

SmartLine SLE

Fast recovery Tank-in-Tank cylinder – standard 3kW immersion, perfect partner to condensing boiler.

At a time when consumers are demanding higher performance from their hot water installations, the traditional coil based cylinders find it more difficult to deliver high volumes of water for the modern user.

ACV Tank-in-Tank technology represents a significant advance in the science of hot water production. A greater heat transfer surface means Tank-in-Tank units recover much faster than any other type of hot water storage cylinder – keeping boiler cycling to a minimum, and ultimately giving improved fuel efficiency with outstanding hot water delivery.

SmartLine SLE Features:

- 3kW immersion heater in primary
- Stainless steel construction – no anode protection required
- Low heat loss – high quality 50mm polyurethane insulation
- Easy access control pod with thermostats and six-pin plug for simple electrical connection
- Hard wearing polypropylene finish
- Vented or unvented use, mains pressure systempak supplied
- Failsafe DHW mixing valve
- Can be used in battery formation for higher hot water output



SLE 130

2 Bed House with bath/shower



SLE 160

3 Bed House with bath/shower



SLE 210

4 Bed House with two baths/shower



SLE 240/SLE300

5 Bed House with two baths/two showers



Technical Data

		SLE 130	SLE 160	SLE 210	SLE 240	SLE 300
Total capacity	L	130	161	203	242	293
Primary capacity	L	55	62	77	78	93
Heating surface area	m ²	1.03	1.26	1.54	1.94	2.29
Primary pressure drop	mbar	17	22	37	45	51
Primary flow rate	Ltrs/hr	2100	2600	3500	4200	5500
Maximum useable input from boiler	kW	23	31	39	53	68
Primary connections (female BSP)	Ø	1"	1"	1"	1"	1"
Hot water connections (male BSP)	Ø	3/4"	3/4"	3/4"	3/4"	3/4"
Immersion heater connection (female BSP)	Ø	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Weight empty	kg	45	54	66	76	87
Weight full	kg	175	215	269	318	380
Maximum operating temperature	°C	85	85	85	85	85

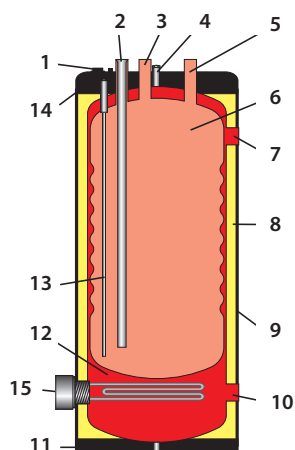
Maximum operating pressure Primary: 3 bar Secondary: 10 bar

Performance Data

		SLE 130	SLE 160	SLE 210	SLE 240	SLE 300
Litres in first 10 minutes	40°C	236	321	406	547	800
Litres in first 10 minutes	45°C	202	275	348	469	640
Litres in first 10 minutes	60°C	117	161	209	272	370
Litres in first hour	40°C	784	1063	1349	1820	2360
Litres in first hour	45°C	672	911	1156	1560	1920
Litres in first hour	60°C	384	549	689	913	1100
Continuous flow 40°C	Ltrs/hr	658	890	1132	1527	2100
Continuous flow 45°C	Ltrs/hr	564	763	970	1309	1710
Continuous flow 60°C	Ltrs/hr	320	465	576	769	970
Initial heat up time 10°C to 85°C	Min	22	22	20	20	22

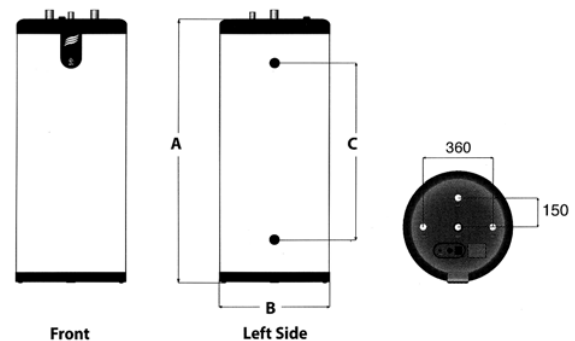
Please Note: Performance data assumes a primary flow temperature of 85°C and a domestic cold water supply of 10°C

Characteristics



1. Control thermostat, high limit thermostat and wiring connection
2. Domestic cold water inlet
3. Temperature and pressure relief valve connection
4. Primary air vent
5. Domestic hot water outlet
6. Stainless steel cylinder
7. Heating water flow connection
8. 50mm polyurethane insulation
9. Shock-proof, thick polypropylene outer casing
10. Heating water return connection
11. Rigid PVC base
12. Steel outer tank
13. Thermostat pocket
14. Rigid PVC top cover
15. Immersion heater connection

Dimensions



	SLE 130	SLE 160	SLE 210	SLE 240	SLE 300
A	960mm	1160mm	1435mm	1680mm	1988mm
B	555mm	555mm	555mm	555mm	555mm
C	525mm	725mm	997mm	1244mm	1550mm