^\circ\text{C}$  of other systems.



#### AVAILABLE FINISHES

White RAL 9016

Graphite

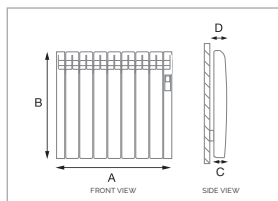
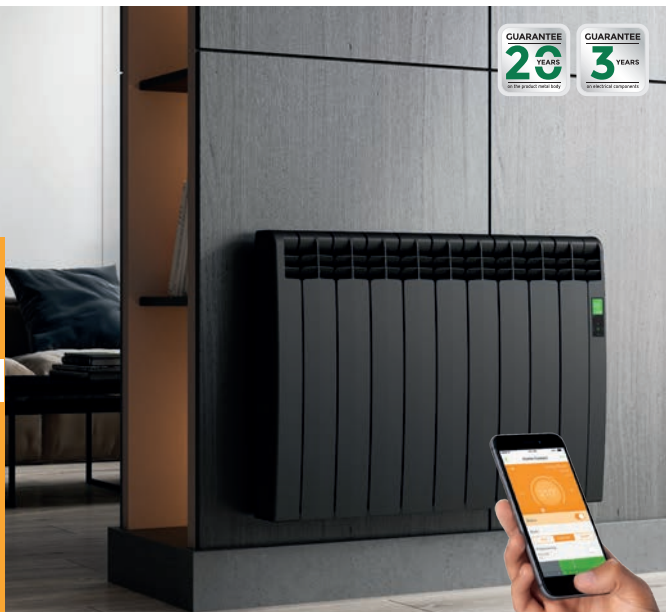
RAL colours\*\*

## D Series

LOW CONSUMPTION  
DIGITAL **CONNECTED**  
RADIATOR

GUARANTEE  
**20**  
YEARS  
on the product, more than 10 years

GUARANTEE  
**3**  
YEARS  
on the product, more than 10 years







- Armoured steel heating element
- High purity aluminium body
- Special heat transfer fluid
- Control panel with touchpad
- Customizable TFT color display
- Energy-saving functions
- "Rointe Connect" Mobile Control App
- Programmable 24/7
- Fuzzy Logic Energy Control
- Home automation technology
- Built-in Wi-Fi module
- Remote consumption control
- Template and installation kit
- Up to 20 years guarantee

MODEL	WHITE	DIW0330RAD	DIW0550RAD	DIW0770RAD	DIW0990RAD	DIW1210RAD	DIW1430RAD	DIW1600RAD
	GRAPHITE	DIB0330RAD	DIB0550RAD	DIB0770RAD	DIB0990RAD	DIB1210RAD	DIB1430RAD	DIB1600RAD
	RAL COLOUR	DIR0330RAD	DIR0550RAD	DIR0770RAD	DIR0990RAD	DIR1210RAD	DIR1430RAD	DIR1600RAD
Number of elements	3	5	7	9	11	13	15	
DIMENSIONS								
A - Width	350	510	675	835	992	1,160	1,320	
B - Height	585	585	585	585	585	585	585	
C - Depth	97	97	97	97	97	97	97	
D - Installed Depth	120	120	120	120	120	120	120	
MECHANICAL CHARACTERISTICS								
Weight (Kg)	7.7	12.2	16.4	20.4	24.1	25.9	32.1	
Available finishes	White RAL 9016 / Graphite forge effect / RAL colours available**							
ELECTRICAL CHARACTERISTICS								
Nominal Power (W)	330	550	770	990	1,210	1,430	1,600	
Effective Power (W)*	125	209	293	376	460	543	608	
EAN CODE	WHITE	8436045913708	8436045913715	8436045913722	8436045913739	8436045913746	8436045913753	8436045913760
	GRAPHITE	8436045913777	8436045913784	8436045913791	8436045913807	8436045913814	8436045913821	8436045913838
	RAL COLOUR	8436045916235	8436045916242	8436045916259	8436045916266	8436045916273	8436045916280	8436045916297
		-XXXX**	-XXXX**	-XXXX**	-XXXX**	-XXXX**	-XXXX**	-XXXX**
T.P.	WHITE	£ 352	£ 446	£ 558	£ 637	£ 707	£ 783	£ 874
	GRAPHITE	£ 373	£ 473	£ 591	£ 675	£ 750	£ 830	£ 926
	RAL COLOUR	£ 433	£ 573	£ 731	£ 855	£ 970	£ 1,090	£ 1,226

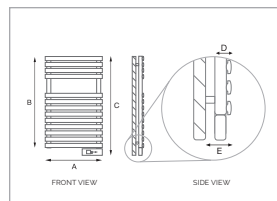


#### AVAILABLE FINISHES

-  White RAL 9016
-  Graphite
-  RAL colours \*\*
-  Chrome



- Armoured steel heating element
- Steel body with slightly curved design
- Special heat transfer fluid
- Control panel with touchpad
- Customizable TFT color display
- Energy-saving functions
- Up to 2 hours boost function
- "Roointe Connect" Mobile Control App
- Programmable 24/7
- Home automation technology
- Built-in Wi-Fi module
- Remote consumption control
- Template and installation kit
- Up to 10 years guarantee



