

# Technology & Patented

## DARC System

Sol valve & Motor type

Realizing the water cell system that does not require cleaning function

Patented technology realizing the system that eliminates 'cleaning' step of the technical limitation of the conventional electrolysis type water ionizer, automatically cleans water by switching electrodes at each time using an water ionizer and changes the flow path so that alkaline water continuously comes out.



### Sol Valve type

Water cell with the switching device of water ionizer (No. 0308448)

## MARC System

Patented technology that perfectly prevents the phenomenon of scale occurring at the electrodes of water cell due to the cleaning by switching of electrode at each use, maximizing the life span of electrodes



### Motor type

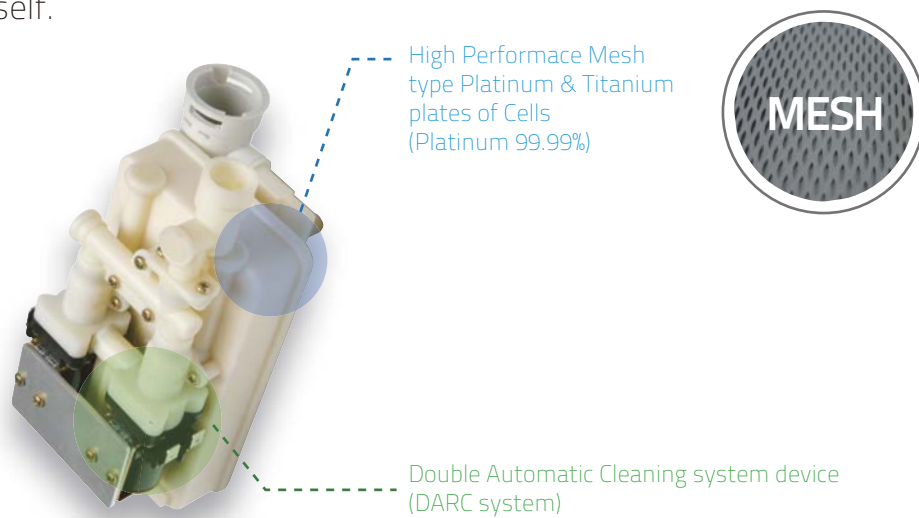
Switching valve of water ionizer (No. 0370510)



# Automatic Cleaning system

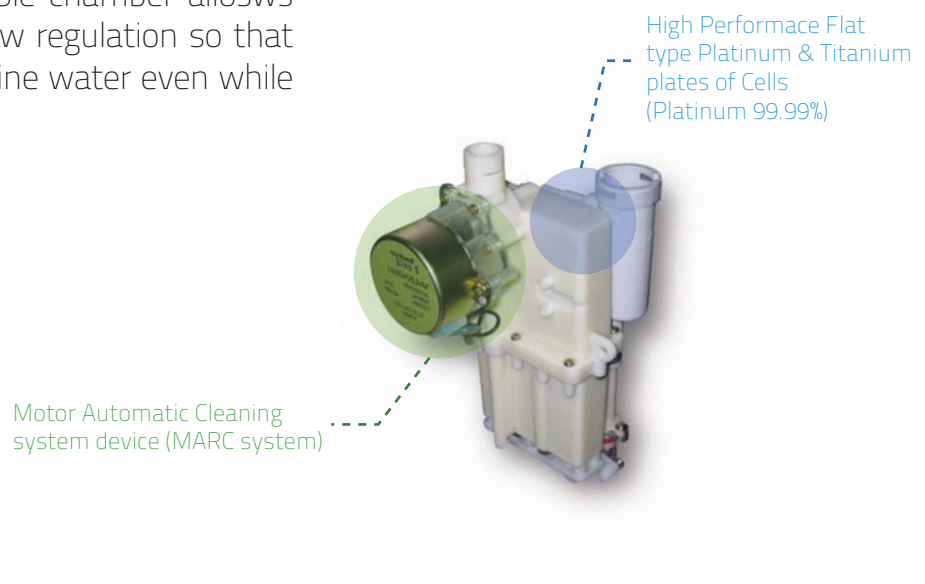
## DARC System Double Automatic Reverse Cleaning system Sol valve & Motor type

The DARC system is an automatic cleaning device which completely removes the calcium build-up from the water ionizer chamber and electrode which acts to extended the life of the chamber itself.



## MARC System Motor auto matic reverse cleaning system

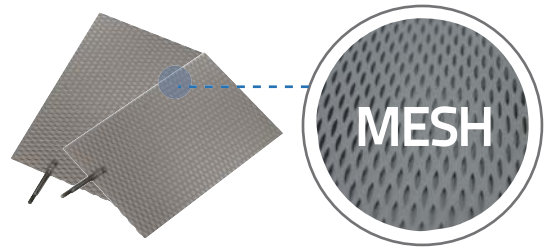
We realize it is inconvenient to not be able to use your water ionizer while in its clean cycle. Our new patented reversible chamber allosws for an automatic water flow regulation so that you can always enjoy alkaline water even while your ionizer is cleaning



# Automatic Cleaning system

## Performance of Electrodes

One of the things we have done to improve our electrolytic cells was to cover our plates with titanium mesh. The increased surface area of the mesh increase the electrolytic potential of our water cells which makes the ORP of the water very high.

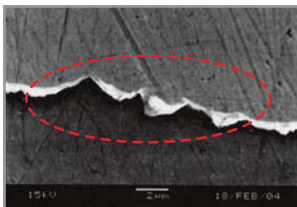


## Features of IONIA MESH electrodes

In their latest models are five of the most advanced platinum-titanium electrodes in the world. When a cross section of an electrode is examined at 700 times magnification, you can see that the electrodes are now covered in a super fine mesh with very distinct points and valleys. This greatly increases the surface area without having to increase the size.

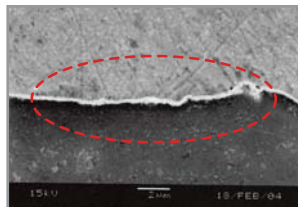
We guarantee that no other models, regardless of price, will produce under similar conditions, such a high and low pH or ORP (Oxygen reduction Potential).

IONIA Electrodes SEM Image

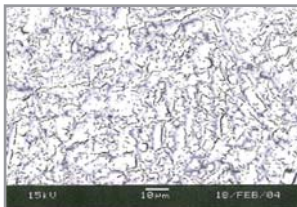


X 7000 Zoom  
(Electrodes)

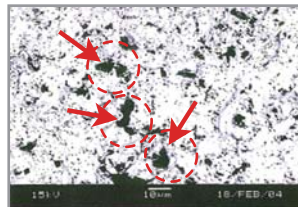
Other Electrodes SEM Image



The plate surface is very rough so the rate of area very large better than other plates.



Platinum on  
the plates  
X 1000  
Zoom



Our plates have full platinum by spray method but other company plates have not enough to attach the platinum on the plates

