

Pool Heating



157-168
Heating



Genie Condensing Boiler

The Certikin Genie range of gas condensing pool heaters is one of the worlds only condensing pool heaters. The Genie S features a water to water heat exchanger with cupro-nickel tubes to provide long lasting durability even on salt chlorinated pools. Using condensing technology the Genie range delivers up to a fantastic 94% efficiency compared to standard direct fired pool heaters which typically operate at between 60 to 80%.

Features

- Available in 20kW (68,000btu), 35kw (123,000btu) and 49kW (167,000btu) outputs
- Only one unit to stock for either natural or LPG – supplied natural gas with conversion kit to LPG included
- Tamper proof lockable pool temperature display in C or F.
- Up to 94% condensing efficiency – equivalent to Sedbuk A
- Running cost reduced by up to 30%
- Environmentally friendly
- Modulating output for accurate temperature control & increased efficiency
- IP44 for indoor or outdoor installations
- Quiet running
- Lightweight compact design
- Pool connection left to right OR right to left
- Simple condensate disposal connections left or right side
- Pre-plumbed c/w a double non return valve & filling loop
- Plastic flue kits, push fit horizontal and/or vertical up to 20m
- Honeywell CVI controls
- Multiple heater kit options up to 400kw output (8 heaters)
- CCP pool control panel compatible
- Wall mounting kit available
- Commissioning / Diagnostic display with service required indicator (2000 hours run time)
- Suitable for use with salt chlorinated pools



Delivery of the Genie Condensing Boilers is **FREE** of Charge to customer address only, via routine delivery. (UK mainland only).
Site delivery charged extra.



Genie Natural & Propane Gas Heaters

		Price
E	MB20S Genie 20 - 20kW (68,000 BTU) Output	£2794.00
E	MB35S Genie 35 - 35kW (118,00 BTU) Output	£3096.00
E	MB50S Genie 50 - 50kW (170,000 BTU) Output	£3788.00

Balanced Flue Kits (Plastic Easifit System - One Size Fits All)

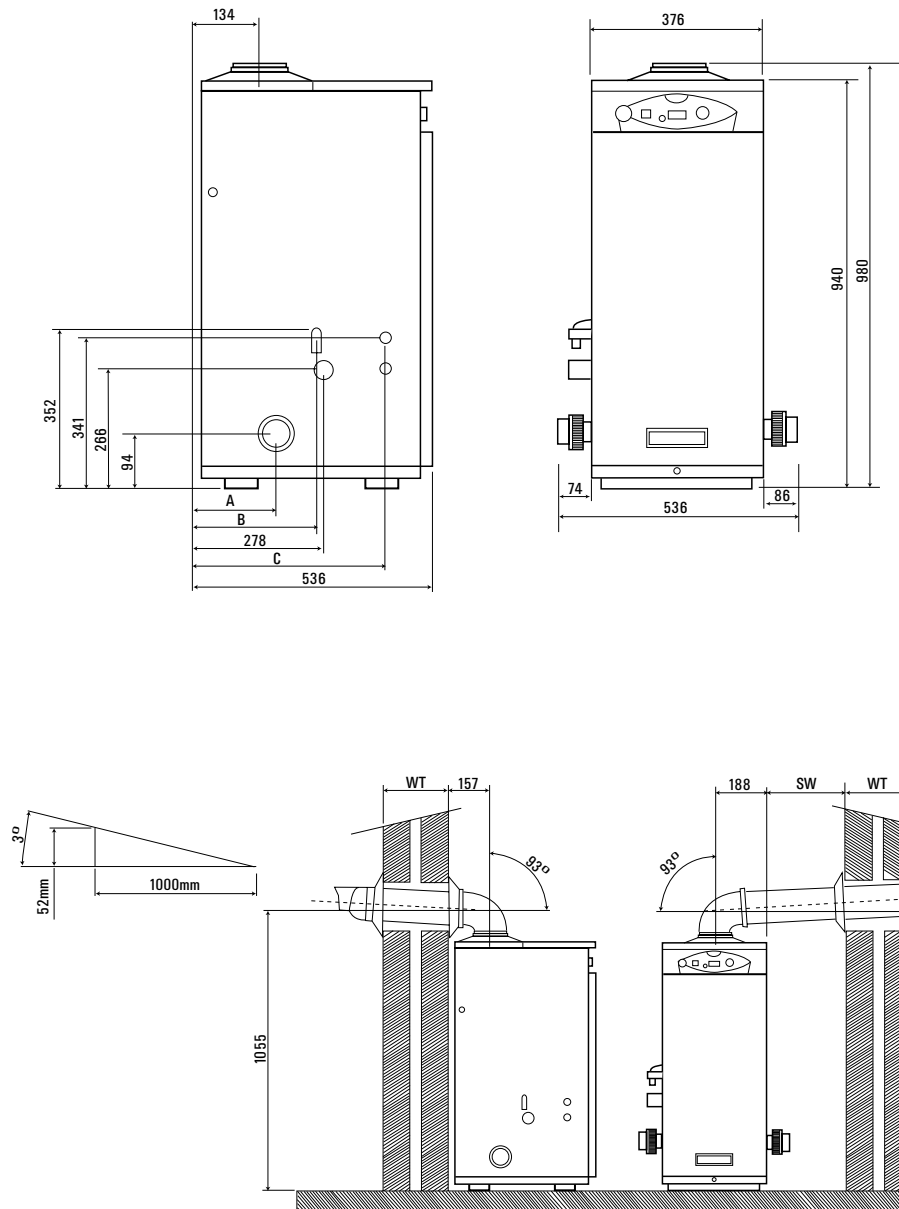
		Price
E	MBOT Genie Outdoor Terminal	£149.00
E	MBHT Genie Horizontal Terminal	£68.00
E	MBVT Genie Vertical Terminal	£133.50
E	MBHVE Genie Horizontal / Vertical Extension Pipe - 1m length	£63.00
E	MB90DB Genie 90 Degree Flue Bend	£63.00
E	MB45DB Genie 45 Degree Flue Bend - pair	£113.00
E	MBWMK35/50 Genie Wall Mount Kit	£77.00

