mixergy®

Mixergy iHP

120 | 150 | 180 | 210 | 250 Litres

The smartest and most efficient integrated heat pump cylinder on the market. The Mixergy iHP enables households to heat water fast from the top down, using Mixergy's unique Stratos heat pump technology.

Heat what you need
Heats water from the top-down, saving energy and money

10x faster re-heat time
Heats usable hot water in under 30 mins

Less refrigerant
Engineered to use as little refrigerant as possible

Innovative modular design
Detachable heat unit makes it easier to transport, install and maintain

Efficient and smaller
A++ energy efficiency rated and up to one-third of the size of conventional competitor products

Smart controls
Enjoys the benefits of Mixergy, including app control, gauge, and voice control connectivity

HEAT WHAT **YOU NEED**

Pre-plumbed design and simple connections

Smart tariff ready when integrated with solar PV

25 years on cylinder, 5 years on heat pump, 2 years other parts

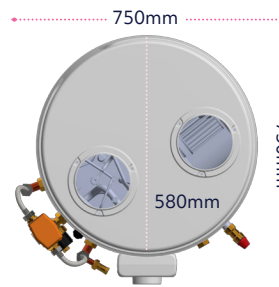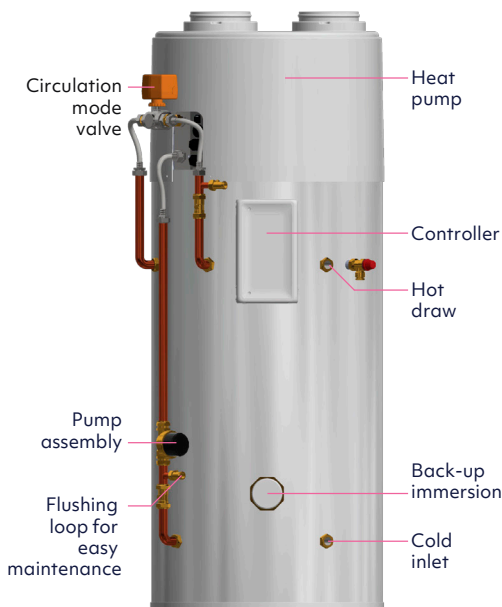A++ efficiency to help meet SAP and EPC requirements

TECHNICAL DATA

Model	120L	150L	180L	210L	250L
Product code	MX-120-IHP-58X	MX-150-IHP-58X	MX-180-IHP-58X	MX-210-IHP-58X	MX-250-IHP-58X
Nominal capacity (litres)	120	150	180	210	250
Height (mm)	1325	1515	1695	1885	2145
Diameter (mm)	580	580	580	580	580
Weight empty (kg)	83	86	90	94	97
Weight full (kg)	203	236	270	304	347
Standing heat loss * (kWh/24hr)	0.54-1.06	0.54-1.22	0.54-1.34	0.54-1.44	0.54-1.75
Back-up heater rating (kW)	2				
Coefficient of performance (CoP) **	3.4				
Minimum reheat time (15-50°C)	30 mins	30 mins	30 mins	30 mins	30 mins
70% charge reheat time (15-50 °C)	94 mins	117 mins	140 mins	164 mins	195 mins
100% charge reheat time (15-50 °C)	134 mins	167 mins	201 mins	234 mins	279 mins
Warranty (UK)	25 years on cylinder, 5 years on heat pump, 2 years other parts				

Model	120L-250L
Cylinder material	Duplex Stainless steel
Insulation material and thickness	CFC/HCFC free polyurethane foam, 60mm
Refrigerant	R290
ErP rating	A++
Air operating range	-7 to +35ºC
Achievable hot water temperature via heat pump	55ºC
Heat pump electrical rating (kW)	0.85
Heat pump max. power output (kW)	2.5
Sound pressure level (dBA)	50
Airflow (m³/hr)	450
Air ducting method	Separate inlet and outlet to exterior
Air duct diameter (mm)	150
Water connections	22 mm compression
Electrical supply	16A, 230 - 240 V~

* Lower value represents losses at 25% total volume heated and upper value is used for SAP.