MODEL	WHITE	DTI030SEW	DTI045SEW	DTI060SEW	DTI075SEW
	GRAPHITE	DTI030SEB	DTI045SEB	DTI060SEB	DTI075SEB
	RAL COLOUR	DTI030SER	DTI045SER	DTI060SER	DTI075SER
	CHROME	DTI030SEC	DTI045SEC	DTI060SEC	DTI075SEC
DIMENSIONS					
A - Width		500	500	500	500
B (mm) - Height without control panel		788	1,106	1,420	1,742
C (mm) - Height with control panel		843	1,161	1,475	1,797
D - Depth		55	55	55	55
E (mm) - Installed depth		100	100	100	100
MECHANICAL CHARACTERISTICS					
Weight (Kg)		13	17	21	25
Available finishes	White RAL 9016 / Graphite forge effect / RAL colours available** / Chrome				
ELECTRICAL CHARACTERISTICS					
Nominal power (W)		300	450	600	750
EAN CODE	WHITE	8436045913920	8436045913937	8436045913944	8436045913951
	GRAPHITE	8436045913883	8436045913890	8436045913906	8436045913913
	RAL COLOUR	8436045916303-xxxx**	8436045916310-xxxx**	8436045916327-xxxx**	8436045916334-xxxx**
	CHROME	8436045913845	8436045913852	8436045913869	8436045913876
T.P.	WHITE	£ 423	£ 476	£ 519	£ 576
	GRAPHITE	£ 493	£ 616	£ 690	£ 759
	RAL COLOUR	£ 599	£ 720	£ 802	£ 863
	CHROME	£ 535	£ 686	£ 796	£ 921

\*\* Colour chart available with the colour codes. Contact us for more information.



Class II

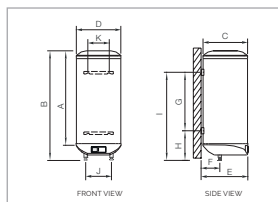


# D Series

D.H.W. CONNECTED  
DIGITAL WATER HEATER

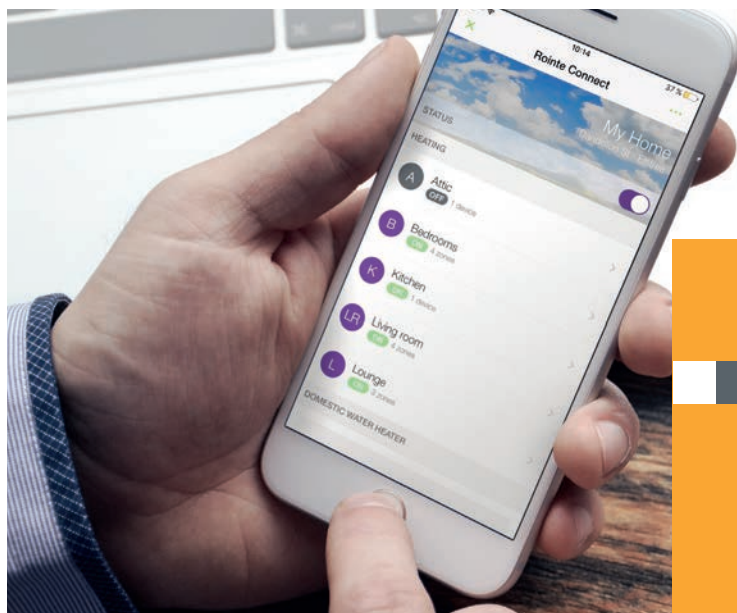
GUARANTEE  
**5**  
YEARS

GUARANTEE  
**2**  
YEARS



- Two armoured steel heating elements
- Enamelled steel tank
- Magnesium protective anode
- 3 cm polyurethane insulation
- Control panel with touchpad
- Customizable TFT color display
- Savings & anti-legionella functions
- "Rointe Connect" Mobile Control App
- Programmable 24/7
- Fuzzy Logic Energy Control
- Home automation technology
- Built-in Wi-Fi module
- Remote consumption control
- Up to 5 years guarantee

MODEL	DWI050DHW2	DWI075DHW2	DWI100DHW2	DWI150DHW2	DWI200DHW2
Volume	50	75	100	150	200
DIMENSIONS					
A (mm) - Height	640	860	1,100	900	1,070
B (mm) - Height with connections	680	900	1,150	960	1,120
C (mm) - Width	404	404	404	580	580
D (mm) - Depth	404	404	404	580	580
MECHANICAL CHARACTERISTICS					
Empty weight (kg)	18	25	32	44	56
Thermostatic mixing valve	Included in all models				
ELECTRICAL CHARACTERISTICS					
N° of heating elements x power (W)	2 x 800	2 x 1,000	2 x 1,000	2 x 1,000	2 x 1,200
Nominal Power (W)	1.600	2.000	2.000	2.000	2.400
EAN CODE	8436045913968	8436045913975	8436045913982	8436045913999	8436045914002
T.P.	£ 693	£ 863	£ 956	£ 1,122	£ 1,273