Multiple Heater Installation Kits

		Price
E	MBMIK2 2 heater multiple installation kit (genie & oil)	£322.00
E	MBMIK3 3 heater multiple installation kit (genie & oil)	£477.00
E	MBMIK4 4 heater multiple installation kit (genie & oil)	£635.00
E	MBMIK5 5 heater multiple installation kit (genie & oil) - made to order only - allow 3 weeks	POA
E	MBMIK6 6 heater multiple installation kit (genie & oil) - made to order only - allow 3 weeks	POA



Don't forget to order your Pool control panel - see page 90 or 168 for more information



Dimensions in mm

Model	A	B	C
Genie 20	141	228	361
Genie 35	141	228	361
Genie 50	173	260	425

Efficiency

At the heart of every Genie lives a super quiet state-of-the-art stainless steel heat engine. Using a fully modulating fan and gas valve, we guarantee a precise and clean burn every time with a perfect air/fuel mixture. Condensing technology allows the Genie to perform at 94% efficiency ensuring that the heat goes into your pool water, not into the air.

Installation

Practicality and flexibility are important features of any pool heater and the Genie offers both in abundance. Every heater is factory set to run on Natural Gas and the simple insertion of a special washer during installation converts to Propane Gas in minutes. All units can be installed either indoors or outdoors and a variety of flue options will cover almost any installation situation.

The plastic push fit horizontal and vertical flue systems will work on runs of up to 20 metres equivalent (e.g. 1 x 90° elbow = 1.5metres) and are simple to fit.

With pool water, electrical and gas connections on both the left and right hand side and even being suitable for wall mounting, the Genie is the most flexible pool heater available.

User Friendly Operation

Simple operation via the lockable temperature control dial and large clear digital display means the customer is in full control of the pool water temperature. The Microprocessor Control System constantly monitors pressure, flow, temperature and safety to ensure accurate pool temperature is maintained.

The electronic diagnostics eliminate unnecessary service calls and can direct the technician to specific systems during servicing.

Reliability

Reliability is assured by the use of quality materials both inside and out. The heat engine produced in stainless steel is designed to last and the Genie casing is polyester coated to withstand the potentially harsh environments that it will be operating in.

The electrical and mechanical components are all proven and sourced from such industry leaders as Honeywell. Customers can rest assured that the Genie Condensing Gas Pool Heater will provide years of trouble-free, efficient heating.

Genie heaters are now supplied with a limited 2 year guarantee.

Certikin Gas Heaters

LIMITED
2 YEAR
WARRANTY



ZMB055 / ZMB105



LIMITED
2 YEAR
WARRANTY

ZMB155

LIMITED
2 YEAR
WARRANTY



ZMB185/265/405

Note: Due to the recent changes in the Gas Appliance Regulation (GAR) the Certikin range of direct fired gas heaters will not be available after 21st April 2018. Please make sure you satisfy your requirements before that date.

Certikin Gas Heaters

- Fully C E approved for most European countries.
- 80% Energy efficient
- Special adaptor provided for PVC plumbing.
- Unitherm governor - eliminates condensation and scale.
- Easy to service and maintain.
- Resistant to wind & downdrafts.
- Can be installed indoors and outdoors.
- High wind tops for the 185, 265 and 405 models are available on request.
- Note - Vent kits / stackless tops are supplied FOC when ordering boiler.
- Cupro nickel heat exchangers are also available

Water Balance

Important - If you do not pay due regard to 'Water Balance' and regularly test your pool water with a good quality water testing set then you may suffer a damaged Heat Exchanger inside or outside your boiler, either through clogging up (excessive scaling) or corrosion by too much acid. This also invalidates warranty. See our Water Treatment section for our water testing set. This applies to all Certikin Heaters.

Operating Through The Winter - Due to condensation boilers required to operate throughout the winter should not be installed outdoors.

Certikin Natural Gas Heaters

		Price
E	ZMB055NI 4" flue, 44,000 BTU input C/W Indoor top	£2214.00
E	ZMB055NO 4" flue, 44,000 BTU input C/W Outdoor top	£2235.00
E	ZMB105NI 5" flue, 91,000 BTU input C/W Indoor top	£2440.00
E	ZMB105NO 5" flue, 91,000 BTU input C/W Outdoor top	£2457.00
E	ZMB155NI 6" flue, 133,000 BTU input C/W Indoor top	£2680.00
E	ZMB155NO 6" flue, 133,000 BTU input C/W Outdoor top	£2700.00
E	ZMB185NI 6" flue, 169,000 BTU input C/W Indoor top	£3506.00
E	ZMB185NO 6" flue, 169,000 BTU input C/W Outdoor top	£3362.00
E	ZMB265NI 7" flue, 237,000 BTU input C/W Indoor top	£3665.00
E	ZMB265NO 7" flue, 237,000 BTU input C/W Outdoor top	£3554.00
E	ZMB405NI 9" flue, 370,000 BTU input C/W Indoor top	£3947.00
E	ZMB405NO 9" flue, 370,000 BTU input C/W Outdoor top	£3839.00

