

BASIC MAINTENANCE

Reverse Osmosis Water System

Installation Date:

Serial Number:

We recommend that you follow these simple maintenance steps to ensure you RO system will provide you with an uninterrupted supply of purified water for your practice.

1) DAILY

Start of the day:

- Run waterline for 30 seconds to purge stale water from tubing.
- Check the RO unit for any flashing lights or beeping from the digital display – the TDS level needs to be below 10 (‘inorganic’ reading)
- Check your RO unit for any water leaks – report to manager immediately

End of the day:

- Turn OFF mains water feed to the RO – this will prevent any unexpected leaks when surgery is empty



2) QUARTERLY

Test your water quality for bacterial contamination (‘organic’ reading) with TVC dipslides

- Run the RO water for 30 seconds (dispensing valve or tap)
- Using a TVC dipslide, remove cap, dip in water for 10 seconds, replace cap and allow to incubate for 1 week.
- Fill in the log sheet
- If a dipslide shows any red dots, report to your manager or contact: technical@cleancert.co.uk

3) ANNUALLY

Under normal circumstances, we recommend changing all cartridges once per annum

- Change all 5 filter cartridges on the RO unit
- Change large blue DI cartridge (Hard water model only)

4) HOW TO CHANGE RO FILTER CARTRIDGES

This process can be easily completed in 30 seconds without tools.

- a) Turn off mains water coming into the RO on the appliance tap (as you would at the end of the day)
- b) Turn off valve on RO storage tank valve, so it's 90 degrees to tubing
- c) Open dispensing point (valve or tap) to release any water in the system
- d) Now open RO unit by sliding back black plastic panel and then release white panel with 2 clips at the top on the same side.
- e) Have a piece of cloth on hand to mop up up any residual water in the RO
- f) Remove the old filters from the RO unit by simply twisting the filter anti-clockwise, taking note of which number cartridge goes in each slot – it is important not to mix them up (green= sediment- 1, blue= carbon- 2, red= carbon- 3, purple= membrane- 4, yellow= Di- 5)
- g) Unwrap the new filter, remove the black lid and replace the new cartridge by simply twisting onto the unit, clockwise.
- h) Turn on water
- i) Close RO storage tank valve
- j) Flush through the cartridges for 1 minute
- k) Open tank valve and let the tank fill up (typically 30 – 45mins in a 12lt tank)



5) HOW TO CHANGE BLUE DI CARTRIDGE (EY30810)

- 1) Turn off storage tank valve,
- 2) Turn off mains water coming into RO unit,
- 3) Open tap and empty RO and Di of any residual water,
- 4) Finally disconnect push-fittings on blue Di tank (by pushing collar in and pulling pipe out at the same time)
- 5) Replace with new cartridge. Ensure tubing is pushed in tightly and flow direction is correct by ensuring water flows in direct of arrows on top of Blue DI. IMPORTANT - Do not remove red clips!

6) HOW TO RESET ANY FLASHING LIGHTS ON TDS DISPLAY

Press Zero button for 5 seconds.

7) HOW TO DECONTAMINATE THE RO SYSTEM IF BACTERIA READINGS ARE SHOWING ON DIPSLIDE:

Firstly contact technical@cleancert.co.uk for further investigation

If Cleaning is suggested see video on You Tube (search for: decontaminate RO cleancert)

Please visit our website: www.CleanCert-hygiene.co.uk where we supply a Biofilm Cleaning Kit (Ref: EY90200-ST) and 'CleanCert Dual action biofilm remover/dental water line cleaner' (BFCEP50), which will resolve the issue.

Instructions for this process can be found on: [YouTube-CleanCert](#)

If you have any further questions please feel free to contact the technical team on:

08443 511115 / technical@cleancert.co.uk

www.cleancert-hygiene.co.uk

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