# Rointe Connect

MULTI-PLATFORM  
CONTROL APP

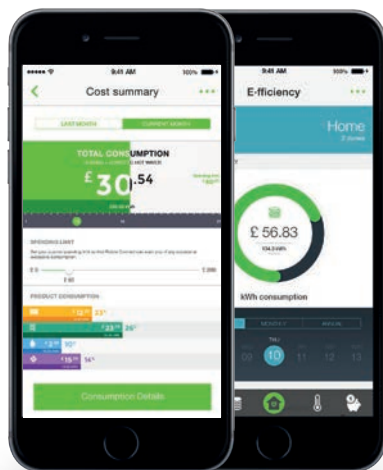
- For iOS, Android and web for other systems
- Available for mobile, tablet or PC
- Statistics available: consumption, savings, temperatures etc
- Ability to configure a single product, floor levels, whole houses or offices
- Control 24/7 from anywhere that has internet access



The cost and consumption of your heating **at a glance**.

Thanks to the new “Consumption Summary” and “E-fficiency” modules it is possible to control the cost, savings and efficiency level of the Rointe D Series connected heating products.

The free app also allows you to view the data by day, month or year. Along with data for your radiators, towel rails, water heaters or the Rointe underfloor heating system if it has been installed with the new SMART Touch control thermostat.



# KYROS

Well-being and savings all year round.

Discover the energy-efficient heating system that combines comfort and economy.

In addition to the D Series system, Rointe offers the new KYROS range, a highly efficient system with infrared remote control and capable of offering a high degree of comfort and maximum energy savings.



The ideal heating system **for you.**



An economical heating system, with maximum guarantee of comfort, well-being and the most appropriate consumption.



Easy-to-use heating system, with controllability inside the home via infrared remote control.



Curved design and modern aesthetics that fits to any type of decoration or house style.



The best system for your home and your family without scares from your electricity bill.



## ENERGY SAVING FEATURES

**62%** EQUIVALENT  
RATIO OF  
NON CONSUMPTION

### Comfort & efficiency.

- **Complete control**  
Manage, program and/or lock your heating easily from the product control panel or via remote control.
- **Maximum savings**  
Low consumption, tested and proven in independent laboratories.
- **No works or maintenance**  
No pipes, boilers or mandatory starts. No costly maintenance.
- **Energy-saving functions**  
Like "Open Windows", which turns off the radiator if it detects a drop in room temperature within a 30 minute period.

### Fuzzy Logic Energy Control, technology that takes care of your pocket.

The KYROS radiators & water heaters also include Rointe's new patented energy optimisation technology, Fuzzy Logic Energy Control, which allows savings to be increased without reducing comfort.

**This technology improves the management of the energy needed to keep the temperature stable, analyzing thermal variations to transmit heat and well-being to the environment in the most efficient way.**



## CONTROL

Compatible **remote controls** (not included)

#### AVAILABLE FINISHES

- White RAL 9016
- Soft touch black

### BASIC Control

Basic remote control with pre-programmes installed:



- Compact design
- SMD Electronics
- TFT display

#### PROGRAM YOUR RADIATORS EASILY

Includes four buttons with quick access to 4 ready-to-use pre-installed programs.

### AIR Control

Advanced remote control:

- Compact design
- Wall bracket included
- SMD Electronics
- TFT display
- **Two-way communication - sending and receiving data**
- Black and white finish



Also compatible with D Series products.

#### AVAILABLE FINISHES

White RAL 9010

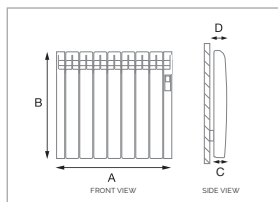
# KYROS

LOW CONSUMPTION  
DIGITAL RADIATOR

GUARANTEE  
**20**  
YEARS  
ON THE PRODUCT HOUSING

GUARANTEE  
**3**  
YEARS  
ON THE REMOTE CONTROL

CONSERVATORY SIZE  
ALSO AVAILABLE



- Armoured steel heating element
- High purity aluminium body
- Special heat transfer fluid
- Mechanical control keyboard
- TFT display
- Energy-saving functions
- Fuzzy Logic Energy Control
- Programmable 24/7
- Pre-installed programming
- Optional remote control (NOT INCLUDED)
- Infrared communication
- Template and installation kit
- Up to 20 years guarantee