Certikin Propane Gas Heaters

		Price
E	ZMB055PI 4" flue, 44,000 BTU input C/W Indoor top	£2214.00
E	ZMB055PO 4" flue, 44,000 BTU input C/W Outdoor top	£2235.00
E	ZMB105PI 5" flue, 91,000 BTU input C/W Indoor top	£2440.00
E	ZMB105PO 5" flue, 91,000 BTU input C/W Outdoor top	£2457.00
E	ZMB155PI 6" flue, 133,000 BTU input C/W Indoor top	£2680.00
E	ZMB155PO 6" flue, 133,000 BTU input C/W Outdoor top	£2700.00
E	ZMB185PI 6" flue, 169,000 BTU input C/W Indoor top	£3506.00
E	ZMB185PO 6" flue, 169,000 BTU input C/W Outdoor top	£3362.00
E	ZMB265PI 7" flue, 237,000 BTU input C/W Indoor top	£3665.00
E	ZMB265PO 7" flue, 237,000 BTU input C/W Outdoor top	£3554.00
E	ZMB405PI 9" flue, 370,000 BTU input C/W Indoor top	£3947.00
E	ZMB405PO 9" flue, 370,000 BTU input C/W Outdoor top	£3839.00

Ventilation requirements

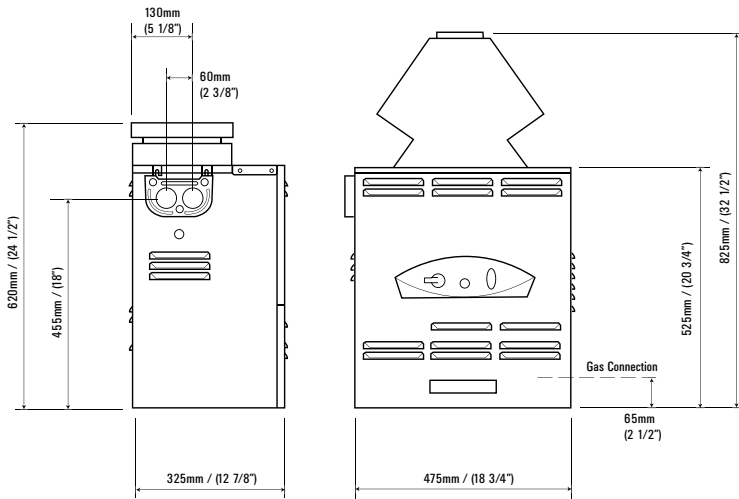
Model	Input (kW)	Plant Room (cm ²) ref BS5440 for models under 60kW ref BS6644 for models over 60kW			
		Inside		Outside	
		High	Low	High	Low
055	13	117	234	59	117
105	27	243	486	122	243
155	39	351	702	176	351
185	50	450	900	225	450
265	72	-	-	297	600
405	108	-	-	378	756

Ventilation Requirements

The heater must have both ventilation and combustion air. Minimum requirements for net free air supply openings at both high and low levels are detailed in the chart.

Position grilles to avoid the risk of accidental blockage or flooding. Further guidance is given in BS6798 / BS6644 statement.

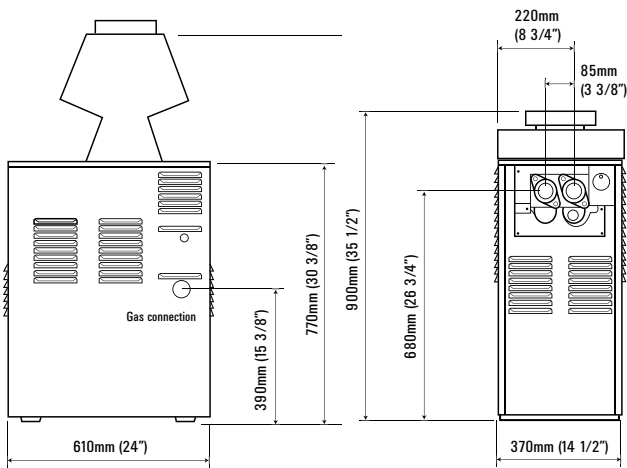
MB055 Dimensions



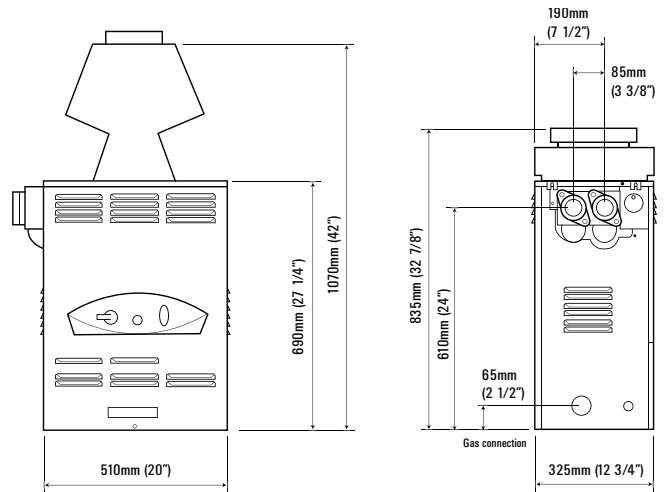
Delivery of Certikin Gas Heaters is free of charge to customer address only, via routine delivery (UK mainland only). Site delivery is charged extra.

Certikin Gas Heaters are not suitable for use with saltwater pools.