** Dependant on outside temperature

- Circulation mode valve
- Heat pump
- Controller
- Hot draw
- Pump assembly
- Flushing loop for easy maintenance
- Back-up immersion
- Cold inlet

750mm
750mm
580mm

HERE TO HELP

For further information or technical assistance
01865 884343
enquiries@mixergy.co.uk
www.mixergy.co.uk

The following components are supplied as standard:

- Unvented kit: pressure reducing valve, check valve, pressure & temperature relief valve, expansion relief valve, tundish and expansion vessel (including mounting bracket and 3/4" x 22mm adapters)
- 2 kW backup immersion heater(s) 1.3/4" BSP (fitted)
- Powerline to Ethernet adapter
- Ethernet cable
- Control gauge
- User Guide

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Mixergy Xc - Direct

120 | 150 | 180 | 210 | 250 | 300 | 400 | 500 Litres

Mixergy tanks are available as indirect or direct variants, and as vented or unvented systems. Our standard diameter tanks are available to suit the needs of most homes.

Unique volumetric heating
Only heat what you need, saving money on hot water bills and reducing carbon

Heat quicker
Delivers hot water up to 10x faster than conventional tanks

Constant control
The Mixergy App and control gauge show you how much hot water you have available at any time

Smart scheduling
Build a schedule that ensures you always have enough hot water available

Voice control
Control your Mixergy tank through your Alexa or Google Home device

Smart tariff ready
Use dynamic time-of-use tariffs to provide cheap hot water in off-peak periods

Energy Savings Trust verified
Independent verification that Mixergy tanks significantly reduce gas consumption, saving up to 21% on hot water bills

HEAT WHAT YOU NEED

Heat pump ready, so you can easily connect to all makes and models of heat pump in the future

3kW Incoloy immersion heater for direct electric back-up and integration with smart electricity tariffs and solar PV
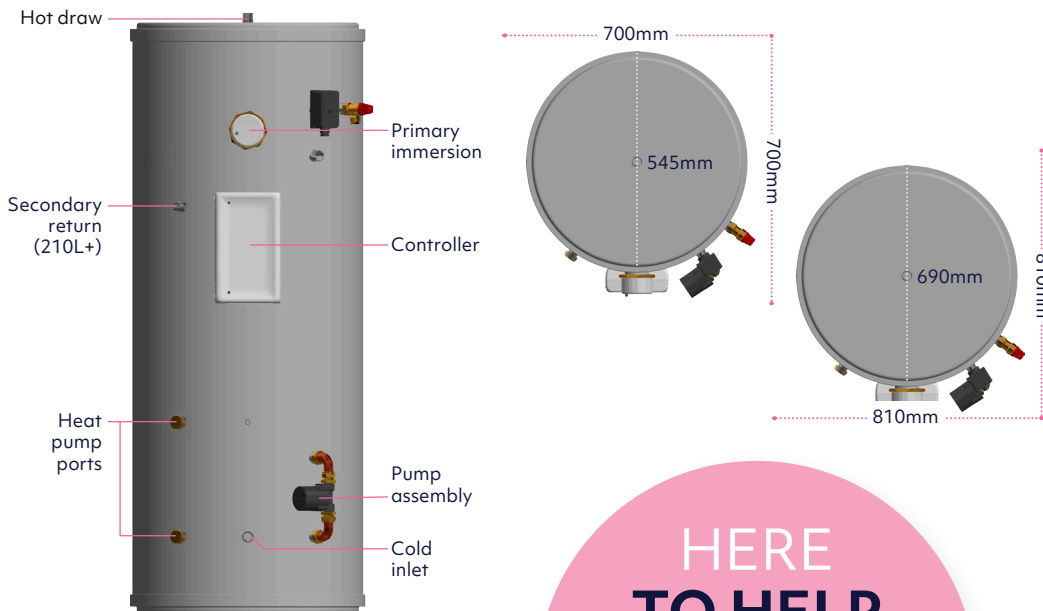
Easy connection to solar PV - either on installation or in the future

