

WEC Series



# Whole-house Saltless, Tankless, Electric Water Treatment System



# New WEC saltless, tankless, electric water treatment system

The WEC softens water and removes contaminants, protecting your homes pipes, appliances, and plumbing fixtures with treated water that's great for skin, hair, washing clothes and dishes.

This appliance-style compact, whole-house, high-efficiency, eco-friendly unit is easy to install, needs very little maintenance, and never needs salt; saving your back, time, and money.

The innovative WEC is a practical water treatment solution for you, your family, and the environment.



\*This product reduces the concentration of hardness minerals but does not necessarily produce soft water, defined as having <1 gpg hardness.



reddot winner 2023

# What is TDS?

Total dissolved solids (TDS) are simply the minerals, salts, metals, and other tiny particles dissolved in your home's water. They're invisible, but their presence can noticeably impact your daily life. When TDS levels get too high, practical problems can occur like unpleasant tasting drinking water, cloudy or discolored ice, and residue that builds up on dishes, fixtures, and inside your plumbing and appliances.

Although a high TDS reading alone doesn't automatically mean your water is unsafe, it could indicate other contaminants worth investigating. By managing TDS with the WEC, you're proactively protecting your comfort and your home's infrastructure while potentially saving money in the long run.



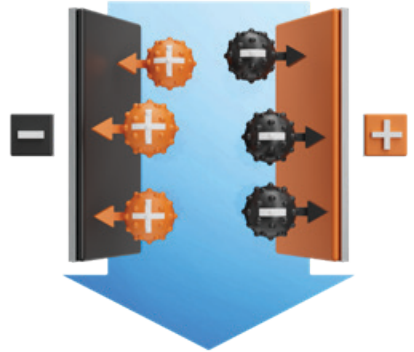
# How the WEC works

The process is a two phase system

## Phase 1: Adsorption

(The accumulation of a substance on a surface)

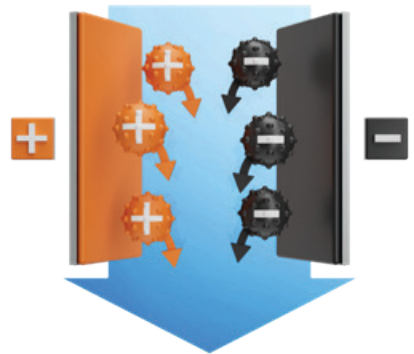
Water enters a module and an electric current is applied. Adsorptive membranes within the module attract positive and negatively charged contaminants which stick to the membranes as the filtered water flows out to a fixture.



## Phase 2: Regeneration

(The process of re-forming or renewing)

Regeneration happens when the membranes are saturated with contaminants. Reversing the polarity of the electrical current releases the contaminants from the membranes, allowing them to be flushed from the module through the wastewater line.



The proprietary WEC NDI dual-module design enables continuous on-demand filtered water without interruption during regeneration

# The whole value-added package

Great benefits for the whole house and family



- Included with every WEC: NaviLink Lite™, Sediment Pre-filter & Post Carbon Block filter, wrench, brackets, adapter clips, and installation kit
- Compact appliance-style design for easy install
- Easy to use controls, and remote control via smart phone or tablet
- Protects your home's expensive appliances, surfaces, and plumbing system

## Sediment Pre-filter and Post Carbon Block (C/B) filters are included with all WEC units



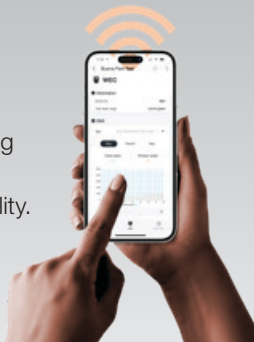
Sediment Pre-filter removes larger suspended particles, down to 10 microns.

Post Carbon Block (C/B) filter removes fine particles, and improves odor.



## Wi-Fi remote control

WEC comes standard with NaviLink Lite™, which enables real-time Wi-Fi data monitoring of daily water usage, and incoming/outgoing water quality.



**WEC works with tank, tankless, and heat pump water heaters, as well as combi-boilers**



The WEC not only works well with most water heaters, it also protects the units internal waterways and piping.

# Better water for everyone and everything in your home

Salt-free with significantly reduced total dissolved solids, delivers an optimized water experience anywhere in the home.



Salt-free, economical, and eco-friendly with no harmful wastewater.



Protects pipes, appliances and plumbing fixtures by reducing scale built-up.



Great for hair, skin, cooking, and washing clothes.



Reduces water-spotting on all surfaces, glassware, dishes, and silverware.



Advanced electro-membrane technology removes contaminants.



On demand whole-house water treatment without regeneration downtime.



Built-in automatic self-cleaning Clean-In-Place (CIP) technology for minimal maintenance.





# WEC...the ultimate water treatment system for new or existing homes

The Navien WEC electric saltless water treatment system has been engineered to work well with new or existing plumbing systems. The WEC's compact design has a small footprint and fits nicely in most residences.

To learn more about the innovative WEC system, contact your local Navien dealer or visit [navieninc.com](http://navieninc.com).