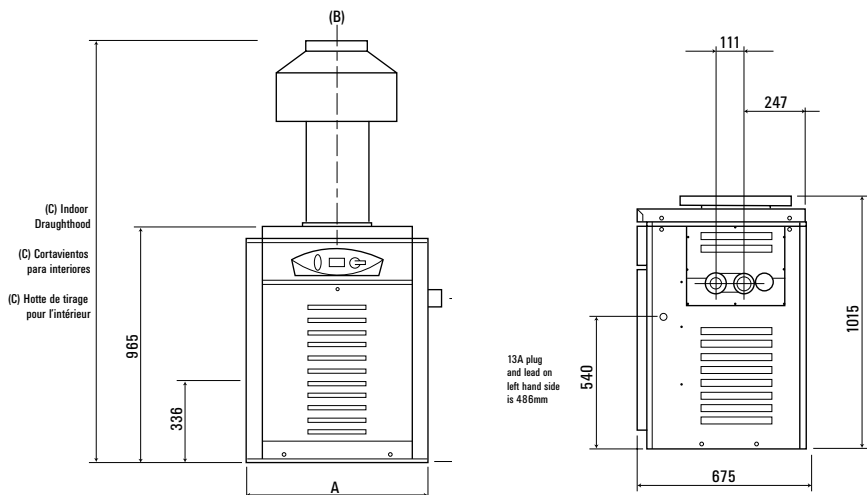
MB105 Dimensions



MB155 Dimensions



MB185 / MB265 / MB405



Don't forget to order your Pool control panel - see page 90 or 168 for more information

Certikin Oil Fired Heaters

85% Efficiency



LIMITED 2 YEAR WARRANTY

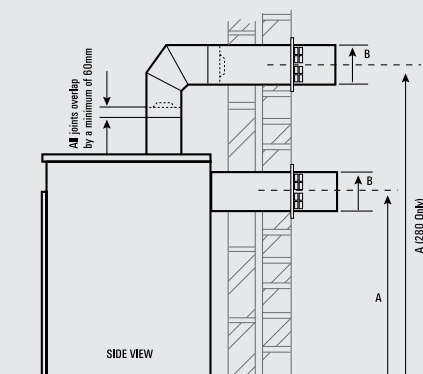
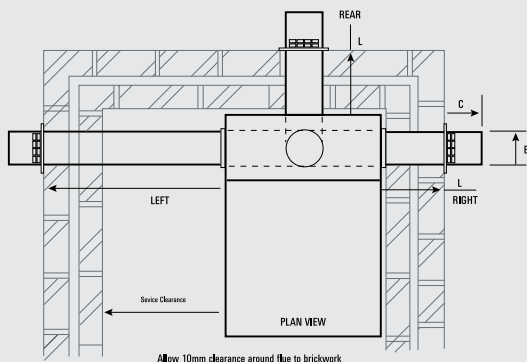
Certikin Oil Heaters are supplied to accept single wall flue. An adaptor will need to be purchased elsewhere if twin flue is required.

Delivery of Certikin Oil Heaters is FREE of Charge to customer address only, via routine delivery. (UK mainland only)

Site delivery charged extra at pallet rate.

The Certikin Oil Fired Heaters are the most comprehensive on the market.

- 85% high efficiency and output
- Approved to latest OFTEC and EC standards
- UK based technical expertise
- Pre-plumbed for ease of installation
- Optional left, right or rear horizontal balanced flue kit available for all models
- Outdoor terminals are IP44 rated
- Vertical balanced flue kit available
- Pool temperature display
- Suitable for use with salt water pools
- 2 year limited warranty



Certikin New Oil Fired Heaters Mk2

		Price
X	COH110 110,000 BTU / 32kW - 4" flue	£3399.00
X	COH180 180,000 BTU / 52kW - 5" flue	£4095.00
X	COH220 220,000 BTU / 65kW - 5" flue	£4444.00
X	COH280 280,000 BTU / 82kW - 6" flue	£5249.00

Horizontal Balanced Flue Kits For Certikin Oil Heaters

		Price
X	SPCOHBF1 Horizontal balanced flue kit for COH110	£262.00
X	SPCOHBF1L Horizontal balanced flue kit long for COH110	£382.00
X	SPCOHBF2L Horizontal balanced flue kit long - COH180/220	£485.00
X	SPCOHBF3 Horizontal balanced flue kit for COH280	£671.00

Outdoor Terminal For Certikin Oil Heaters

		Price
X	SPCOHBFV10 Outdoor Terminal for COH110	£300.00
X	SPCOHBFV11 Outdoor Terminal for COH220/180	£300.00
X	SPCOHBFV3 Outdoor terminal for COH280	£311.00

Vertical Balanced Flue Kits For Certikin Oil Heaters

		Price
X	SPCOHBFV1 Indoor vertical balanced flue adaptor terminal for COH110/180	£489.00
X	SPCOHBFV2 Indoor vertical balanced flue adaptor terminal for COH220	£635.50
X	SPCOHBFV3 Indoor vertical balanced flue adaptor terminal for COH280	£489.00
X	SPCOHBFV11E Vertical balanced flue extension long (1m) for COH110/180	£177.50
X	SPCOHBFV21E Vertical balanced flue extension long (870mm) for COH220/280	£244.00
X	SPCOHBFV15E Vertical balanced flue extension short (500mm) for COH110/180	£115.00
X	SPCOHBFV25E Vertical balanced flue extension short (460mm) for COH220/280	£184.00

Terminal Guard

		Price
X	SPCOHTG1 Terminal Guard for COH110/180/220	£25.65
X	SPCOHTG2 Terminal Guard for COH280	£119.00

Multiple Heater Installation Kits - Genie & Oil

		Price
E	MBMIK2 2 heater multiple Installation kit	£322.00
E	MBMIK3 3 heater multiple Installation kit	£477.00
E	MBMIK4 4 heater multiple installation kit - made to order only - allow 3 weeks	£635.00
E	MBMIK5 5 heater multiple installation kit - made to order only - allow 3 weeks	POA

Model	110	110	180/220	180/220	280	280	280
A (mm)	785	785	908	908	1320	1320	1320
B (mm)	142	142	180	180	230	230	230
C (mm)	175	175	200	200	225	225	225