TECHNICAL DATA

Model	120L	150L	180L	210L	250L	300L	400L	500L
Product code	MX-120-ELE-549	MX-150-ELE-549	MX-180-ELE-549	MX-210-ELE-549	MX-250-ELE-549	MX-300-ELE-549	MX-400-ELE-709	MX-500-ELE-709
Nominal capacity (litres)	120	150	170	210	250	300	400	500
ErP rating	B	B	B	B	C	C	C	C
Insulation thickness (mm)	50	50	50	50	50	50	50	50
Connection size/type	22mm/comp.	22mm/comp.	22mm/comp.	22mm/comp.	22mm/comp.	22mm/comp.	1"F/threaded	1"F/threaded
Immersion heater rating (kW)	3	3	3	3	3	3	3	3
Height (mm)	888	1075	1203	1389	1701	1924	1613	1975
Diameter (mm)	545	545	545	545	545	545	690	690
Weight empty (kg)	35	38	42	45	51	55	86	102
Weight full (kg) *	155	188	212	255	301	355	486	602
Standing heat loss ** (kWh/24h)	0.68-1.06	0.68-1.22	0.68-1.34	0.68-1.44	0.68-1.75	0.68-2.04	0.97-2.21	0.97-2.42
Standing loss (W)	44	51	56	60	73	85	92	101
Minimum reheat time (15-65 °C)	44 mins	44 mins	44 mins	44 mins	44 mins	44 mins	69 mins	69 mins
70% charge reheat time (15-65 °C)	98 mins	123 mins	147 mins	172 mins	205 mins	245 mins	325 mins	406 mins
100% charge reheat time (15-65 °C)	140 mins	176 mins	210 mins	246 mins	293 mins	350 mins	465 mins	581 mins

* For cylinders with external heat exchanger fitted, add 5kg to the full cylinder weight. ** Lower value represents losses at 25% total volume heated and upper value is used for SAP

Hot draw

Primary immersion

Secondary return (210L+)

Controller

Heat pump ports

Pump assembly

Cold inlet

700mm

545mm

700mm

690mm

810mm

810mm

HERE TO HELP

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01865 884343
enquiries@mixergy.co.uk
www.mixergy.co.uk

The following components are supplied as standard:

- Unvented kit: pressure reducing valve, check valve, pressure & temperature relief valve, expansion relief valve, tundish and expansion vessel (including mounting bracket and 3/4" x 22mm adapters)
- 3 kW immersion heater(s) 1.3/4" BSP (fitted)
- High limit thermostat
- Powerline to Ethernet adapter
- Ethernet cable
- Control gauge
- User Guide

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Mixergy Xc - Indirect

120 | 150 | 180 | 210 | 250 | 300 | 400 | 500 Litres

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Control your Mixergy tank through your Alexa or Google Home device

Smart tariff ready
Use dynamic time-of-use tariffs to provide cheap hot water in off-peak periods

Energy Savings Trust verified
Independent verification that Mixergy tanks significantly reduce gas consumption, saving up to 21% on hot water bills

HEAT WHAT YOU NEED

Indirect tanks are designed for use with gas or oil boilers, available as either a vented or unvented system

Heat pump ready, so you can easily connect to all makes and models of heat pump in the future

3kW Incoloy immersion heater for direct electric back-up and integration with smart electricity tariffs and solar PV
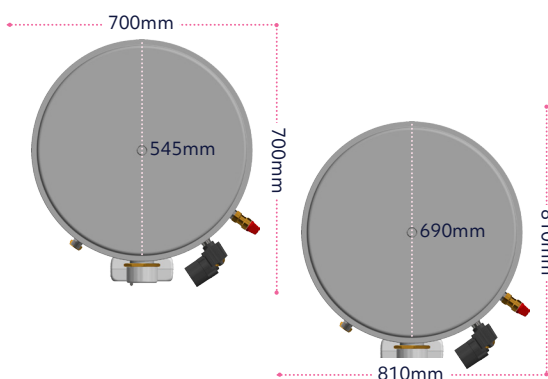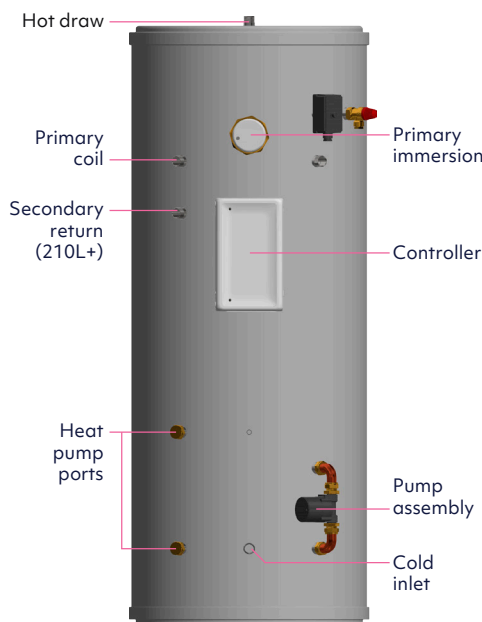
Easy connection to solar PV - either on installation or in the future

