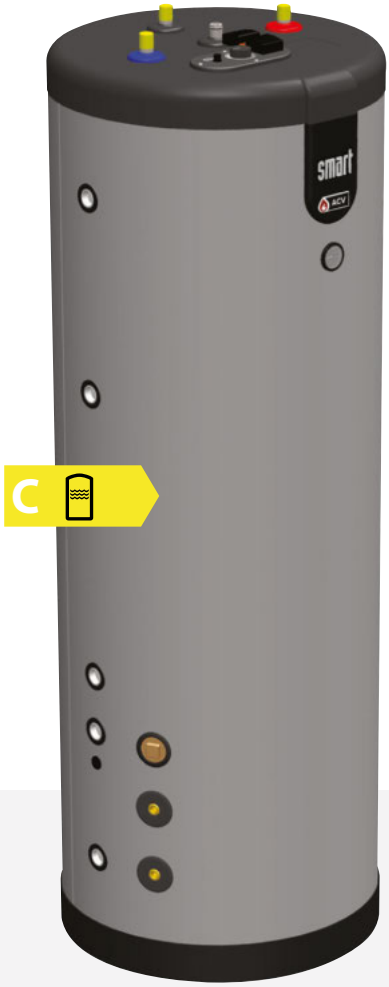
Smart ME 300

Stainless steel indirect cylinder with additional coil for use with multi-energy sources to produce domestic hot water.

ACV
EXCELLENCE IN HOT WATER



- Ideal for use with renewable energy such as heat pumps, solar, heat recovery and in district heating schemes due to large primary store
- Reduces legionella risk due to temperature: hot water stored at > 60°C
- Low maintenance with no anode protection required
- The carbon steel coil enables this product to be used in a variety of installations including system separation for a heating circuit
- Long life – 25-year guarantee* on the corrosion resistant stainless steel cylinder
- Low standing losses – cylinder comes with thick polypropylene jacket
- Can provide dual temperature outputs for different circuits such as underfloor heating (low temperature) and DHW (high temperature)
- Suitable for unvented systems – supplied as a complete package including 3.5 bar mains unvented kit
- Maximise capacity of the cylinder with DHW mixing valve and 2 port valve supplied as standard
- Supplied with 3kW immersion heater (6kW option available)
- Fits through a standard doorway for access to plant room
- Cost effective solution, simple installation with no de-stratification kit needed and no flue requirements

Tank-in-tank technology

- **Fast** heat up
- **Rapid** recovery
- **Reduced** footprint
- **Reduced** scale
- **Low** storage required
- **Minimal** heat loss

kiwa approved
UK WATER REGULATION 4

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*Terms & conditions available at www.acv.com/gb/customer/warranties.

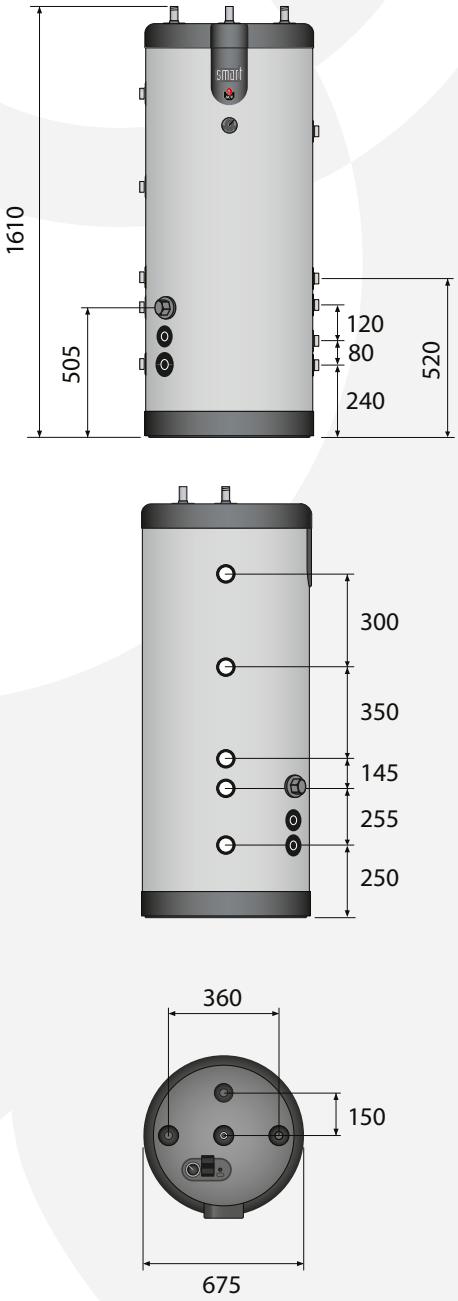
Technical data and dimensions

TYPE	UNIT	SLME 300
Part number		XB313000
Capacity (domestic hot water)	L	126
Capacity (total)	L	303
Max operating pressure (coil)	bar	10
Max operating temperature (DHW)	°C	80
Max operating pressure heating (primary)	bar	4
Max operating pressure (DHW)	bar	8.6
Connection - heating element	Ø"	1 ½ F
Connection - DHW	Ø"	¾ M
Connection - primary	Ø"	1 F
Connection - re-circulation / safety valve	Ø"	¾ M
Corresponding flow in coil	L/h	3000
Max absorbed heat (Heat source: coil)	kW	19
Weight (empty)	kg	99
Energy efficiency storage class		C
Primary heater pressure drop (EN12897:2016)	mbar	51.2
Standing losses	W	77
Standing losses	kWh/day	1.848

Domestic hot water performance

TYPE	UNIT	SLME 300
Peak flow at 40°C	L/10'	418
Peak flow 1st hour at 40°C	L/60'	1225
Continuous flow at 40°C	L/h	967
Peak flow at 45°C	L/10'	348
Peak flow 1st hour at 45°C	L/60'	1003
Continuous flow at 45°C	L/h	786
Peak flow at 60°C	L/10'	206
Peak flow 1st hour at 60°C	L/60'	590
Continuous flow at 60°C	L/h	461
Heating surface area	m^2	1.8
Max absorbed heat (Heat source: boiler)	kW	32
Reheat time (EN 12897)	min	10

This data assumes an incoming mains water temperature of 10°C.
*In line with the recommendations specified in UK Building Regulations (2016) Part G, ACV UK Ltd advise the installation of a suitable domestic hot water thermostatic mixing valve on the hot flow immediately after the appliance.



All dimensions in mm.