

XIONLITE^{RO}

WATER PURIFICATION SYSTEM





Front View

1x 40" Reverse Osmosis Housing & Membrane

6L De-Ionising Resin Tank

Di tank Outlet for Single Operator



Rear View

**Quick connect fittings for
Inlet, Waste & Purified water outlet**

**Dual inlet pre filters - Sediment &
Carbon**

**Brass gate valve for waste water flow
control**

Unpack/first look:

- **Unpack unit and inspect for any damage during shipping.**
- **Please 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**
 - **Switch on water supply, make sure the waste valve is fully opened (rotate valve knob anti-clockwise)**
 - **Leave the system to flush approx. 10 min, with valve fully opened.**
 - **After approx. 10 min you can start decrease the waste flow.**
- Note: This 10 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.
- The Waste valve can be closed completely, however a small amount of water will still exit the outlet as a small hole has been drilled in the gate valve. this is to prevent the user from completely blocking the waste 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 hose and brush connected. Gradually decrease the waste flow until you have optimal water flow coming from your brush jets.
- When 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 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**

