

SmartLine SL

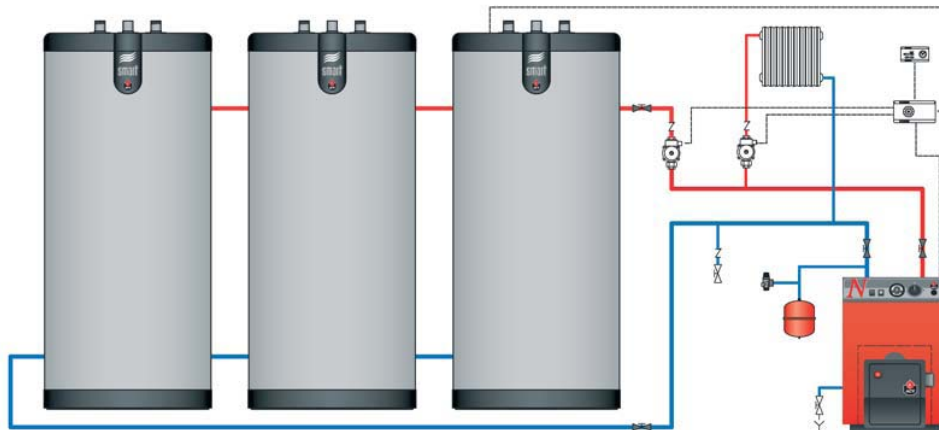
Fast recovery Tank-in-Tank cylinder – perfect partner to condensing boiler.

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 SL Features:

- 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 available
- Residential or commercial use
- Can be used in battery formation for higher hot water output



Technical Data

		SL320	SL420	SL600
Total capacity	L	318	413	606
Primary capacity	L	55	55	161
Heating surface area	m ²	2.65	3.24	3.58
Primary pressure drop	mbar	90	95	92
Primary flow rate	Ltrs/hr	6200	6400	7200
Maximum useable input from boiler	kW	73	88	88
Primary connections (female BSP)	Ø	1 1/2"	1 1/2"	2"
Hot water connections (male BSP)	Ø	1 1/2"	1 1/2"	1 1/2"
Weight empty	kg	141	167	238
Weight full	kg	459	580	844
Maximum operating temperature	°C	90	90	90

Maximum operating pressure Primary: 4 bar Secondary: 10 bar

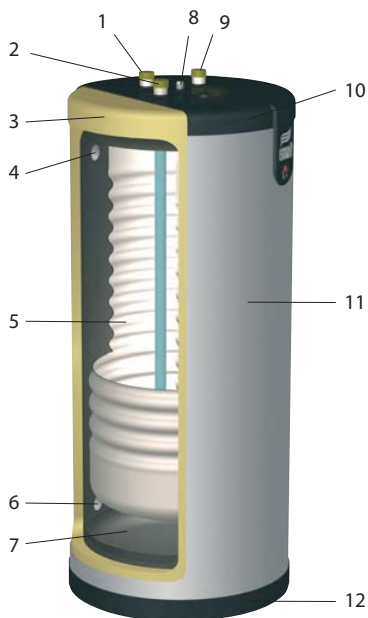
Performance Data

		SL320	SL420	SL600
Litres in first 10 minutes	40°C	922	1195	1345
Litres in first 10 minutes	45°C	790	1012	1153
Litres in first 10 minutes	60°C	504	620	706
Litres in first hour	40°C	2666	3151	3437
Litres in first hour	45°C	2285	2608	2946
Litres in first hour	60°C	1368	1513	1733
Continuous flow 40°C	Ltrs/hr	2093	2536	2511
Continuous flow 45°C	Ltrs/hr	1794	2058	2152
Continuous flow 60°C	Ltrs/hr	1037	1153	1232
Initial heat up time 10°C to 85°C	Min	23	24	35

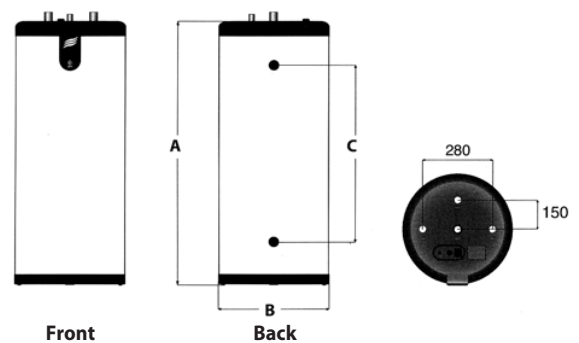
Please Note: Performance data assumes a primary flow temperature of 85°C and a domestic cold water supply of 10°C without the use of a thermostatic mixing valve on the domestic hot water outlet.

Characteristics

Dimensions



1. DHW return or temp/pressure relief valve
2. Cold feed
3. Insulation 50mm
4. Primary hot water flow
5. DHW tank
6. Primary return
7. Primary hot water
8. Air vent
9. DHW flow
10. Rigid top case
11. Stain resistant jacket
12. Rigid base



	SL320	SL420	SL600
A	1550mm	1975mm	1835mm
B	660mm	660mm	817mm
C	1030mm	1455mm	1328mm

High efficiency hot water storage