Model	L, Length range mm			Part No:	Description
	Rear	Right	Left		
110	254 - 457	254 - 457	-	SPCOHBF1	Standard 110 Balanced Flue Kit
110	457 - 864	457 - 864	500 - 864	SPCOHBF1L	Long 110 Balanced Flue Kit
180/220	254 - 457	254 - 457	-	SPCOHBF2	Standard 180/220 Balanced Flue Kit
180/220	457 - 864	457 - 864	500 - 864	SPCOHBF2L	Long 180/220 Balanced Flue Kit
280	214 - 414	110 - 310	-	SPCOHBF3	280 Standard Flue Kit
280	674 - 874	570 - 770	570-770	Plus SPCOHBFV25E	280 Short Extension
280	1084 - 1284	980 - 1180	980-1180	Plus SPCOHBFV21E	280 Long Extension

Thermalec Electric Heaters

Thermalec Heaters

- Economy through efficiency
- Does not require regular cleaning or descaling
- Running cost will not increase with time
- Thermal efficiency for life

The 48kW, 60kW, 72kW and the 96kW Thermalec heaters are available to order.

Thermalec Heaters - 1 & 3 Phase With Titanium Elements

		Price
E	HT090SPA-T 9 kW Thermalec Spa Heater - (1 or 3 Ph)	£2171.00
E	HT120SPA-T 12 kW Thermalec Spa Heater - (1 or 3 Ph)	£2215.00
E	HT060T 6 kW Thermalec - (1 phase only)	£1424.00
E	HT075T 7.5 kW Thermalec - (1 or 3 phase)	£1574.00
E	HT090T 9 kW Thermalec - (1 or 3 Ph) - Pool Only	£1700.00
E	HT120T 12 kW Thermalec - (1 or 3 Ph) - Pool Only	£1745.00
E	HT150T 15 kW Thermalec - (1 or 3 phase)	£2400.00
E	HT180T 18 kW Thermalec - (1 or 3 phase)	£2525.00
E	HT210T 21 kW Thermalec - (1 or 3 phase)	£2645.00
E	HT240T 24 kW Thermalec - (1 or 3 phase)	£2817.00
E	HT300T 30 kW Thermalec - (3 phase only)	£3610.00
E	HT360T 36 kW Thermalec - (3 phase only)	£3972.00
E	HT480T 48 kW Thermalec - (3 phase only)	£4900.00
E	HT600T 60 kW Thermalec - (3 phase only)	£5287.00
E	HT720T 72 kW Thermalec - (3 phase only)	£5765.00
E	HT960T 96 kW Thermalec - (3 phase only)	£8231.00

Fish Safe Thermalec Heaters - Incology

		Price
E	VTH67 6kW Fish safe Thermalec heater	£1392.00
E	VTH71 7.5kW Fish safe Thermalec heater	£1573.00
E	VTH68 9kW Fish safe Thermalec heater	£1638.00
E	VTH75 12kW Fish safe Thermalec heater	£1722.00

Available to order.



Heater sizing chart

Size	24°C M ²	24°C M ³	27°C M ²	27°C M ³	30°C M ²	30°C M ³
3Kw	6	8	5	7	4	5
6kW	12	16	10	13	8	11
7.5kW	15	21	12	16	10	13
9kW	18	25	14	20	12	16
12kW	24	33	19	26	15	21
15kW	30	41	24	33	19	27
18kW	36	49	29	39	23	32
21kW	42	58	34	46	27	37
24kW	48	66	38	53	31	42
30kW	60	82	48	66	39	53
36kW	72	99	58	79	46	64
48kW	96	132	77	105	62	85
60kW	120	165	96	132	77	106
72kW	144	197	115	158	93	127
84kW	168	230	134	184	108	149
96kW	192	263	154	210	124	170
108kW	216	296	173	237	139	191
120kW	240	329	192	263	155	212

The Thermalec sizing chart is for outdoor swimming pools in the South of England, running from the beginning of May until the end of September. For swimming pools in the North, multiply the heater size by 1.3 - 1.5 depending on the exposure of the pool.

The figures shown for capacity of the pool - M³ - are based upon an average depth of 1.36m and are provided as a guide when an exact surface area is not known.

Indoor pools: providing the indoor air temperature is maintained at least 1°C above the pool temperature by an alternative form of heating 24 hours per day, the heater size may be reduced by multiplying by 0.7, but since running costs are related to the size of the pool and the temperature required, not the size of the heater, we advise keeping to the table where possible.

In countries where off-peak electricity is not available, heaters sized at 1kW per 1000 gallons (4500 litres) with the heater operating 24 hours per day, will normally be adequate and will give an 8°F (4.4°C) rise in 24 hours assuming no losses

Electro Electric Heaters



Electro Touch Screen Titan Optima Heaters

Heating Elements:	Titanium, high MgO compaction
Flow Tubes:	BS 316L Stainless Steel (EN 1.4432) (Titanium also available)
Flow Switch:	Gold tipped reed switch with Titanium fulcrum pin
Flow Requirements:	Minimum flow 12m ³ /hr Recommended flow 30m ³ /hr Maximum flow 45m ³ /hr
Contactors:	Cascade wired dual Schneider contactor for each element bank
Thermostats:	1 x 60°C safety thermal cut out (auto reset) against enclosure over temperature 1 x 55°C safety cut out (manual reset)
Control Thermostat:	Smart touch screen 0 to 45°C (0.5°C differential) featuring BMS integration ready
Water Connections:	63-mm spigot with unions for 2" / 63-mm NB

