



SmartLine SLME

Designed for a range of applications and a multiple choice of energy sources.

Multi-Energy cylinder with the advantages of Tank-in-Tank technology and the added benefit of a carbon steel coil located at the bottom in the primary water. The large heating surface area and increased primary volume of the SLME tanks not only increase recovery time, but also ensure all energy from your renewable source is absorbed into the tank, reducing fuel bills and ultimately helping the environment.

Due to the unique design of the Multi-Energy cylinder and the large primary thermal store, it is the perfect partner for Solar, Heat Pumps, Pellet Burners, Heat Recovery Systems, District Heating Applications and more.

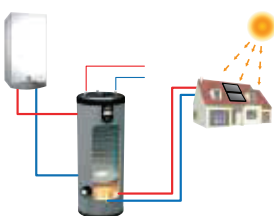
Advantages Over Twin Coil Tank

- Increased heating surface for rapid domestic hot water recovery
- Large primary volume allows for greater thermal store
- Can be used as a low loss header for heating circuit
- Smaller compact tank with increased performance
- Immersion heater in primary circuit
- More heat sources absorbed into the tank
- Flexible design options for specifiers and installer
- Extra primary connections for connecting to heating circuit



When to install a Smart Line Multi Energy

Solar applications



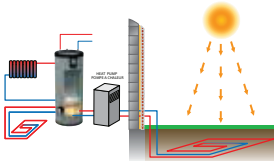
District/centralised heating applications



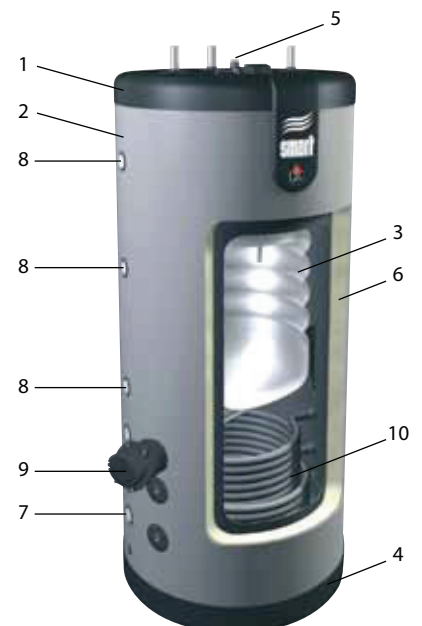
Wood/pellet boiler applications



Heat pump applications



1. Polypropylene top lid
2. Polypropylene shell
3. Stainless steel tank (DHW)
4. Polypropylene bottom lid
5. Manual air purge
6. Polyurethane foam insulation
7. Dry well for sensors
8. Outer steel tank (primary circuits) see diagrams page 9
9. Electric heating element (not on SLME 800 model)
10. Carbon steel coil



		SLME120	SLME200	SLME300	SLME400	SLME600	SLME800
Total capacity	L	123	203	303	395	606	800
Primary capacity	L	46	95.7	165	219	365	517
Domestic capacity	L	77	99	126	164	225	263
Coil capacity	L	3	8.3	12	12	16	20
Primary fluid flow rate	Ltrs/hr	2100	3000	3000	3000	3000	3000
Coil fluid flow rate	Ltrs/hr	2300	3000	3000	3000	3000	3000
Primary pressure drop	mbar	32	40	42	45	48	50
Coil pressure drop	mbar	160	460	533	533	186	216
Tank heating surface	m ²	1.08	1.26	1.46	1.94	1.90	2.65
Coil heating surface	m ²	0.78	1.42	1.80	1.80	2.50	3.00
Max operating pressure heating circuit	bar	3	3	3	3	3	3
Max operating pressure DHW circuit	bar	10	10	10	10	10	10
Max operating pressure coil circuit	bar	10	10	10	10	10	10
Max operating temperature	°C	90	90	90	90	90	90
Weight empty	kg	65	68	99	120	180	220
Coil connection	Ø	3/4" F	1" M	1" M	1" M	1" M	1" M
Primary connection	Ø	3/4" F	1" F	1" F	1" F	1" F	1" M
Hot water connections	Ø	3/4" M	3/4" M	3/4" M	3/4" M	3/4" M	1 1/2" M
Immersion heater connection	Ø	1 1/2" F	1 1/2" F	1 1/2" F	1 1/2" F	1 1/2" F	-

Performance Data

		Heating Source - external boiler connected to tank					
		SLME120	SLME200	SLME300	SLME400	SLME600	SLME800
Litres in first 10 minutes	40°C	300	321	418	558	686	922
Litres in first 10 minutes	45°C	242	275	348	464	582	790
Litres in first 10 minutes	60°C	146	161	206	274	358	504
Litres in first hour	40°C	938	1063	1225	1633	1872	2666
Litres in first hour	45°C	751	911	1003	1338	1559	2285
Litres in first hour	60°C	426	536	590	786	935	1368
Continuous flow at 40°C	L/h	827	890	967	1289	1423	2093
Continuous flow at 45°C	L/h	673	763	786	1048	1172	1794
Continuous flow at 60°C	L/h	378	450	461	614	693	1037
Initial heat up time 10°C to 85°C	Min	27	29	45	45	60	53

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

Dimensions

