

Smart ME 600

Stainless steel indirect cylinder with additional coil for use with multi-energy sources to produce domestic 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 100mm Polyurethane mattress
- > 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



ACV UK Ltd

St. David's Drive, St. David's Business Park, Dalgety Bay, Fife, KY11 9PF
uk.sales@acv.com | acv.com

Technical data and dimensions



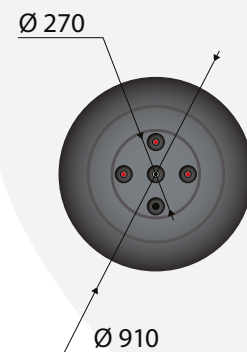
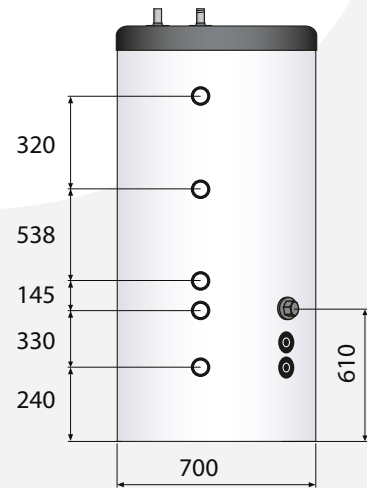
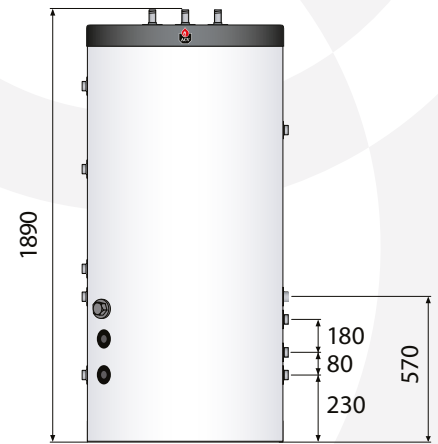
| TYPE | UNIT | SLME 600 |
|---|---------|----------|
| Part number | | XB316000 |
| Capacity (domestic hot water) | L | 225 |
| Capacity (total) | L | 606 |
| Max operating pressure (coil) | bar | 10 |
| Max operating temperature (DHW) | °C | 80 |
| Max operating pressure heating (primary) | bar | 4 |
| 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 | 29 |
| Weight (empty) | kg | 180 |
| Primary heater pressure drop (EN12897:2016) | mbar | 55.6 |
| Standing losses | W | 120 |
| Standing losses | kWh/day | 2.88 |

Domestic hot water performance

| TYPE | UNIT | SLME 600 |
|---|----------------|----------|
| Peak flow at 40°C | L/10' | 686 |
| Peak flow 1st hour at 40°C | L/60' | 1872 |
| Continuous flow at 40°C | L/h | 1423 |
| Peak flow at 45°C | L/10' | 582 |
| Peak flow 1st hour at 45°C | L/60' | 1559 |
| Continuous flow at 45°C | L/h | 1172 |
| Peak flow at 60°C | L/10' | 358 |
| Peak flow 1st hour at 60°C | L/60' | 935 |
| Continuous flow at 60°C | L/h | 693 |
| Heating surface area | m ² | 2.5 |
| Max absorbed heat (Heat source: boiler) | kW | 48 |
| 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.