MODEL	KRI0330RAD3	KRI0550RAD3	KRI0770RAD3	KRI0990RAD3	KRI1310RAD3	KRI1430RAD3	KRI1600RAD3
Number of elements	3	5	7	9	11	13	15
DIMENSIONS							
A - Width	350	520	680	840	1,010	1,180	1,330
B - Height	580	580	580	580	580	580	580
C - Depth	98	98	98	98	98	98	98
D - Installed Depth	120	120	120	120	120	120	120
MECHANICAL CHARACTERISTICS							
Weight (Kg)	7,7	12,2	16,4	20,4	24,1	25,9	32,1
Available finishes	White RAL 9010						
ELECTRICAL CHARACTERISTICS							
Nominal Power (W)	330	550	770	990	1.210	1.430	1.600
Effective Power (W)*	125	209	293	376	460	543	608
EAN CODE	8436045917256	8436045917263	8436045917270	8436045917287	8436045917294	8436045917300	8436045917317
T.P.	£ 276	£ 350	£ 438	£ 500	£ 555	£ 614	£ 685

**AVAILABLE FINISHES**

White RAL 9016

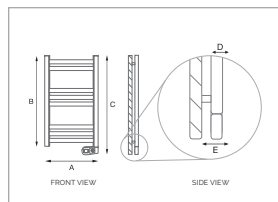


Chrome

# KYROS

DIGITAL ELECTRIC  
TOWEL RAILS

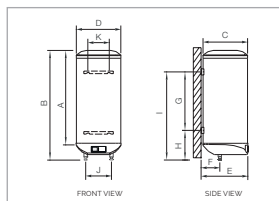
- Armoured steel heating element
- Steel body with slightly curved design
- Special heat transfer fluid
- Mechanical control keyboard
- TFT display
- Energy-saving functions
- 15, 30, 60 or 120 min. boost function
- Programmable 24/7
- Pre-installed programming
- Optional remote control (NOT INCLUDED)
- Infrared communication
- Template and installation kit
- Up to 10 years guarantee



MODEL	WHITE	KT1030SEB3	KT1050SEB3	KT1075SEB3	KT1100SEB3
	CHROME	KT1030SEC3	KT1050SEC3	KT1075SEC3	KT1100SEC3
DIMENSIONS					
A - Width		500	500	500	500
B (mm) - Height without control panel		800	1,200	1,600	1,800
C (mm) - Height with control panel		900	1,300	1,700	1,900
D - Depth		50	50	50	50
E (mm) - Installed depth		100	100	100	100
MECHANICAL CHARACTERISTICS					
Weight (Kg)		11	15	22	28
Available finishes	White RAL 9016 / Chrome				
ELECTRICAL CHARACTERISTICS					
Nominal Power (W)		300	500	750	1,000
EAN CODE	WHITE	8436045917379	8436045917386	8436045917393	8436045917409
	CHROME	8436045917331	8436045917348	8436045917355	8436045917362
T.P.	WHITE	£ 277	£ 353	£ 399	£ 440
	CHROME	£ 442	£ 569	£ 710	£ 764

# KYROS

D.H.W. DIGITAL WATER  
HEATER



- Two armoured steel heating elements
- Enamelled steel tank
- Magnesium protective anode
- 3 cm polyurethane insulation
- Control panel with touchpad
- TFT display
- Savings & anti-legionella functions
- Programmable 24/7
- Pre-installed programming
- Optional remote control (NOT INCLUDED)
- Fuzzy Logic Energy Control
- Infrared communication
- Up to 5 years guarantee

MODEL	KWI050DHW3	KWI075DHW3	KWI100DHW3	KWI150DHW3	KWI200DHW3
Volume	50	75	100	150	200
DIMENSIONS					
A (mm) - Height	640	860	1,100	900	1,070
B (mm) - Height with connections	680	900	1,150	960	1,120
C (mm) - Width	404	404	404	580	580
D (mm) - Depth	404	404	404	580	580
MECHANICAL CHARACTERISTICS					
Empty weight (kg)	18	25	32	44	56
Thermostatic mixing valve	Included with all models				
ELECTRICAL CHARACTERISTICS					
N° of heating elements x power (W)	2 x 800	2 x 1,000	2 x 1,000	2 x 1,000	2 x 1,200
Nominal Power (W)	1,600	2,000	2,000	2,000	2,400
EAN CODE	8436045917416	8436045917423	8436045917430	8436045917447	8436045917324
T.P.	£ 630	£ 784	£ 869	£ 1,020	£ 1,157



INFRARED



### Included accessories: Wall support

- The AIR Control remote control includes a transparent wall support with a modern and elegant design.



#### AVAILABLE FINISHES

- White RAL 9016
- Soft touch black

## AIR Control

INFRARED REMOTE CONTROL

- Two way communication using infra-red. Send and receive
- SMD electronics and advanced control technology
- 1.77" TFT Screen
- Compact mechanical keypad
- Complete functionality to control your Rointe heating system

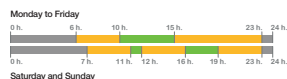
#### Compatibility

- The AIR Control remote control is **compatible with the KYROS & D Series ranges**.
- The BASIC Control remote control is **compatible with the KYROS range**.

