

Technical submittal



Products: **Halstock calorifier HS305**

Project:

Customer:

Date:

- ⌚ Indirect method of producing safe and hygienic domestic hot water
- ⌚ Fast recovery for constant hot water
- ⌚ Hot water cylinder and coil made out of corrosion resistant stainless steel for a long life backed up by a 5 year cylinder warranty
- ⌚ Minimal heat loss for maximum economy thanks to layer of CFC-free polyurethane tank insulation under protective plastisol cladding
- ⌚ Highly efficient heat transfer from a corrugated coil design
- ⌚ Low maintenance as no sacrificial anodes or powered corrosion protection systems needed
- ⌚ Versatility in use – coupled to Hamworthy commercial boilers or backup via immersion heater
- ⌚ UK manufactured



	Halstock model	Units	HS305
Water	Capacity, nominal	litres	305
	Capacity with coil	litres	298
	Continuous output @44°CΔT	l/h	390
	Continuous output @50°CΔT	l/h	344
	Maximum working pressure, tank	bar	6
	Hydraulic test pressure	bar	9
Energy	Number of coils		1
	Lower coil output	kW	20
	Heat up time @50°CΔT, lower coil only	min	54
	Upper coil output	kW	N/A
	Heat up time @50°CΔT, top coil only	min	N/A
	Heat up time @50°CΔT, combined coils	min	N/A
	Recovery time 70% @50°CΔT, combined coils	min	38
	10 min peak output @50°CΔT	litres	361
	Coil max operating temperature	°C	100
	Coil max operating pressure	bar	3
	Upper coil tube diameter	DN	NA
	Upper coil surface area	m²	NA
	Lower coil tube diameter	DN	DN20
	Lower coil surface area	m²	0.75
	Reheat total delta T 50°C lower	mins	38
	Reheat total delta T 50°C both	mins	N/A
	Standby losses	kW/24hr	1.77
	ErP efficiency rating	-	C
Immersion	Immersion heater option, power	kW	3
	Immersion heater option, phase	ph	1ph
	Heat up time, Immersion only	hour	5.8
	Recovery time, Immersion only	hour	4.1
Misc.	Expansion vessel size	litres	24
	Weight empty	kg	75
	Weight full	kg	379

Every effort has been taken to ensure the details are accurate. Hamworthy Heating does not, however, guarantee the accuracy or completeness of any information nor does it accept liability for any errors or omissions in the information. Hamworthy Heating reserves the right to make changes and improvements which may necessitate alteration to product specification without prior notice.



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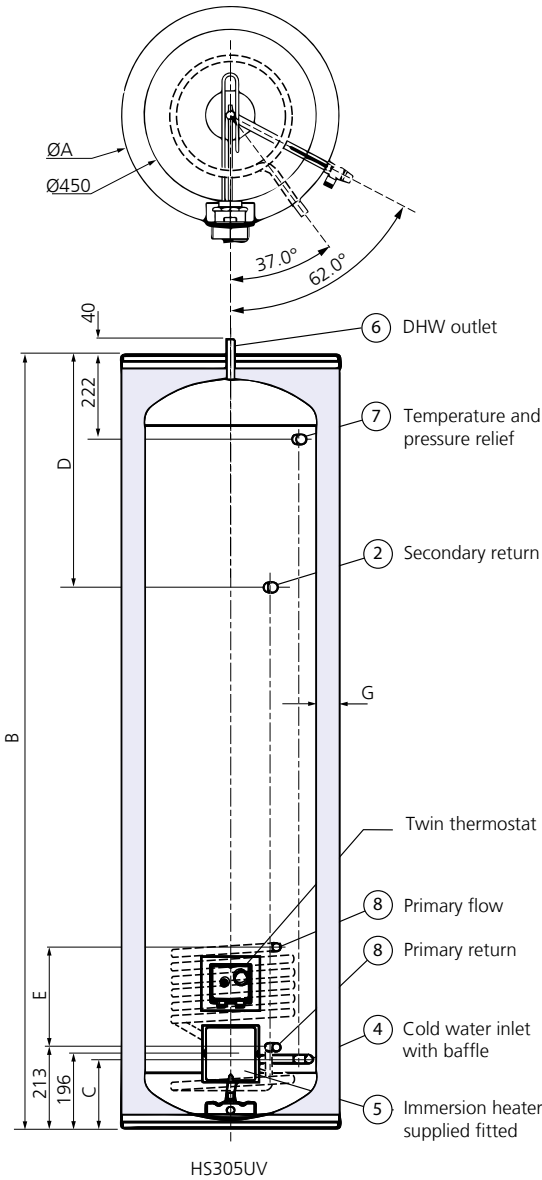
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Dimensions



Note: All dimensions in mm unless otherwise stated.

Calorifiers																	
Models	Dimensions (mm)							Connections (BSP Female)									
	A	B	C	D	E	F	G	1	2 & 3	4	5	6	7	8	9	10	
	Dia.	Height	Inlet	2nd Return	Bottom coil centres	Top coil centres	Insulation	Aux port input	De Strat	Inlet	Immersion	Outlet	T&P	Top Coil Ø	Bottom Coil Ø	Drain	
305	570	2028	182	610	262.5	NA	60	½"	22mm Stub	22mm	1¾"	22mm	½"	NA	22mm Stub	None	