

Technical submittal

Products: **Halstock calorifier HS400/HS400UV**

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	HS400/HS400UV
Water	Capacity, nominal	litres	400
	Capacity with coil	litres	396
	Continuous output @44°CΔT	l/h	527
	Continuous output @50°CΔT	l/h	464
	Maximum working pressure, tank	bar	6
	Hydraulic test pressure	bar	9
Energy	Number of coils		1
	Lower coil output	kW	27
	Heat up time @50°CΔT, lower coil only	min	53
	Upper coil output	kW	N/A
	Heat up time @50°C ΔT, top coil only	min	N/A
	Heat up time @50°CΔT, combined coils	min	N/A
	Recovery time 70% @50°C ΔT, combined coils	min	36
	10 min peak output @50°CΔT	litres	481
	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	DN25
	Lower coil surface area	m²	1
	Reheat total delta T 50°C lower	mins	36
	Reheat total delta T 50°C both	mins	N/A
Immersion	Standby losses	kW/24hr	2.35
	ErP efficiency rating	-	C
	Immersion heater option, power	kW	6
Misc.	Immersion heater option, phase	ph	3ph/1ph
	Heat up time, Immersion only	hour	3.9
	Recovery time, Immersion only	hour	2.7
Misc.	Expansion vessel size	litres	35
	Weight empty	kg	105
	Weight full	kg	505



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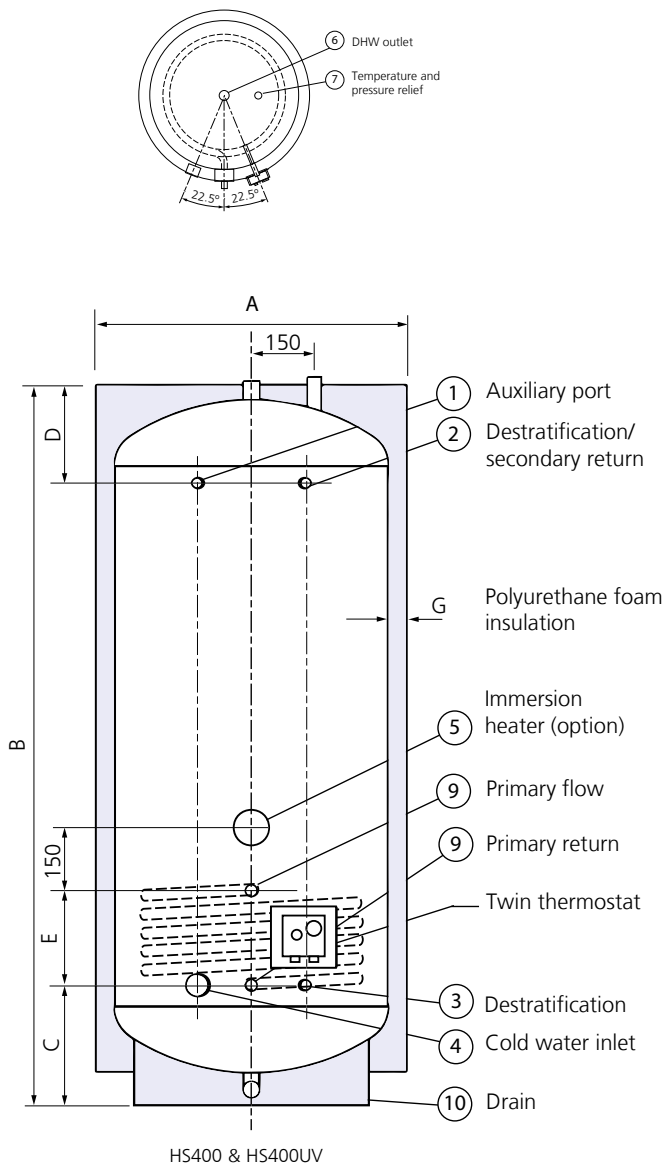
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Dimensions



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	
	400	750	1430	286	234	225	NA	50	½"	22mm Stub	1"	2¼"	1"	¾"	NA	28mm Stub	1"