### BASIC Control preprogrammes



#### Common lifestyle



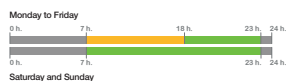
#### Split Shift



#### Home life



#### Office



● No programming ● ECO mode ● COMFORT mode

## BASIC Control

BASIC INFRARED  
REMOTE CONTROL





# SIZING

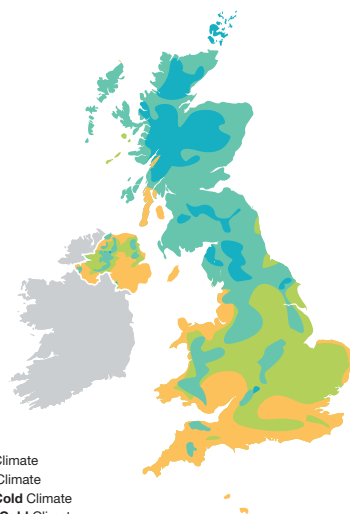
## Radiator recommended by square meter & climatic zone

In the following tables you can find examples of calculations already made according to the number of elements, area and climatic zone.

Use the map to check your climatic zone to calculate the precise quantity of elements required for correct radiator sizing.

### D SERIES AND KYROS RADIATORS

Reference tables for Rointe radiators with **ODD ELEMENT DISTRIBUTION**



■ Mild Climate  
■ Cold Climate  
■ Very Cold Climate  
■ Extra Cold Climate

#### Calculation m<sup>2</sup> - ceiling height less than 3 meters

Weather	MILD	COLD	VERY COLD	EXTRA COLD
BTU/h m <sup>2</sup>	436 BTU/h m <sup>2</sup>	476 BTU/h m <sup>2</sup>	516 BTU/h m <sup>2</sup>	556 BTU/h m <sup>2</sup>
C.T.R.	0.75 elem./m <sup>2</sup>	0.80 elem./m <sup>2</sup>	0.85 elem./m <sup>2</sup>	0.90 elem./m <sup>2</sup>
3 elem.	Up to 4 m <sup>2</sup>	Up to 4 m <sup>2</sup>	Up to 4 m <sup>2</sup>	Up to 3 m <sup>2</sup>
5 elem.	Up to 7 m <sup>2</sup>	Up to 6 m <sup>2</sup>	Up to 6 m <sup>2</sup>	Up to 6 m <sup>2</sup>
7 elem.	Up to 10 m <sup>2</sup>	Up to 9 m <sup>2</sup>	Up to 8 m <sup>2</sup>	Up to 8 m <sup>2</sup>
9 elem.	Up to 12 m <sup>2</sup>	Up to 11 m <sup>2</sup>	Up to 11 m <sup>2</sup>	Up to 10 m <sup>2</sup>
11 elem.	Up to 15 m <sup>2</sup>	Up to 14 m <sup>2</sup>	Up to 13 m <sup>2</sup>	Up to 12 m <sup>2</sup>
13 elem.	Up to 18 m <sup>2</sup>	Up to 16 m <sup>2</sup>	Up to 15 m <sup>2</sup>	Up to 15 m <sup>2</sup>
15 elem.	Up to 20 m <sup>2</sup>	Up to 19 m <sup>2</sup>	Up to 18 m <sup>2</sup>	Up to 17 m <sup>2</sup>

#### Calculation m<sup>3</sup> - ceiling height more than 3 meters

Weather	MILD	COLD	VERY COLD	EXTRA COLD
BTU/h m <sup>2</sup>	436 BTU/h m <sup>2</sup>	476 BTU/h m <sup>2</sup>	516 BTU/h m <sup>2</sup>	556 BTU/h m <sup>2</sup>
C.T.R.	0.75 elem./m <sup>2</sup>	0.80 elem./m <sup>2</sup>	0.85 elem./m <sup>2</sup>	0.90 elem./m <sup>2</sup>
3 elem.	Up to 15 m <sup>3</sup>	Up to 13 m <sup>3</sup>	Up to 11 m <sup>3</sup>	Up to 10 m <sup>3</sup>
5 elem.	Up to 23 m <sup>3</sup>	Up to 21 m <sup>3</sup>	Up to 18 m <sup>3</sup>	Up to 16 m <sup>3</sup>
7 elem.	Up to 32 m <sup>3</sup>	Up to 28 m <sup>3</sup>	Up to 25 m <sup>3</sup>	Up to 22 m <sup>3</sup>
9 elem.	Up to 41 m <sup>3</sup>	Up to 36 m <sup>3</sup>	Up to 31 m <sup>3</sup>	Up to 28 m <sup>3</sup>
11 elem.	Up to 50 m <sup>3</sup>	Up to 44 m <sup>3</sup>	Up to 38 m <sup>3</sup>	Up to 34 m <sup>3</sup>
13 elem.	Up to 58 m <sup>3</sup>	Up to 51 m <sup>3</sup>	Up to 45 m <sup>3</sup>	Up to 40 m <sup>3</sup>
15 elem.	Up to 67 m <sup>3</sup>	Up to 59 m <sup>3</sup>	Up to 51 m <sup>3</sup>	Up to 46 m <sup>3</sup>

