



Stainless Steel Buffer Storage

Joule manufactures a large range of stainless buffer tanks with different coil configurations. The largest capacity stainless steel buffer tank is 3,000L. Buffer tanks can come complete with numerous coil configurations from direct to quad coil and all in-between. The coil types available are pumped high temperature, heat pump, gravity and solar. The advantages of choosing a Joule stainless steel buffer storage tank are,

- Light weight compared with mild steel
- BSP direct connections
- BSP coil connections
- Standard immersions available on request.
- Eco 80 specification available (80mm insulation)

Examples of Use

- With air and ground source heat pumps
- For helping solar to heat support both heating and hot water system
- For use with bio mass and solid fuel heating systems
- As a heat store for electrically generated energy



Technical Information

	LARGE STAINLESS STEEL BUFFER STORAGE TANKS								
	125	150	170	200	250	300	400	500	600
Volume (l)	125	150	170	200	250	300	400	500	600
Height (mm)	925	1085	1205	1085	1335	1335	1535	1880	2280
Diameter (mm)	550	550	550	600	600	600	710	710	710
Weight Empty (kg)	26	30	32	34	43	47	62	75	90
Weight Full (kg)	151	180	202	234	293	347	462	575	690
No. Direct Connections	7	7	7	9	9	9	9	9	9
Diameter of Direct Connections	1"	1"	1"	1"	1"	1"	1"	1"	1"
Drain Off	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Standard Standing Loss (kWh/Day)	1.23	1.41	1.53	1.8	2.15	2.28	2.41	2.54	2.71
Eco80 Standing Loss (kWh/Day)	1.16	1.36	1.44	1.69	1.91	2.15	2.25	2.38	2.59

	ELECTRICAL HEATING OPTIONS				
	Length (mm)	Phase	Thread Connection (")	Material	Watt Density per (inch ²)
6 kW	457	Single Phase	2.25" BSP	Incoly 825	
9 kW	457	Single Phase	2.25" BSP	Incoly 825	90
12 kW	406	Three Phase	2.25" BSP	Incoly 825	73
18 kW	610	Three Phase	2.25" BSP	Incoly 825	71



0	0	0	0	0	0	0	0	0
Temperature and Pressure Relief Valve	Expansion Vessel	High Flow Rate Inlet Control Set	Dual Thermostat	Incoloy Long 240V 3kW Immersion Heater	15/22 Tundish	22mm Thermostatic Mixing Valve	Expansion Vessel Hose	22 mm 2 Port Motorized Diverting Valve