

mixergy®

Direct

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

DATASHEET

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

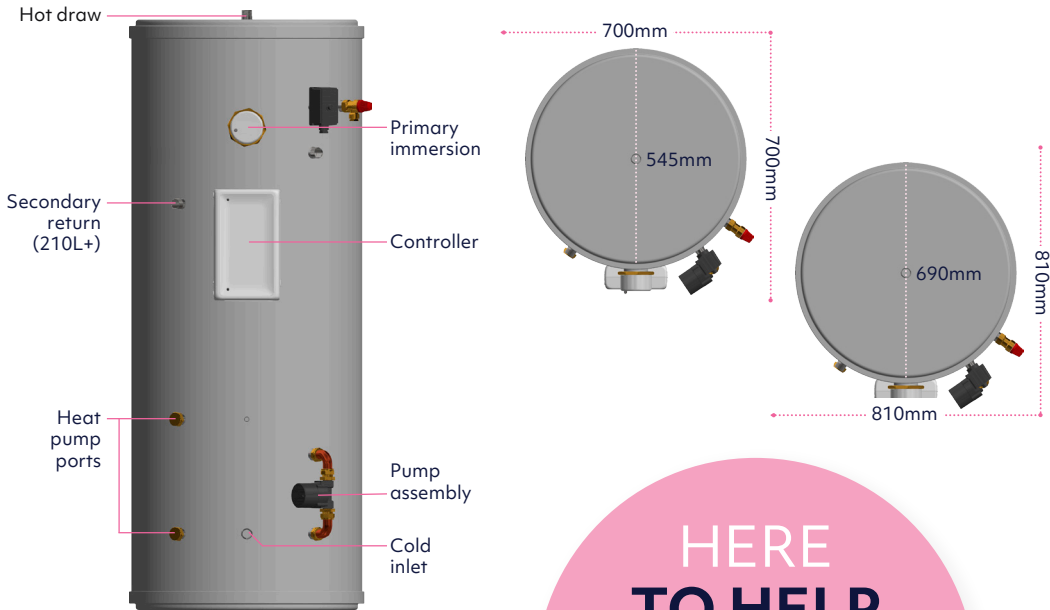


Easy connection to solar PV - either on installation or in the future

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



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)
- High limit thermostat
- Powerline to Ethernet adapter
- Ethernet cable
- Control gauge
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Indirect

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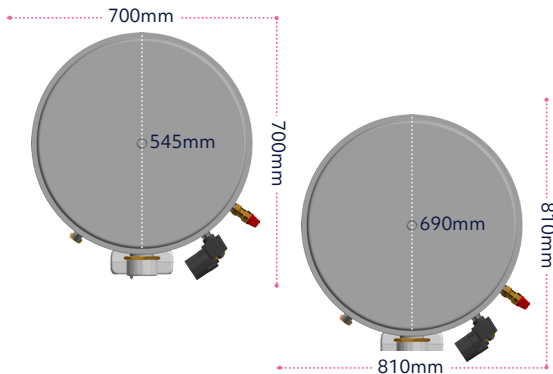
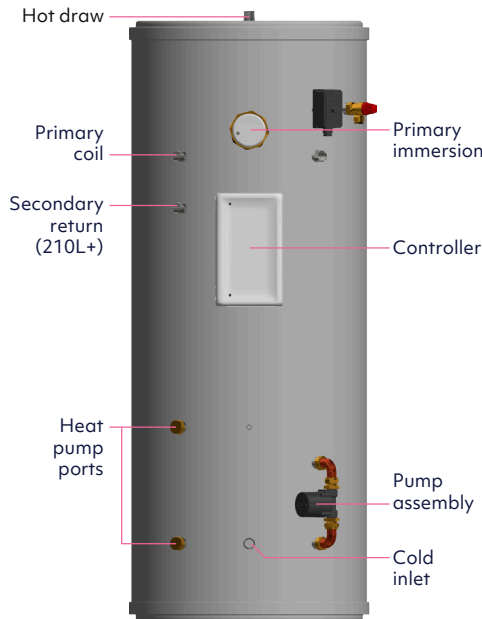