TECHNICAL DATA

Model	120L	150L	180L	210L	250L	300L	400L	500L
Product code	MX-120-IND-549	MX-150-IND-549	MX-180-IND-549	MX-210-IND-549	MX-250-IND-549	MX-300-IND-549	MX-400-IND-709	MX-500-IND-709
Nominal capacity (litres)	120	150	170	210	250	300	400	500
ErP rating	B	B	B	B	C	C	C	C
Insulation thickness (mm)	50	50	50	50	50	50	50	50
Connection size/type	22mm/comp.	22mm/comp.	22mm/comp.	22mm/comp.	22mm/comp.	22mm/comp.	1"F/threaded	1"F/threaded
Immersion heater rating (kW)	3	3	3	3	3	3	3	3
Height (mm)	888	1075	1203	1389	1701	1924	1613	1975
Diameter (mm)	545	545	545	545	545	545	690	690
Weight empty (kg)	35	38	42	45	51	55	86	102
Weight full (kg) *	155	188	212	255	301	355	486	602
Coil rating (kW)	17.8	18.3	19.4	19.9	20.7	23.6	27.6	28.5
Standing heat loss ** (kWh/24h)	0.68-1.06	0.68-1.22	0.68-1.34	0.68-1.44	0.68-1.75	0.68-2.04	0.97-2.21	0.97-2.42
Standing loss (W)	44	51	56	60	73	85	92	101
Minimum reheat time (15-65 °C)	9 mins	11 mins	11 mins	12 mins	12 mins	12 mins	13 mins	15 mins
25% charge reheat time (15-65 °C)	9 mins	11 mins	11 mins	12 mins	12 mins	12 mins	13 mins	15 mins
70% charge reheat time (15-65 °C)	17 mins	20 mins	22 mins	26 mins	30 mins	31 mins	36 mins	43 mins
100% charge reheat time (15-65 °C)	24 mins	29 mins	31 mins	37 mins	42 mins	44 mins	51 mins	61 mins

* For cylinders with external heat exchanger fitted, add 5kg to the full cylinder weight. ** Lower value represents losses at 25% total volume heated and upper value is used for SAP

Hot draw
Primary coil
Secondary return (210L+)
Heat pump ports
Primary immersion
Controller
Pump assembly
Cold inlet

700mm
545mm
700mm
690mm
810mm
810mm

The following components are supplied as standard:

- Unvented kit: pressure reducing valve, check valve, pressure & temperature relief valve, expansion relief valve, tundish and expansion vessel (including mounting bracket and 3/4" x 22mm adapters)
- 3 kW immersion heater(s) 1.3/4" BSP (fitted)
- High limit thermostat
- 2-port diverter valve V4043H1056
- Powerline to Ethernet adapter
- Ethernet cable
- Control gauge
- User Guide

HERE TO HELP

For further information or technical assistance
01865 884343
enquiries@mixergy.co.uk
www.mixergy.co.uk

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Mixergy XC - Slimline Direct

120 | 150 | 180 | 210 Litres

Mixergy slimline tanks are ideal when space is limited. Like our standard range, slimline tanks are available as indirect or direct variants, and as vented or unvented systems. The slimline range is available in sizes up to 210 litres.

