



### Large Stainless Steel Hot Water Calorifier

Joule manufactures stainless steel cylinders in all capacities up to 3,000L. Choosing stainless steel over mild steel for hot water storage is a sensible option as it removes the need for a sacrificial anode and maintenance of that part. The quality of the cylinders is ensured with factory testing to 12 bar. Stainless steel construction offers numerous advantages over mild steel

- Better corrosion resistance properties
- Coil type heat exchangers
- Removable U type heat exchangers
- Option for inspection hatch
- Soft foam jacket insulation option
- Dense PU foam and wipe clean outer casing option
- Horizontal or vertical standing
- Connections available for use with plate heat exchangers
- Stainless Steel grade used 316L
- Option for cylinder to be manufactured to customers' requirements



# Technical Information

	LARGE STAINLESS STEEL HOT WATER CLARIFIERS							
Volume (l)	600	750	1000	1250	1500	2000	2500	3000
Height (mm)	2100	2100	2100	2100	2400	2700	2700	2700
Diameter (mm)	610	750	900	945	945	1100	1200	1270
Weight Empty (kg)	110	132	155					
Weight Full (kg)	710	882	1155					
Working Pressure (bar)	6-8	6-8	6-8	6-8	6-8	6-8	6-8	6-8
Tested Pressure (bar)	9-12	9-12	9-12	9-12	9-12	9-12	9-12	9-12

- Dense foam insulation and outer casing only available up to 945mm shell diameter. Bigger than this requires soft foam jacket (100mm)
- Dimensions indicated (height & diameter) are un-insulated shell dimensions and insulation thickness must be added to get overall dimensions

	ELECTRICAL HEATING OPTIONS				
	Length (mm)	Phase	Thread Connection (")	Material	Watt Density per (inch <sup>2</sup> )
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

	INSPECTION HATCHES	
	Connection Type	Material
200mm Diameter	Flange	Stainless Steel
300mm Diameter	Flange	Stainless Steel
400mm Diameter	Flange	Stainless Steel

	INSULATION OPTIONS	
	Thickness	Type
Soft Foam Jacket	100 mm	Removable Jacket
Dense PU Foam	50 mm	Not Removable

	COILS & HEAT EXCHANGERS			
	Diameter (mm)	Recovery Time (mins)	Working Pressure (bar)	Notes
Internal Coil	22 / 28 / 32 / 38	30 / 40 / 60 / 90 / 120	6-8	Internal, not removable
U Type	25-50	30 / 40 / 60 / 90 / 120	6-8	Fully removable

- Primary connections can be selected from available options
- Other coil and u type heat exchanger specifications available on request

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