Electro Touch Screen Titan Optima Electric Pool Heaters

		Price	
D	HELT24	24kW 3 phase, Touch screen heater with Titanium elements	£3115.00
D	HELT30	30kW 3 phase, Touch screen heater with Titanium elements	£3175.00
D	HELT36	36kW 3 phase, Touch screen heater with Titanium elements	£3720.00
D	HELT45	45kW 3 phase, Touch screen heater with Titanium elements	£3605.00
D	HELT54	54kW 3 phase, Touch screen heater with Titanium elements	£3910.00
D	HELT60	60kW 3 phase, Touch screen heater with Titanium elements	£4002.00
D	HELT72	72kW 3 phase, Touch screen heater with Titanium elements	£4785.00
D	HELT96	96kW 3 phase, Touch screen heater with Titanium elements	£5968.00
D	HELT120	120kW 3 phase, Touch screen heater with Titanium elements	£7180.00



Electro Nano Splasher Pool Heater

		Price	
D	HEN3	Nano 3kW heater with Incoloy element	£337.00
D	HEN3T	Nano 3kW heater with Titanium element	£399.50

Electro Nano Splasher Pool Heater

- Easy installation, plug and play
- Robust, durable construction
- Analogue control with 1°C differential
- Ultra reliable flow switch allows safe operation with 1000 ltr / hr
- 316 stainless steel flow tube
- May be floor or vertically mounted
- 2 years conditional warranty
- Titanium model suitable for salt chlorinated water

Electro Optima Electric Heaters (With Titanium elements)

Electro Optima Compact Heaters

		Price
D	HEOCD13 3kW 1 phase, Touch screen heater with Titanium elements	£955.00
D	HEOCD14 4.5kW 1 phase, Touch screen heater with Titanium elements	£960.00
D	HEOCDV6 6kW 1 & 3 phase, Touch screen heater with Titanium elements	£1100.00
D	HEOCDV9 9kW 1 & 3 phase, Touch screen heater with Titanium elements	£1115.00
D	HEOCDV12 12kW 1 & 3 phase, Touch screen heater with Titanium elements	£1125.00
D	HEOCD315 15kW 3 phase, Touch screen heater with Titanium elements	£1135.00
D	HEOCD318 18kW 3 phase, Touch screen heater with Titanium elements	£1210.00
D	HEOCD324 24kW 3 phase, Touch screen heater with Titanium elements	£1240.00



Electro Optima Compact Heater

Heating Elements:	Titanium.
Flow Tubes:	BS 316L Stainless Steel (EN 1.4432)
Flow Switch:	Gold tipped reed switch with Titanium fulcrum pin
Flow Requirements:	Minimum flow: 3kW to 6kW = 1m ³ /hr 9kW to 24kW = 4m ³ /hr Maximum flow 17m ³ /hr
Safety Thermal Cut Out:	55°C (manual reset)
Contactors:	Dual Schneider electric
Control Thermostat:	Digital 0 to 45°C (0.5°C differential) Touch screen BMS integration ready
Water Connections:	1.5" BSP supplied with 1.5" to 50mm ABS unions



Electro G2 Titanium Heat Exchangers

		Price
D	HE30T 30kW Heat Exchanger (102,000BTU)	£375.00
D	HE49T 49kW Heat Exchanger (167,000BTU)	£442.00
D	HE85T 85kW Heat Exchanger (290,000BTU)	£572.00
D	HE122T 122kW Heat Exchanger (416,000BTU)	£744.00

Electro Heat Exchanger Upgrade Kit Options

		Price
D	HEAC Electro Analogue Control Kit	£375.00

Technical Specifications

Analogue Control Thermostat
Grundfos Booster Pump
Electro Switch
1" Female/Female Brass Fittings

Electro G2 Heat Exchangers

Electro Multi-Tubular heat exchangers are comprised of a 38-piece Titanium tube bundle, giving a vast surface contact area for the two water circuits.

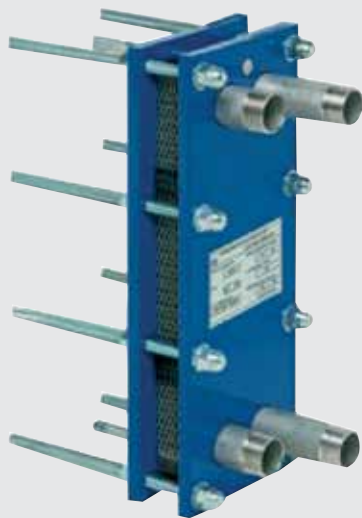
The primary circuit chamber – through which water from the heating source travels, is very narrow ensuring heat is absorbed and replaced with hot water quickly.

These strategic design features enable the Electro heat exchangers to perform very efficiently even when working with low value primary temperatures, such as solar heating systems.

The rigid aluminium jacket encapsulating a pocket of air, thermally insulates the entire unit ensuring that heat is transferred within the desired chamber and absorbed by the swimming pool water, rather than lost to the atmosphere.

Titanium Tube Bundles make the Electro Heat Exchangers ideal for use on Salt Chlorinated pools.

Certikin Plate Heat Exchangers



Features & Benefits:

- 'Counter-current flow' direction between primary and secondary fluids maintain a high constant heat transfer.
- End plates can be removed for maintenance and service work.

Certikin plate heat exchangers work by allowing recovery of the heat contained in one fluid being transferred to another fluid via a series of thin metallic plates to conduct the heat.

The fluids flow across the heat exchanger in opposite directions (Counter-current flow) to maintain a constant heat transfer.

The surface of each plate is manufactured with a pattern of grooves or channels allowing the fluids to flow across each one in turn. A gasket on each plate prevents the two fluids from contacting each other.

The plates are pressed and held together at each end by two steel pressure plates and tightened using threaded steel bars with nuts.

