



ROX

E-water,
a revolutionary
cleaning aid



HOSHIZAKI

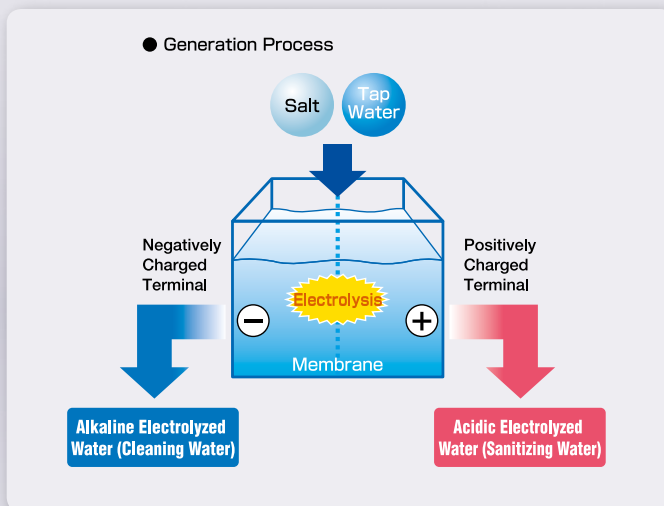


HOSHIZAKI

Who ever thought that simple tap water could be turned into one of the most effective means of cleaning with antibacterial qualities to compare with the best detergents? The product is called E-water and Hoshizaki can provide this revolutionary cleaning aid with a range of ROX machines.

The chemical process of creating E- water

A machine developed by Hoshizaki using electrolysis via a cathode and anode to turn tap water into Alkaline and Acidic water. Salt is an essential ingredient in the process and this is provided by the salt water tank. In addition a water softener is required in the water supply to the machine to ensure best quality water.



The basic principle is that at the Anode, chlorine gas reacts with the water to produce Hypochlorous acid. As a result the water from the anode has a pH of 3.0 or less (acidic water) with available chlorine of 20-60mg. The Hypochlorous acid (HClO) is up to 80 times more effective than chemicals and the chlorine generated is non residual, so will not remain on foods etc.

At the cathode, water decomposes and becomes hydrogen and hydroxyl ions. Sodium hydroxide is generated with a pH typically of 11.0 (alkaline water) and of course sodium hydroxide is found in soap products.

Cleaning and sanitising

Alkaline and acidic water have two main functions within the cleaning process. Alkaline water dissolves proteins and oil. Acidic water is effective in sanitizing and bacteria control. So for example, by first washing a cutting board with alkaline water removes any oil or grease and then followed by acidic water sanitizes the cutting board. Remember acidic water is up to 80 times more effective compared to a chemical.

In the food service industry, the applications for E-water and consequential reduction of chemical use with benefits to the environment are too long to list here. Typical applications of cleaning and sanitizing are common to every establishment from floors, work surfaces, cooking utensils, hands, fryers, toilets, machinery, refrigerators and of course food itself.

Using ROX can even help to prevent food poisoning! When the work surface, utensils and the food itself is washed with E-water there is a reduced chance for bacteria to survive. Since it does not leave any residue behind it will not affect the quality or taste of the food in any case.

By using either alkaline and then acidic water or either separately, almost every cleaning and sanitation application can be completed safely and chemical free!



- No need for chemicals (save costs).
- More effective than the average chemical.
- No residue is left behind.
- Not harmful for the human body.
- Environmental friendly.
- One year warranty



ROX-10WB-E

The ROX-10WB-E unit requires little space and can be mounted on the wall above the sink. The water softener and the salt tank can be placed underneath the sink.



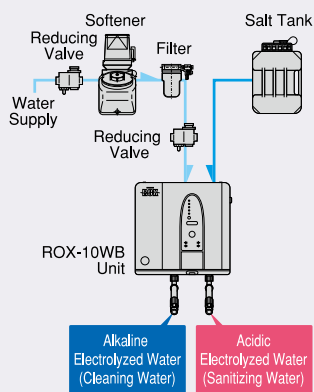
ROX-20TB-E

The remote controller of the ROX-20TB-E unit can be mounted on the wall above the sink, the rest of the unit can be placed underneath the sink.