Easy connection to solar PV - either on installation or in the future

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

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- High limit thermostat
- 2-port diverter valve V4043H1056
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DATASHEET

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

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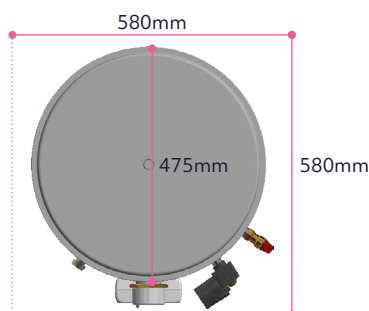
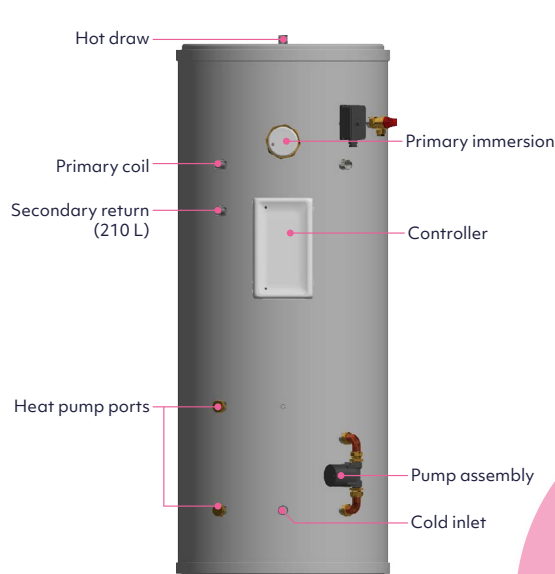


Easy connection to solar PV - either on installation or in the future

TECHNICAL DATA

Model	120L	150L	180L	210L
Product code	MX-120-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



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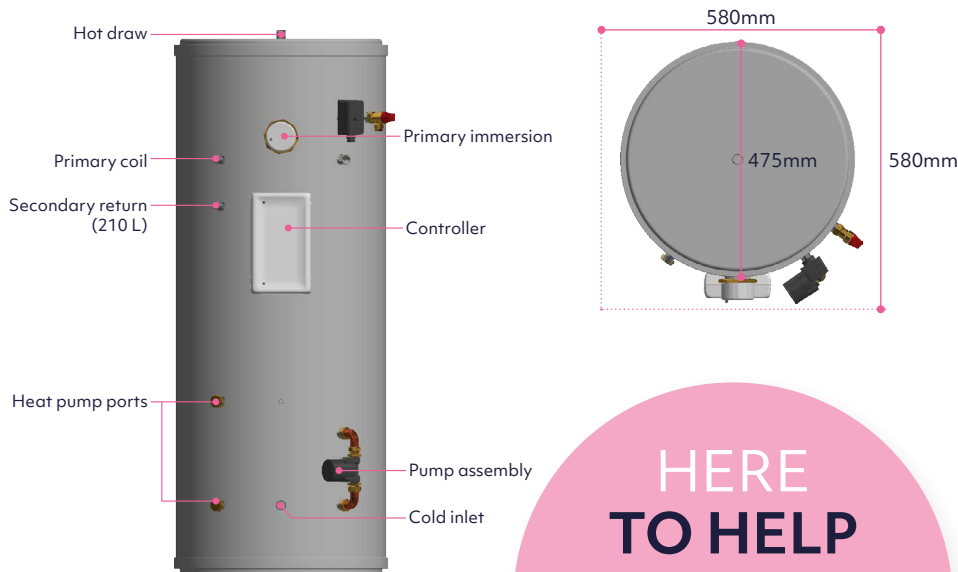


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Diameter (mm)	475	475	475	475
Weight empty (kg)	33	37	41	45
Weight full (kg) *	151	184	208	242
Cylinder material	Duplex Stainless steel			
Insulation	CFC/HCFC free polyurethane foam, 50mm			
Water connections	22 mm compression			
Electrical supply	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

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