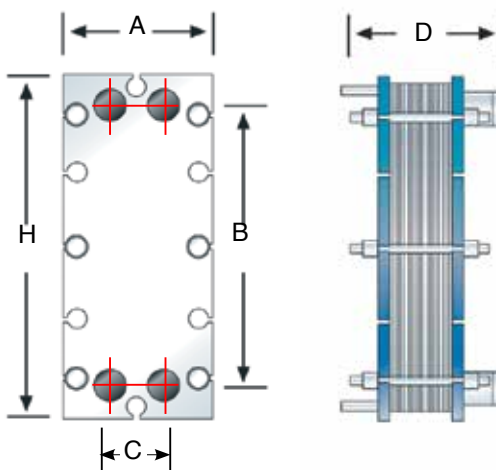
Technical data:

- Plates available in 316 Stainless Steel or Titanium.
- EPDM gaskets.
- 316 stainless steel male threaded connections.

Titanium models are available on request.

Models With 316 STAINLESS STEEL Plates

		Price
D HEP17BS	17kW Certikin plate heat exchanger with S/S plates	£1020.00
D HEP40BS	40kW Certikin plate heat exchanger with S/S plates	£1080.00
D HEP58BS	58kW Certikin plate heat exchanger with S/S plates	£1224.00
D HEP69BS	69kW Certikin plate heat exchanger with S/S plates	£1390.00
D HEP105BS	105kW Certikin plate heat exchanger with S/S plates	£1580.00
D HEP139BS	139kW Certikin plate heat exchanger with S/S plates	£1820.00
D HEP174BS	174kW Certikin plate heat exchanger with S/S plates	£1910.00
D HEP186BS	186kW Certikin plate heat exchanger with S/S plates	£1925.00
D HEP210BS	210kW Certikin plate heat exchanger with S/S plates	£1995.00
D HEP232BS	232kW Certikin plate heat exchanger with S/S plates	£2160.00
D HEP290BS	290kW Certikin plate heat exchanger with S/S plates	£2420.00
D HEP348BS	348kW Certikin plate heat exchanger with S/S plates	£3060.00
D HEP407BS	407kW Certikin plate heat exchanger with S/S plates	£3310.00
D HEP465BS	465kW Certikin plate heat exchanger with S/S plates	£3380.00
D HEP535BS	535kW Certikin plate heat exchanger with S/S plates	£3610.00
D HEP581BS	581kW Certikin plate heat exchanger with S/S plates	£3870.00
D HEP675BS	675kW Certikin plate heat exchanger with S/S plates	£4125.00



Dimensions & Technical Data

Heat Transfer		Primary Flow (Boiler)			Secondary Flow (Pool)			Dimensions				
kW	BTU	m ³ /hr	Head Loss	Conn	m ³ /hr	Head Loss	Conn	A	B	C	D	H
17	59,000	0.8	3m	1.25"	1.1	3	1.25"	200	357	60	220	460
40	138,000	1.8	3m	1.25"	1.8	3	1.25"	200	357	60	220	460
58	198,000	2.6	3m	1.25"	2.5	3	1.25"	200	357	60	220	460
69	238,000	3.1	3m	1.25"	3.0	3	1.25"	200	357	60	220	460
105	358,000	4.6	3m	1.25"	4.3	3	1.25"	200	357	60	220	460
139	475,000	6.2	3m	1.25"	6.0	3	1.25"	200	357	60	220	460
174	595,000	7.7	3m	1.25"	7.5	3	1.25"	200	357	60	220	460
186	634,000	8.2	3m	1.25"	8.0	3	1.25"	200	357	60	220	460
210	716,000	9.3	3m	1.25"	9.0	3	1.25"	200	357	60	220	460
232	793,000	10.3	3m	1.25"	10.0	3	1.25"	200	357	60	370	460
290	991,000	12.9	3m	2.5"	12.5	3	2.5"	200	357	60	370	460
348	1190,000	15.4	3m	2.5"	15.1	3	2.5"	310	603	124	630	745
407	1388,000	18.0	3m	2.5"	17.6	3	2.5"	310	603	124	630	745
465	1586,000	20.5	3m	2.5"	20.1	3	2.5"	310	603	124	630	745
535	1825,000	23.6	3m	2.5"	23.2	3	2.5"	310	603	124	630	745
581	1983,000	25.6	3m	2.5"	24.8	3	2.5"	310	603	124	630	745
675	2303,000	29.7	3m	2.5"	28.6	3	2.5"	310	603	124	630	745

Heat Exchangers

Bowman H/E - Cupro Nickel Tube Stack

		Price
D	HEB5113-1C 20kW / 68,000 BTU Heat Exchangers with plastic ends, stat pocket and socket unions EC80	£264.00
D	HEB5113-2C 40kW / 135,000 BTU Heat Exchanger with plastic ends, stat pocket and socket unions EC100	£337.00
D	HEB5113 70kW / 240,000 BTU Heat Exchanger plastic ends, stat pocket and socket unions EC120	£400.00
D	HEB5114-2 100kW / 340,000 BTU Heat Exchanger with plastic ends, stat pocket and socket unions FC100	£640.00
D	HEB5115-2C 170kW / 580,000 BTU Heat Exchanger with brass ends, stat pocket and 2.5" BSP connections FG100	£1036.00

Bowman Solar Panel H/E - Cupro Nickel Tube Stack

		Price
D	HEB5113 30kW / 102,000 BTU Heat Exchangers with plastic ends, stat pocket and socket unions	£400.00
D	HEB5113-5 75kW / 256,000 BTU Heat Exchanger with plastic ends, stat pocket and socket unions	£635.00
D	HEB5114-5 130kW / 444,000 BTU Heat Exchanger plastic ends, stat pocket and socket unions	£1115.00

