

# Technical Data

Parameter	Units	Halstock Model (Open-vented/Unvented)				
		HS305UV	HS400/400UV	HS500/500UV	HS810/810UV	HS965/965UV
Capacity, nominal/ capacity with coil	litres	305/ 298	400/ 396	500/ 496	810/ 803	965/ 958
Continuous output <sup>1</sup> @44°C ΔT/ @50°C ΔT	litres/ hour	390/ 344	527/ 464	527/ 464	1055/ 929	1055/ 929
Coil output	kW	20	27	27	54	54
Heat up time <sup>2</sup> , coil only	min	54	52	66	54	60
Recovery time <sup>3</sup> , coil only	min	38	36	46	37	44
10 min peak output <sup>4</sup>	litres	361	481	582	974	1131
Coil max operating temperature/pressure	°C/ bar	100/ 3	100/ 3	100/ 3	100/ 3	100/ 3
Coil tube diameter	DN	DN20	DN25	DN25	DN25	DN25
Coil surface area	m <sup>2</sup>	0.75	1	1	2	2
Standby losses @65°C	kW/24hr	2.5	2.9	3.3	4.0	4.3
ErP efficiency rating	-	C	D	D	D	D
Maximum working pressure, tank	bar	6	6	6	6	6
Hydraulic test pressure	bar	9	9	9	9	9
Immersion heater option, power/phase	kW/ ph	3 1ph	6 3ph/1ph	6 3ph/1ph	9 3ph	12 3ph
Heat up time, Immersion only	hour	5.8	3.9	4.9	5.3	4.7
Recovery time, Immersion only	hour	4.1	2.7	3.4	3.7	3.3
Expansion vessel size	litres	24	35	35	50	80
Weight empty	kg	60	95	105	155	170
Weight full	kg	354	495	605	965	1135

1. Estimated coil output based on 80/60°C primary flow and return @ 20litres/min flow rate.

2. Estimated heat up time based on continuous maximum coil output and water ΔT of 50°C.

3. Estimated recovery time based on heating 70% nominal water volume.

4. Estimated 10 min peak output calculated based on 10°C supply 60°C output.