#### Reference table for **KYROS conservatory radiators**

11 elem.	Up to 9 m <sup>2</sup>	Up to 8 m <sup>2</sup>	Up to 7 m <sup>2</sup>	Up to 7 m <sup>2</sup>
13 elem.	Up to 10 m <sup>2</sup>	Up to 9 m <sup>2</sup>	Up to 9 m <sup>2</sup>	Up to 8 m <sup>2</sup>
15 elem.	Up to 12 m <sup>2</sup>	Up to 11 m <sup>2</sup>	Up to 10 m <sup>2</sup>	Up to 9 m <sup>2</sup>

11 elem.	Up to 27 m <sup>3</sup>	Up to 24 m <sup>3</sup>	Up to 21 m <sup>3</sup>	Up to 19 m <sup>3</sup>
13 elem.	Up to 32 m <sup>3</sup>	Up to 28 m <sup>3</sup>	Up to 25 m <sup>3</sup>	Up to 22 m <sup>3</sup>
15 elem.	Up to 37 m <sup>3</sup>	Up to 32 m <sup>3</sup>	Up to 29 m <sup>3</sup>	Up to 26 m <sup>3</sup>

## Recommendations for **correct sizing**

- In areas that contain stairs or corridors and there is a high risk of heat loss, we recommend that the result be **increased by 15%**.
- As kitchens are areas with a lot more furniture and a generally higher room temperature, we recommend that the result be **decreased 10%**.
- **Avoid placing obstacles near the radiators and distribute them evenly in the room.** For example, if a room of 21m<sup>2</sup> needs 18 elements, the ideal radiators to install would be 2 of the 9 elements radiators with an equidistant separation between them.

# CALCULATION EXAMPLE

## for a home of 80m<sup>2</sup> in cold climatic zone

**Heating** - Estimated calculation of an 80 m<sup>2</sup> house with D series radiators, in cold climatic zone, with use during 12 hours day/night and a set temperature of 21°C.

**Hot Water** - Calculation carried out with the water heater operating 24 hours and with a consumption profile of 120 litres/day (30 litres per person) and a set temperature set at 73°C.



THE HEATING  
YOUR POCKET  
**WILL  
LOVE**

### Calculation example for radiators in m<sup>2</sup> (roof height less than 3 meters)

ROOM	M <sup>2</sup>	RTC	N° OF ELEMENTS	PRODUCTS	NOMINAL POWER	CONSUMPTION COEFFICIENT RATIO	EFFECTIVE POWER
Living room	19	0.80	15	1 X DIW1600RAD	1,600 W	38%	608.00 W
Kitchen	14	0.80	11	1 X DIW1210RAD	1,210 W	38%	459.80 W
Corridor	9	0.80	7	1 X DIW0770RAD	770 W	38%	292.60 W
Bedroom 1	14	0.80	11	1 X DIW1210RAD	1,210 W	38%	459.80 W
Bedroom 2	9	0.80	7	1 X DIW0770RAD	770 W	38%	292.60 W
Bedroom 3	9	0.80	7	1 X DIW0770RAD	770 W	38%	292.60 W
Bathroom	6	0.80	5	1 X DIW0550RAD	550 W	38%	209.00 W
<b>Heating</b>	<b>80 m<sup>2</sup></b>		<b>63</b>	<b>7</b>	<b>6,880 W</b>	<b>38%</b>	<b>2,614.40 W</b>

### Costs calculation

D Series radiators

NOMINAL POWER	EQUIVALENT RATIO OF CONSUMPTION	EFFECTIVE POWER
6,880 W	⊗ 38%	⊖ 2.61 kW
EFFECTIVE POWER	HOURS OF HEATING	UNIT RATE (€/KWH)
2.61 kW	⊗ 12 h	⊗ £ 0.12 kWh

With the D Series radiator, to maintain a stable temperature of 21°C for 12 hours, we only need an **equivalent coefficient of consumption of 38% of its nominal power.**

DAILY COST	MONTHLY COST
⊖ £ 3.76	⊖ £ 112.94

$$£ 112.94 / 80 \text{ m}^2 = £ 1.41 / \text{m}^2 / \text{month} *$$

\* Result obtained by dividing the monthly cost obtained in the previous example between the m<sup>2</sup> of the installation. Remember that these are approximate calculations and should be considered as average. For correct dimensioning, it is necessary to carry out a detailed and personalized technical study of the installation, done by Pointe through an official installer.

