

SST stainless steel direct storage vessels



- Storage capacities from 300 to 1000 litres
- Stainless steel construction
- Low standing losses
- 10-year storage vessel warranty
- For use with circulating-type water heaters and package plate heat exchangers



Lochinvar[®]
HIGH EFFICIENCY BOILERS & WATER HEATERS

Lochinvar stainless steel direct storage vessels

The SST range of direct storage vessels is available in 4 models with storage capacities from 300 to 1,000 litres. Constructed from duplex stainless steel, SST models can operate at working pressures of up to 6.0 bar.

Stainless steel is a material which is naturally resistant to corrosion caused by electrolytic action in water systems. As a material it is often preferred in areas where water conductivity is low, as electrolytic action can be accelerated under such conditions. SST direct storage vessels are designed for use with Lochinvar circulating-type water heaters, such as our EcoForce, EcoKnight or TTW ranges, all of which have stainless steel heat exchangers.

They can also be used to provide additional storage for other water heater types, including our LOK range of packaged plate heat exchangers.



SST direct storage vessel
4 models

Circulating water heaters

SST units are frequently installed in conjunction with products like our EcoKnight range; the benefit of this type of water heating method, is that multiple water heater/storage vessel combinations are possible. This can be particularly useful for applications with high hot water demand and can help with equipment location in plant rooms, which are restricted for space.



EcoKnight circulating-type gas-fired water heater
with SST direct storage vessel

Low standing losses

SST storage vessels are insulated with 50mm polyurethane, ensuring that storage or standing losses are considerably lower than required by building regulations. A plastic outer casing protects the insulation against external damage.

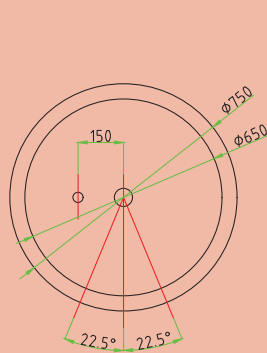
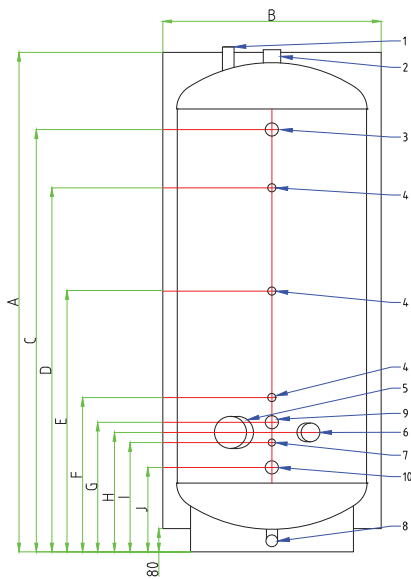
Packaged plate heat exchangers

This has become a popular method to provide domestic hot water in certain applications, particularly where space is restricted. In instances where peak demand is required over short periods, it can be beneficial to install in conjunction with SST direct storage vessels.

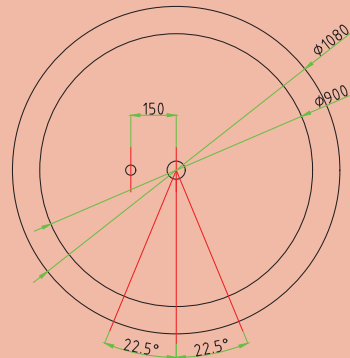


LOK packaged plate heat exchanger
with SST direct storage vessel

Dimensional drawings



SST66, SST110 and SST165



SST220

Dimensions

Model	Storage capacity	A	B	C	D	E	F	G	H	I	J
No	Litres	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SST66	300	1170	750	905	805	630	530	445	410	375	290
SST110	500	1715	750	1450	1250	897	530	445	410	375	290
SST165	700	2320	750	2055	1550	1030	530	445	410	375	290
SST220	1000	1907	1080	1536	1221	906	591	506	471	436	351

Connections

No	Description	Size BSP	Model reference
1	Spare	1¼"	All
2	Hot outlet	2"	SST66-SST110
2	Hot outlet	2½"	SST165-SST220
3	T&p valve	1½"	All
4	Spare	¾"	All
5	Inspection port	4"	All
6	Immersion heater connection	2¼"	All
7	Temperature sensor	½"	All
8	Drain	1"	All
9	Flow connection	1½"	All
10	Return connection	1½"	All

Technical specification

Model		SST66	SST110	SST165	SST220
Storage capacity	litres	300	500	700	1000
Efficiency data - building regulations					
Heat loss	Kw/24 hr	2.0	2.8	3.0	3.4
Efficiency data - ErP					
Ecodesign energy label rating		C	C	n/a	n/a
Standing loss	W	85	116	123	143
General data					
Dimensions (height)	mm	1170	1750	2320	1907
Dimensions (width)	mm	750	750	750	1080
Hot outlet connection (inches)	BSP	2	2	2½	2½
Flow/return connection (inches)	BSP	1½	1½	1½	1½
Weight (empty)	kg	55	95	140	175
Weight (full)	kg	355	595	840	1175
Maximum working temperature	°C	100	100	100	100
Minimum working pressure	bar	0.5	0.5	0.5	0.5
Maximum working pressure	bar	6.0	6.0	6.0	6.0

Energy label, product fiche and ErP data table are available at www.lochinvar.ltd.uk

Complementary products

Gas-fired circulating water heaters

- EcoForce wall hung
- EcoKnight floor standing
- TTW floor standing

Other water heater products

- Electric immersion heaters
- LOK packaged plate heat exchangers

Ancillary options

- Unvented system kits
- Additional connections (factory-fitted)



For further information on the SST direct storage vessels, including ICM & user instructions and our full warranty terms and conditions, please visit our website: www.lochinvar.ltd.uk