Model	ROX-10WB-E	ROX-20TB-E
Production capacity	Acidic Water: 0.7-1.5 ltr./min. Alkaline Water: 0.7-1.5 ltr./min.	Acidic Water: 1.5-3.0 ltr./min. Alkaline Water: 1.5-3.0 ltr./min.
Exterior dimensions (mm)	w 350 x h 185 x d 340	w 280 x h 400 x d 310
Exterior	Painted steel sheet-polyester powder paint, ABS plastic	Stainless steel, galvanized steel (Polyester Label)
Weight	15 kg	22 kg
Electric consumption	200 W	340 W
Power supply	1 Phase 100-240V 50/60Hz	1 Phase 100-240V 50/60Hz
Temperature range	Ambient temperature: 5-35°C Water temperature: 5-30°C	Ambient temperature: 5-35°C Water temperature: 5-30°C
Electrolysis system	Membrane electrolysis	Membrane electrolysis
Electrolyte	Salt which contains a minimum of 99% Sodium Chloride	Salt which contains a minimum of 99% Sodium Chloride
Production quality	Acidic Water: Approx. pH 3.0 or less Available chlorine: 20 ppm or more Alkaline Water: Approx. pH11.0 or more	Acidic Water: Approx. pH 3.0 or less Available chlorine: 20 ppm or more Alkaline Water: Approx. pH11.0 or more
Water supply	Tap water with a water pressure of 0.1-0.75MPa (22-109PSIG)* *A reducing valve is included in the package.	Tap water with a water pressure of 0.1-0.75MPa (22-109PSIG)* *A reducing valve is included in the package.
Water softener	Required	Required

Piping Diagrams

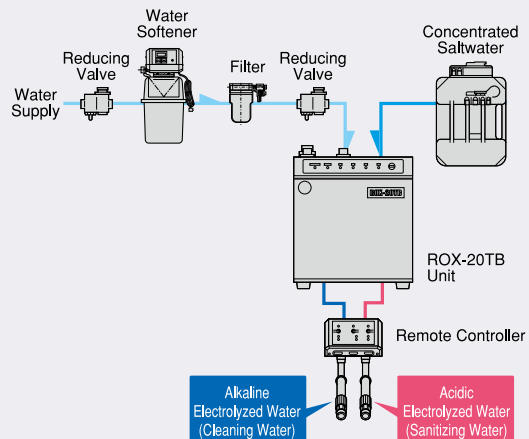
Direct Output



※ Replace alkaline (cleaning water) and acidic (sanitizing water) electrolyzed water nozzles in accordance with duration of operation.

Piping Diagrams

Direct Output





Water softeners

To optimise the quality of the water the use of a water softener is required.

	Models	Operation	Maximum capacity at 200 ppm	Dimensions in mm (wxdxh)	Site requirements
Low water use 0 - 500 ltr / day	EUROC-3	Automatic	850 ltr	170 x 340 x 480	220V 50Hz 1,5 - 5 bar 0 - 40°C
High water use 500 - 2000 ltr / day	EUROC-10	Automatic	3000 ltr	316 x 559 x 673	220V 50Hz 1,5 - 5 bar 0 - 40°C
Very high water use max. 3000 ltr / day	EUROC-15	Automatic	4500 ltr	316 x 559 x 1006	220V 50Hz 1,5 - 5 bar 0 - 40°C

For more information please do not hesitate to contact us, we will be glad to answer any questions and explain ROX in further detail.



HOSHIZAKI

Hoshizaki Europe B.V.
Lemelerbergweg 51
1101 AM Amsterdam
The Netherlands
Tel. +31 (0)20 6918499
Fax +31 (0)20 6918768
E-mail sales@hoshizaki.nl

Hoshizaki United Kingdom
(UK, Ireland)
2 Marquis Business Centre Royston
Road Baldock, Hertfordshire SG7 6XL
United Kingdom
Tel. +44 845 456 0585
Fax +44 146 249 9080
E-mail sales@hoshizakiuk.co.uk