### Calculation example for D.H.W. water heaters in litres per person

PRODUCTS	VOLUME	VOLUME WITH THE MIXING VALVE	NOMINAL P.	EQ. COEFF. OF CONSUM.	EFFECTIVE P.
DWI100DHW	100 L	170 L	2,400 W	19%	456.00 W

### Costs calculation

D Series D.H.W. water heaters

NOMINAL POWER	EQUIVALENT RATIO OF CONSUMPTION	EFFECTIVE POWER
2,000 W	⊗ 19%	⊖ 0.38 kW
EFFECTIVE POWER	HOURS OF HEATING	UNIT RATE (€/KWH)
0.38 kW	⊗ 24 h	⊗ £ 0.12 kWh

With the 100 litre D Series water heater, if we set a temperature of 73°C and we have a daily consumption of 120 litres per day, we only need an **equivalent coefficient of consumption of 19%.**

DAILY COST	MONTHLY COST
⊖ £ 1.09	⊖ £ 32.83

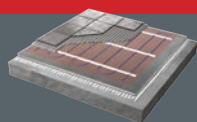


**ATRIA**  
*Ultra-thin*

ULTRA-THIN  
UNDERFLOOR  
HEATING SYSTEM

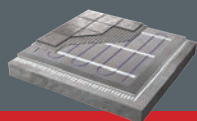
GUARANTEE 10 YEARS  
REPLACEMENT GUARANTEE

MODEL	HEATING AREA (M²)	WIDTH X HEIGHT (M)	EAN CODE	T.P.
MSIECT010	1	2 x 0.5	8436045918383	£ 89
MSIECT015	1.5	3 x 0.5	8436045918390	£ 112
MSIECT020	2	4 x 0.5	8436045918406	£ 130
MSIECT025	2.5	5 x 0.5	8436045918413	£ 159
MSIECT030	3	6 x 0.5	8436045918420	£ 186
MSIECT035	3.5	7 x 0.5	8436045918437	£ 207
MSIECT040	4	8 x 0.5	8436045918444	£ 230
MSIECT045	4.5	9 x 0.5	8436045918451	£ 253
MSIECT050	5	10 x 0.5	8436045918468	£ 279
MSIECT060	6	12 x 0.5	8436045918475	£ 331
MSIECT070	7	14 x 0.5	8436045918482	£ 379
MSIECT080	8	16 x 0.5	8436045918491	£ 416
MSIECT090	9	18 x 0.5	8436045918505	£ 451
MSIECT100	10	20 x 0.5	8436045918512	£ 484
MSIECT110	11	22 x 0.5	8436045918529	£ 513
MSIECT120	12	24 x 0.5	8436045918536	£ 560
MSIECT150	15	30 x 0.5	8436045918543	£ 704



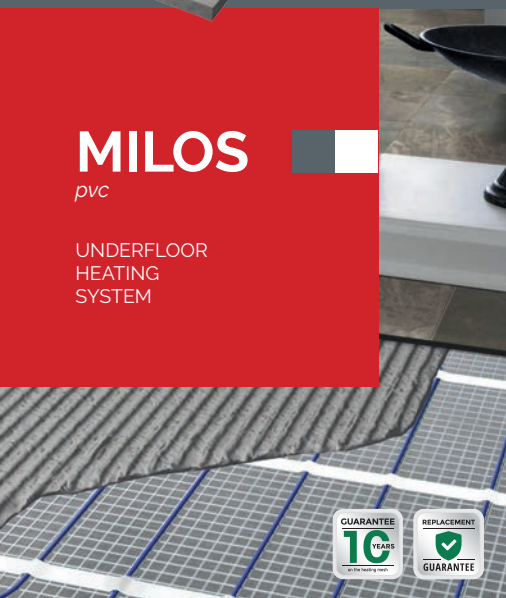
- **THE THINNEST UNDERFLOOR HEATING SYSTEM IN THE MARKET**

Ultra-thin underfloor heating system with biconductor heating cable only 1.8 mm thick and pressure sensitive adhesive over the entire surface for easy repositioning.



- **RESISTANT AND FLEXIBLE MESH**

Underfloor heating system with 3.5 mm thick biconductor heating cable installed on a flexible fibreglass mesh with self-adhesive tapes with high adhesion.



**MILOS**  
*pvc*

UNDERFLOOR  
HEATING  
SYSTEM

GUARANTEE 10 YEARS  
REPLACEMENT GUARANTEE

MODEL	HEATING AREA (M²)	WIDTH X HEIGHT (M)	EAN CODE	T.P.
MSIPVC010	1	2 x 0.5	8436045918550	£ 40
MSIPVC015	1.5	3 x 0.5	8436045918567	£ 61
MSIPVC020	2	4 x 0.5	8436045918574	£ 82
MSIPVC025	2.5	5 x 0.5	8436045918581	£ 102
MSIPVC030	3	6 x 0.5	8436045918592	£ 124
MSIPVC035	3.5	7 x 0.5	8436045918604	£ 143
MSIPVC040	4	8 x 0.5	8436045918611	£ 164
MSIPVC045	4.5	9 x 0.5	8436045918628	£ 185
MSIPVC050	5	10 x 0.5	8436045918635	£ 204
MSIPVC060	6	12 x 0.5	8436045918642	£ 247
MSIPVC070	7	14 x 0.5	8436045918659	£ 287
MSIPVC080	8	16 x 0.5	8436045918666	£ 329
MSIPVC090	9	18 x 0.5	8436045918673	£ 370
MSIPVC100	10	20 x 0.5	8436045918680	£ 410
MSIPVC120	12	24 x 0.5	8436045918703	£ 491
MSIPVC150	15	30 x 0.5	8436045918710	£ 614