Unique volumetric heating
Only heat what you need - save up to 40% on hot water bills

Heat quicker
Delivers hot water up to 10x faster than conventional tanks

Constant control
The Mixergy App and control gauge show you how much hot water you have available at any time

Smart scheduling
Build a schedule that ensures you always have enough hot water available

Voice control
Control your Mixergy tank through your Alexa or Google Home device

Smart tariff ready
Use dynamic time-of-use tariffs to provide cheap hot water in off-peak periods

Energy Savings Trust verified
Independent verification that Mixergy tanks significantly reduce gas consumption, saving up to 21% on hot water bills

HEAT WHAT YOU NEED

Heat pump ready, so you can easily connect to all makes and models of heat pump in the future

3kW Incoloy immersion heater for direct electric back-up and integration with smart electricity tariffs and solar PV
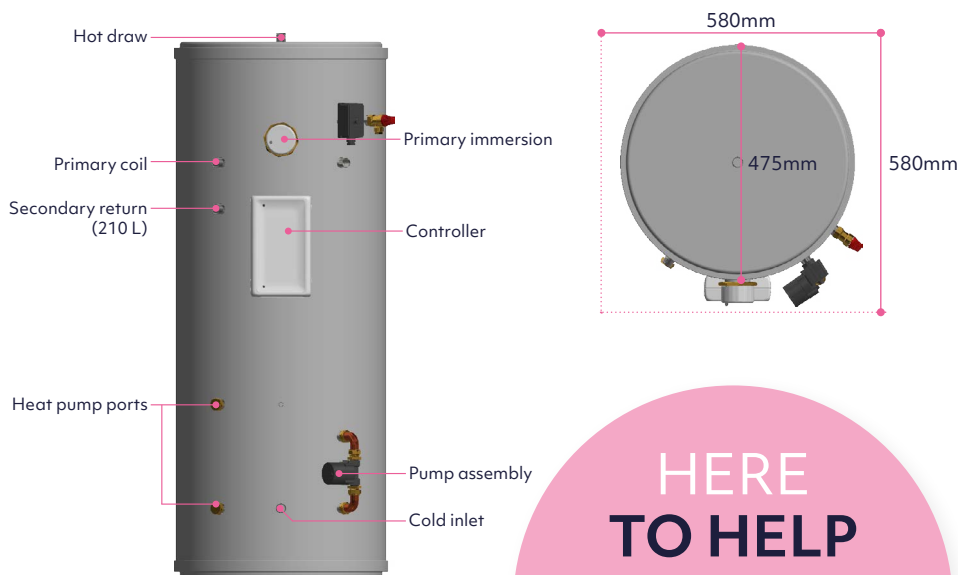
Easy connection to solar PV - either on installation or in the future

TECHNICAL DATA

Model	120L	150L	180L	210L
Product code	MX-120-ELE-479	MX-150-ELE-479	MX-180-ELE-479	MX-210-ELE-479
Nominal capacity (litres)	120	150	170	200
Height (mm)	1240	1505	1680	1950
Diameter (mm)	475	475	475	475
Weight empty (kg)	33	37	41	45
Weight full (kg) *	151	184	208	242
Cylinder material	Duplex Stainless steel			
Insulation	CFC/HCFC free polyurethane foam, 50mm			
Water connections	22 mm compression			
Electrical supply	16A, 230 - 240 V~			
ErP rating	B	B	B	B
Immersion heater rating (kW)	3	3	3	3
Standing heat loss ** (kWh/24h)	0.68-1.25	0.68-1.42	0.68-1.51	0.68-1.58
Standing loss (W)	52	59	63	66
Minimum reheat time (15-65 °C)	32 mins	32 mins	32 mins	32 mins
70% charge reheat time (15-65 °C)	98 mins	123 mins	147 mins	172 mins
100% charge reheat time (15-65 °C)	140 mins	176 mins	210 mins	246 mins

* For cylinders with external heat exchanger fitted, add 5kg to the full cylinder weight. ** Lower value represents losses at 25% total volume heated and upper value is used for SAP

Hot draw
Primary immersion
Primary coil
Secondary return (210 L)
Controller
Heat pump ports
Pump assembly
Cold inlet

580mm
475mm
580mm

HERE TO HELP

For further information or technical assistance
01865 884343
enquiries@mixergy.co.uk
www.mixergy.co.uk

The following components are supplied as standard:

- Unvented kit: pressure reducing valve, check valve, pressure & temperature relief valve, expansion relief valve, tundish and expansion vessel (including mounting bracket and 3/4" x 22mm adapters)
- 3 kW immersion heater(s) 1.3/4" BSP (fitted)
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- Ethernet cable
- Control gauge
- User Guide

