

XIONLITE_{RO}

WATER PURIFICATION SYSTEM

**Instruction
Video**



X-ION LITE RO

Front Features

- 40" Reverse Osmosis (RO) Membrane Housing – Reduces dissolved solids and contaminants.
- 6L De-Ionising (DI) Resin Tank – Polishes water to 0 TDS for a spot-free finish.
- DI Tank Outlet – Provides purified water for cleaning applications.
- Splitter Selector – Allows switching between RO-Only mode and RO/DI mode.



Rear Features

- Quick Connect Fittings – Enables fast and secure hose connections for inlet, waste, and purified water outlets.
- Dual Pre-Filters: 10in Sediment & 10in Carbon
- Brass Gate Valve – Controls the waste-to-pure water ratio for optimal performance.
- RO-Only (Bypass) Outlet – Provides RO-filtered water before the DI stage for high-production needs.



X-ION LITE PLUS RO



Front Features

- 40" Reverse Osmosis (RO) Membrane Housing – Reduces dissolved solids and contaminants.
- 6L De-Ionising (DI) Resin Tank – Polishes water to 0 TDS for a spot-free finish.
- DI Tank Outlet – Provides purified water for cleaning applications.
- Splitter Selector – Allows switching between RO-Only mode and RO/DI mode.



Rear Features

- 12v Pump with Pressure Gauge and Anderson plug to connect power.
- Quick Connect Fittings – Enables fast and secure hose connections for inlet, waste, and purified water outlets.
- Dual Pre-Filters: 10in Sediment & 10in Carbon
- Brass Gate Valve – Controls the waste-to-pure water ratio for optimal performance.
- RO-Only (Bypass) Outlet – Provides RO-filtered water before the DI stage for high-production needs.

Important Safety & Usage Warnings

Please read before operating your X-ION Lite system:

Never fully close the waste valve. This increases backpressure and can overload or damage the pump.

Do not run the pump under heavy or maximum load. Always restrict waste flow gradually.

Keep the pump as cool as possible during use. On hot days, keep it in the shade or cover it with a breathable pump cover.

The pump is not waterproof. Protect it from rain, overspray, and standing water. Do not store outside where exposed.

Never block the flow of pure water at the brush. If you need to pause, either let the water run or shut off the system.

Use 12mm(ID) Delivery Hose and 10mm(OD) Pole Tube for best flow.

Using 8mm(ID) delivery hose with only the X-ION LITE PLUS RO is possible but it does put more load on the system.

These steps are essential to protect your pump, preserve membrane life, and maintain your system's warranty.

Unpack/first look:

- **Unpack unit and inspect for any damage during shipping.**
- **Report any damage or missing parts as soon as possible.**

First filtration use:

- **Attach all hoses to the system,**
- **Water supply to the side mounted Inlet**
- **Hose for waste water dispensing**
- **Pole Hose or Hose reel to Di tank Outlet**
- **Turn on water supply, make sure the waste valve is fully opened (turned anti-clockwise)**
- **Leave the system to flush approx. 5 mins, with valve fully opened.**
- **After 5 mins you can start decrease the waste flow.**

Note: This 5 Minute procedure only needs to be carried out once, use this opportunity to check for leaks and to familiarise yourself with the unit. This is best done before your first job.

Using the system

- Connect water supply, turn on water and gradually close the waste valve until pure water starts flowing.
- Closing the Waste Valve fully is not recommended, however a small relief hole will allow some waste water to continue to flow.

NEVER FULLY BLOCK THE WASTE OUTLET

This will block your membranes and significantly shorten their lifespan

Doing this will **VOID** your warranty.

- With all hoses and brush connected. Gradually decrease the waste flow until you have optimal water flow coming from your brush jets.
- Once the job is complete, open the waste valve fully to flush impurities from membranes. When the waste water TDS level is similar to the supply water TDS, your flush is complete. Doing this will ensure your membranes will last a long time.

Maintenance

- It is important to monitor the TDS levels often, this is to keep the system running without leaving spots on the glass.
- When final TDS level rises to more than 020ppm it is time to change resin. If TDS is equal or more than RO TDS, the resin needs changing.
- Pre filter cartridge needs to be changed every 3000L

Resin change:

- To remove the vessel from its bracket, loosen the black strap holding the tank. Disconnect the Quick Connect hose fitting.**
- Unscrew the tank head and carefully remove the riser tube and head assembly.**
- Use water to suspend and pour out the old resin into a mesh bag to let excess water escape and rinse the inside of the tank and the riser tube/head assembly.**
- Inspect the tank head seals for any damage, replace if needed.**
- Insert the riser tube and put the filling funnel in place - Fill the tank with fresh Mixed Bed resin to around 95%. You can put water into the tank to help the resin settle down to fit more in.**
- Check the tank head and tank opening thread does not have resin in the threads, rinse if needed. Carefully screw the tank head back in place. Dont overtighten, snug is enough.**
- Install the vessel in its bracket, connect the hose, and retighten the black strap.**

Pre filter change:

- Change the Carbon filter Every 2000L, or more often for water sources for high chlorine contents.**
- Change Sediment filters as needed, they will typically turn a brown colour gradually from the outside to the centre, a quick visual check will show if it needs changing.**
- Unscrew the clear body of the prefilter housing.**
- Remove the used pre filter cartridge.**
- Install the new Sediment or Carbon Filter.**
- Screw the clear filter housing back in place. Only tighten by hand.**

RO membrane change:

The RO membranes will last for approximately 2+ years with proper operation and maintenance.

If you have any questions, contact us at -

Email: helpdesk@windowcleaningworld.com

Phone: 02 8005 4200

**Thank you for choosing
X-ION**