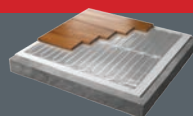


MODEL	HEATING AREA (M²)	WIDTH X HEIGHT (M)	EAN CODE	T.P.
MSIWFH010	1	2 x 0.5	8436045918727	£ 60
MSIWFH015	1.5	3 x 0.5	8436045918734	£ 71
MSIWFH020	2	4 x 0.5	8436045918741	£ 90
MSIWFH030	3	6 x 0.5	8436045918758	£ 138
MSIWFH040	4	8 x 0.5	8436045918765	£ 171
MSIWFH050	5	10 x 0.5	8436045918772	£ 211
MSIWFH060	6	12 x 0.5	8436045918789	£ 247
MSIWFH070	7	14 x 0.5	8436045918796	£ 287
MSIWFH080	8	16 x 0.5	8436045918802	£ 326
MSIWFH090	9	18 x 0.5	8436045918819	£ 367
MSIWFH100	10	20 x 0.5	8436045918826	£ 408
MSIWFH120	12	24 x 0.5	8436045918833	£ 487



#### • SYSTEM FOR LAMINATED, WOOD AND CARPET FLOORS

Extremely thin and protected system that avoids raising the ground level. The 0.5 m wide sheets can be spread in parallel sections without the need for links between them.



## CONTROL THERMOSTATS

### EASY Touch & SMART Touch



### EASY touch

PROGRAMMABLE DIGITAL THERMOSTAT



### SMART touch

INTELLIGENT THERMOSTAT WITH WI-FI CONNECTION

#### • QUICK SETUP

It can be installed and configured in minutes.

#### • SMART ENERGY CONTROL

Thanks to the preset operating modes: Auto, Manual and Anti-Frost.

#### • CONTROL VIA THE APP ROINTE CONNECT APP

Controllable through your Wi-Fi network.

#### • ENERGY MONITORING & SAVINGS

It includes graphs of energy use and cost comparisons. In addition, the Rointe Smart Touch thermostat offers smart ways to save money.

MODEL	TSETI01
EAN CODE	8436045918925
T.P.	£ 96



MODEL	TSMTI01
EAN CODE	8436045918918
T.P.	£ 179



Rointe Sales Department

**0203 321 5928**

sales@rointe.co.uk || www.rointe.co.uk

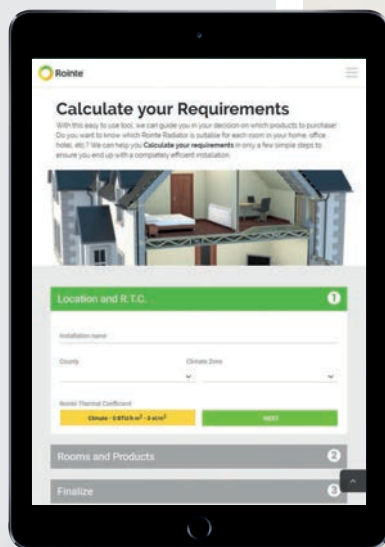
Monday to Friday from 07:30 to 17:30

Do you need help with  
**sizing an installation?**

Visit

<https://rointe.co.uk/calculate-your-needs/>

and check our new Rointe online calculator.



## What is the EFFECTIVE POWER?



### Effective Power with Optimizer Energy Plus

In tests carried out by independent laboratories, the heating was simulated for a 12m<sup>2</sup> room at a temperature of 21°C, in a climatic chamber and under pre-established and controlled parameters. After the tests were completed, an average operating power of only 40% of the rated output of the product was obtained as a result. That is what we define as an equivalent coefficient of consumption, with the remaining 60% being what we call an equivalent coefficient of non-consumption. If we multiply the nominal radiator power by the equivalent coefficient of consumption, we obtain the effective power.



### Effective Power with Fuzzy Logic Energy Control

In tests carried out by independent laboratories comparing under the same parameters a radiator with Fuzzy Logic Energy Control technology and another with Optimizer Energy Plus (first Rointe energy control technology), a difference in energy consumption of 6.3% was obtained. This saving allows radiators with Fuzzy Logic Energy Control to achieve an average power output during operation of only 38% of the rated power, is what we define as an equivalent coefficient of consumption, with the remaining 62% being what we call an equivalent coefficient of non-consumption. If we multiply the nominal radiator power by the equivalent coefficient of consumption, we obtain the effective power.