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Mixergy X - Slimline Indirect

120 | 150 | 180 | 210 Litres

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Smart tariff ready
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Energy Savings Trust verified
Independent verification that Mixergy tanks significantly reduce gas consumption, saving up to 21% on hot water bills

HEAT WHAT YOU NEED

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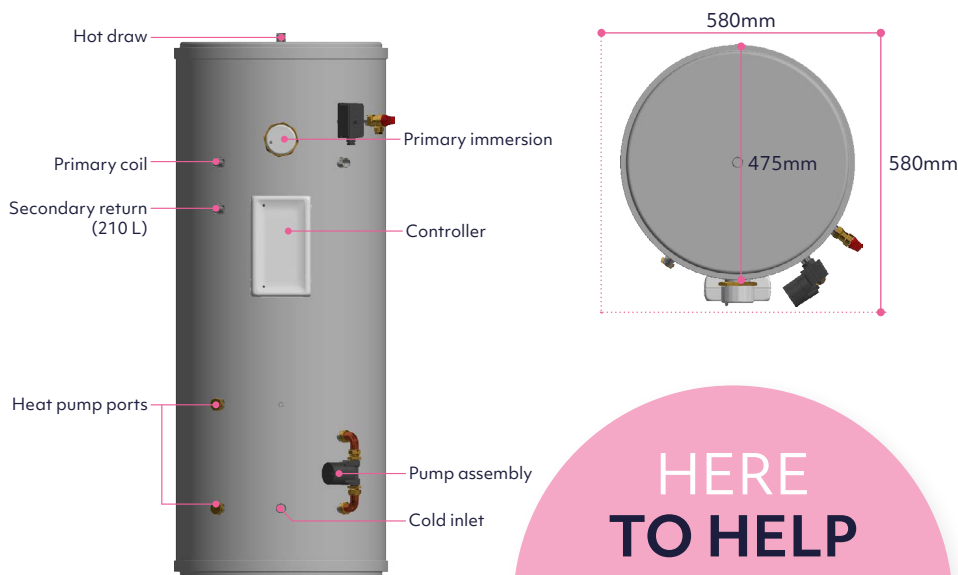
Easy connection to solar PV - either on installation or in the future

TECHNICAL DATA

Model	120L	150L	180L	210L
Product code	MX-120-IND-479	MX-150-IND-479	MX-180-IND-479	MX-210-IND-479
Nominal capacity (litres)	120	150	170	200
Height (mm)	1240	1505	1680	1950
Diameter (mm)	475	475	475	475
Weight empty (kg)	33	37	41	45
Weight full (kg) *	151	184	208	242
Cylinder material	Duplex Stainless steel			
Insulation	CFC/HCFC free polyurethane foam, 50mm			
Water connections	22 mm compression			
Electrical supply	16A, 230 - 240 V~			
ErP rating	B	C	C	C
Immersion heater rating (kW)	3	3	3	3
Coil rating (kW)	18.8	18.8	19.2	19.4
Standing heat loss ** (kWh/24h)	0.68-1.25	0.68-1.42	0.68-1.51	0.68-1.58
Standing loss (W)	52	59	63	66
Minimum reheat time (15-65 °C)	11 mins	11 mins	11 mins	11 mins
25% charge reheat time (15-65 °C)	11 mins	11 mins	11 mins	11 mins
70% charge reheat time (15-65 °C)	13 mins	15 mins	17 mins	20 mins
100% charge reheat time (15-65 °C)	19 mins	21 mins	24 mins	29 mins

* For cylinders with external heat exchanger fitted, add 5kg to the full cylinder weight. ** Lower value represents losses at 25% total volume heated and upper value is used for SAP

Hot draw
Primary immersion
Primary coil
Secondary return (210 L)
Controller
Heat pump ports
Pump assembly
Cold inlet

580mm
475mm
580mm

HERE
TO HELP

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- Ethernet cable
- Control gauge
- User Guide

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25 YEAR WARRANTY

Manufactured in the UK

WRAS APPROVED PRODUCT

CIPHE ciphe.org.uk INDUSTRIAL ASSOCIATE

V4