Bowman H/E - Titanium Tube Stack

		Price
D	HEB5113-3T 25kW / 85,000 BTU Heat Exchangers with plastic ends, stat pocket and socket unions	£460.00
D	HEB5113-2T 50kW / 170,000 BTU Heat Exchanger with plastic ends, stat pocket and socket unions	£578.00
D	HEB5113-3T 76kW / 260,000 BTU Heat Exchanger plastic ends, stat pocket and socket unions	£755.00
D	HEB5114-2T 108kW / 370,000 BTU Heat Exchanger with plastic ends, stat pocket and socket unions	£1072.00
D	HEB5115-2T 190kW / 650,000 BTU Heat Exchanger with brass ends, stat pocket and 2.5" BSP connections	£2353.00

Bowman Solar Panel H/E - Titanium Tube Stack

		Price
D	HEB5113-3T/S 30kW / 102,000 BTU Heat Exchangers with plastic ends, stat pocket and socket unions	£755.00
D	HEB5113-5T/S 75kW / 256,000 BTU Heat Exchanger with plastic ends, stat pocket and socket unions	£1252.00
D	HEB5114-5T/S 130kW / 444,000 BTU Heat Exchanger plastic ends, stat pocket and socket unions	£2096.00

Certikin Finned Heat Exchangers

For Certikin Finned Heat Exchanger female thread composite unions are required - 1 1/2" for HESPA, HE100, HE130, HE170 & HE230. 2" required for HE460.

Certikin Finned Heat Exchanger S/S Grade 316

		Price
D	HESPA 55,000 BTU S/S heat exchanger (16kW)	£352.00
D	HE100 100,000 BTU S/S heat exchanger (30kW)	£388.00
D	HE130 130,000 BTU S/S heat exchanger (38kW)	£414.00
D	HE170 170,000 BTU S/S heat exchanger (50kW)	£439.00
D	HE230 230,000 BTU S/S heat exchanger (67kW)	£555.00
D	HE460 460,000 BTU S/S heat exchanger (135kW)	£1339.00

Heat Exchanger Kits

		Price
D	ZZHE100 100,000 BTU S/S heat exchanger & Stat kit	£645.00
D	ZZHE130 130,000 BTU S/S heat exchanger & Stat kit	£675.00
D	ZZHE170 170,000 BTU S/S heat exchanger & Stat kit	£690.00
D	ZZHE230 230,000 BTU S/S heat exchanger & Stat kit	£814.00
D	ZZHE460 460,000 BTU S/S heat exchanger & Stat kit	£1598.00

Each kit includes: Heat Exchanger, Honeywell Stat, Stat Pocket, Drilled and Threaded End Cap & 1.5" Comp Unions 100-230 2" 460

Bowman Heat Exchangers

The high performance specification of Bowman heat exchangers enables pools to be heated to the required temperature, up to 3 times faster than many other models, reducing energy costs and CO₂ emissions.

Suitable for all kinds of pools, including salt or chlorinated, they are available in Cupro Nickel, Stainless Steel and Titanium, which has a full 10 year guarantee on the tube stack. Most models also incorporate an integrated end cover, which accommodates a solvent weld connection direct to the pool water flow pipework.

In addition to units for conventional boilers, specific models are also available for solar panels and heat pumps, in a range that covers everything from resort type complexes to spa pools and hot tubs.



Certikin Heat Exchangers are not suitable for use with saltwater pools

Heating Accessories, Pool Controls & Seldeck



Pool Electric Control Panels

		Price
X CCP01	Universal pool control panel for Gas, Oil & Genie heaters	£484.00
X CCP03	Universal control panel for use with all Electric pool heaters - up to 16kW	£684.00

For more details on the pool control panels - please see page 90

Please Note: CCP01 and CCP03 do NOT comply with Amendment 3 to BS7671: 2008 (IET Wiring Regulations 17th Edition), regarding non-combustible enclosures for consumer units in domestic premises.

If this unit is intended to be installed within a domestic premises then it must be enclosed in a cabinet or enclosure constructed of non-combustible material and comply with Regulations 421.2.201 and 132.12.



Seldeck Flashing System

		Price
E BFS01	3" - 6" Seldeck Flashing	£75.00
E BFS02	4" - 8" Seldeck Flashing	£88.00
E BFS03	6" - 12" Seldeck Flashing	£160.00

Suitable for Gas & Oil Heaters

The Seldeck flashing replaces Flat flash, Adj Flash and there is no need for a separate storm collar.



Calibrated Dial Thermostat

		Price
D 1700	Calibrated dial thermostat only	£289.00



Calibrated Dial Thermostat & Pocket

		Price
D ZZ1700	Calibrated dial thermostat with pocket	£316.00



Brass Pocket

		Price
D 1700P	Calibrated dial thermostat brass pocket - 1/2" thread	£49.40



Honeywell Thermostat

		Price
D 1707	Honeywell thermostat - 13°C-79°C (55°F - 175°F)	£107.00



Drilled & Tapped End Cap 0.5"

		Price
D PG1703	Drilled/tapped end cap - Honeywell stat pocket	£4.30



Drilled & Tapped End Cap 3/8"

		Price
D PG1708	Drilled / tapped end cap - digital stat pocket	£4.30



Digital Thermostat

		Price
D 1706N	Digital thermostat for S/S & Bowman Heat Exchangers and 1706P pocket	£160.00



Digital Thermostat Pocket

		Price
D 1706P	Digital thermostat pocket - 3/8" thread	£63.50



Honeywell Pocket

		Price
D 1704	Honeywell pocket to suit 1707 - 0.5" threaded	£25.75