

Portico Library

Architect: Purcell
Issue Status: **S4 – Suitable for Stage Approval**

TABLE 1 OF 3: INSTANTANEOUS WATER HEATERS

REF	APPLICATION	DESCRIPTION/TYPE	IMAGE	LOCATION	DUTY	CAPACITY	MANUFACTURER & REF (NOTE 1)	DIMENSIONS W X D X H (MM)	POWER SUPPLY V/A/PH/HZ	NOTES / ACCESSORIES
IWH01	Hot water to 1 wash hand basin	Electronic instantaneous water heater		Below wash hand basins as shown in layouts ending DR-P-20100	5.5 kW	-	Zip InLine ES6 Code : ES6	187 x 87 x 135	230V/ 24/1/50	IP rating 25 Outlet temperature set to 38 °C
IWH02	Hot water to kitchenette/ cleaner’s sinks Hot water to 3 wash hand basins	Electric water heater with storage		Below kitchenette and cleaner’s sinks, and below a row of 3no. wash hand basins, as shown in layouts ending DR-P-20100	2 kW	14.9 litres	Zip Aquapoint 3 Code: AP3/15	350 x 310 x 480	230/8.7/1/50	IP rating 24 Outlet temperature set to 50 °C RE-HEAT TIME 0hr 29min To be installed with AQ2 expansion vessel – see Table 3
IWH03	Hot water to shower	Electronic instantaneous water heater		In changing places room as shown in layouts ending DR-P-20100	18 kW	-.	Zip InLine DCXNEXT 18	239 x 96 x 468	380-400V/26/3/50	IP rating 25 Outlet temperature set to 40 °C

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TABLE 2 OF 3: HOT WATER STORAGE

REF	APPLICATION	DESCRIPTION/TYPE	IMAGE	LOCATION	DUTY	CAPACITY	MANUFACTURER & REF (NOTE 1)	DIMENSIONS W X D X H (MM)	POWER SUPPLY V/A/PH/HZ	NOTES / ACCESSORIES
HWC.01	Hot water for Kitchen	Hot water storage tank with direct electric heating elements		Kitchen	2 no. 10kW immersion elements	450 L Tank	Adveco - EES 120 Or similar	ø710 x 1620	230/13/1/50	Heat up time to 60°C is 570 min

TABLE 3 OF 3: IWH ANCILLARY EQUIPMENT

REF	DESCRIPTION/TYPE	MANUFACTURER & REF (NOTE 1)	LOCATION	NOTES / ACCESSORIES
AQ1	Pressure and temperature relief valve (7bar/90°C)	ZIP – AQ1	Connected to IWH pipework	Varipoint supplied with AQ1
AQ2	Expansion Vessel and check valve	ZIP – AQ2	Connected to IWH pipework	
AQ4	Thermostatic blending valve complete with 2 check valves (temp range 30-65°C)	ZIP – AQ4	Connected to IWH pipework	

Notes

- Contractor to ensure that the catalogue number is consistent with the description prior to order.
- All variable speed fans to be inverter controlled. Manufacturer to provide individual inverters for each.
- All equipment to be selected to ensure that the total harmonic distortion is less than 15%.
- To be read in conjunction with MFLLP specifications and all relevant drawings.

Rev	Date	Status	Description	Engineer	Project Leader
P01	09/07/2025	S4	Suitable for Stage Approval	JA	IS