



Design specification information certificate

System information: Mrs Thorne

Address: Lane End Cottage, Brimpton Lane, Brimpton Common, Reading, Berkshire, RG7 4RF

General: Water treatment design to treat variable water quality based on data provided by water testing certificate. Manganese, Nitrate, Total Hardness and bacteria.

All water treatment installations should be monitored and checked regularly. The service requirements will be dependent upon this monitoring but the below is an initial guide. Water tests should be undertaken regularly.

Whenever the system is broken into for any maintenance a basic chlorination should be undertaken.

Date Installed: 8th March 2018 – E.sybox Mini booster pump, Ecomix-A unit, filtration and ultraviolet water treatment
25th July 2019 – Undersink RO unit

Treatment Cascade	Specification/ flow rate/ dose rate	Service requirements	Re-order code
E.sybox mini variable speed booster pump	Capacity up to 80 l/min; head up to 55 m		Contact FWT Ltd
20" sediment removal pre-filter housing	20micron spun filter	If the pressure drops then the cartridge may need to be replaced. <u>Unless changed previously change annually.</u>	FC-S-20-20
12-52 Ecomix-A Unit with Clack control head	30 litres/min	Top up brine vessel with salt and ensure it is being used. This unit should be checked at annual service or if monitoring indicates a problem	CH-SA-25 If purchasing locally then please ensure that tablet salt is used. Contact FWT Ltd

20" sediment removal filters installed in parallel	2 x 5-micron spun filter cartridges	If the pressure drops then the cartridges may need to be replaced. Unless changed previously change annually.	FC-S-05-20 x2 FA-ST-SEA x2
Saphir 3 ultraviolet unit	40litres/min at recommended UV dose rate of 40mJ/cm ²	Check unit is functioning regularly. Change lamp and seal annually. Ensure quartz tube is cleaned or replaced if damaged	UV-SEA-SAP UV-LSE-25X UV-SQ-25
10-54 Nitrate removal unit	33.3 litres/min	Top up brine vessel with salt and ensure it is being used. This unit should be checked at annual service or if monitoring indicates a problem	CH-SA-25 If purchasing locally then please ensure that tablet salt is used. Contact FWT Ltd
4 stage undersink reverse osmosis unit	Capable of producing 50 gallons/day	If the pressure drops then the cartridge may need to be replaced. RO recommended service is every 6 months..	FC-CB-05-10 FC-RO-050-12 FC-RO-CPO Check with TN as I believe there may also be a standard spun 10" filter (there should be 4 stages)

FWT offer a courtesy reminder service and we will contact you as the units require their annual service.

As part of the annual service we would recommend that the pressure vessel is also checked.

If peak flow rates have not been measured, then an estimate based on the information provided has been used in the specification.