

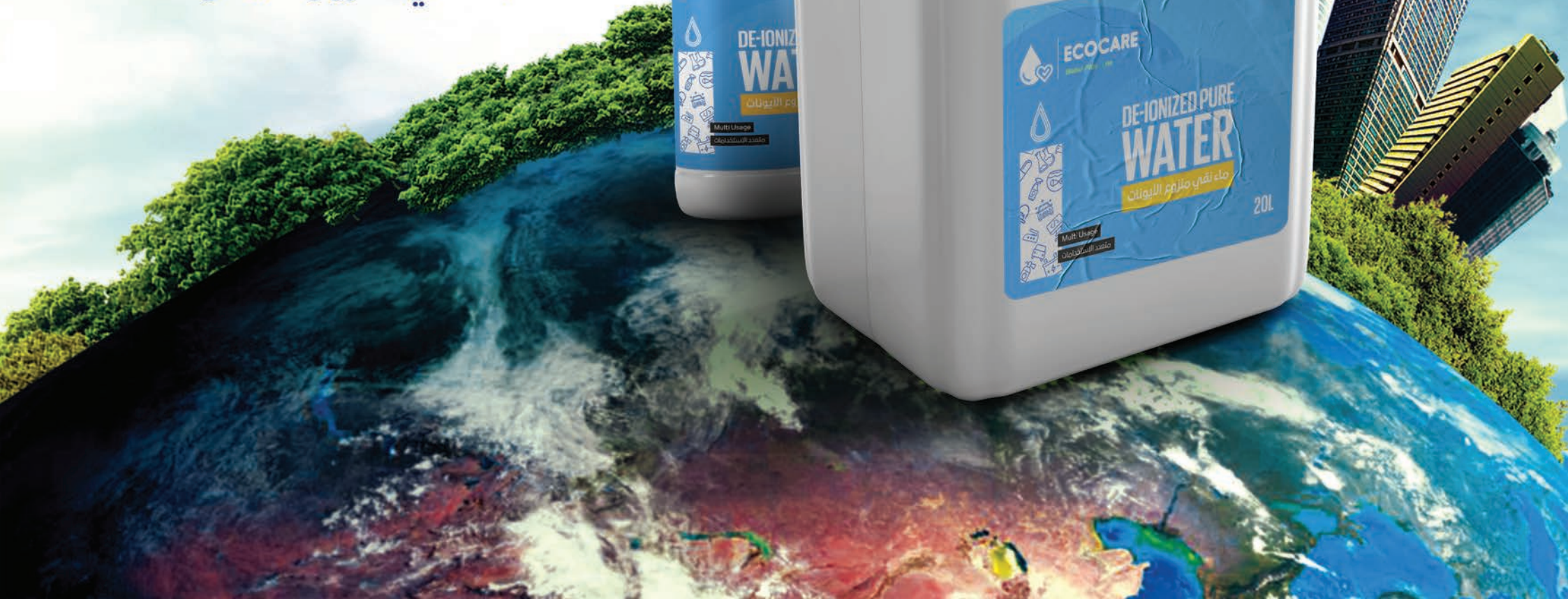


ECOCARE

Water Plus O_2ne

Deionized Pure water

ماء نقى منزوع الأيونات





WHAT IS DEIONIZED PURE WATER?

It is water that has been mechanically filtered or processed to remove impurities and make it suitable for use! Distilled water has been the most common form of purified water, but, in recent years, water is more frequently purified by other processes including capacitive deionization, reverse osmosis, carbon filtering, microfiltration, ultrafiltration, ultraviolet oxidation, or electrodeionization. Combinations of a number of these processes have come into use to produce water of such high purity that its trace contaminants are measured in parts per billion (ppb) or parts per trillion (ppt) Known as purified /Deionized Water.

USES OF DEIONIZED PURE WATER



Science
and engineering laboratories.



Semiconductor
Industries



Lead-acid batteries
used in cars and trucks and for other applications.



Pharmaceutical
Industries



Automotive
cooling systems.



Window cleaners
using water-fed pole systems



PC water-cooling systems
and Laser Marking Systems.



Appliances that evaporate water
such as steam irons and humidifiers.



As a rinse after washing cars
windows, and similar applications, Deionized Pure water dries without leaving spots caused by dissolved solutes.



Freshwater and marine aquariums.
Since it does not contain impurities such as copper and chlorine, it helps to keep fish free from diseases, and avoids the build-up of algae on aquarium plants due to its lack of phosphate and silicate.



Water-fog fire-extinguishing
systems used in sensitive environments.

Unique uses of Deionized Pure water:

Deionized Pure water (sometimes mixed with methanol) has been used to extend the performance of aircraft engines. In piston engines, it acts to delay the onset of engine knocking. In turbine engines, it allows more fuel flow for a given turbine temperature limit, and increases mass flow.

WHY DEIONIZED PURE WATER?

Deionized Pure water is water that has had almost all of its mineral ions removed, such as cations like sodium, calcium, iron, and copper, and anions such as chloride and sulfate. Deionization is a chemical process that uses specially manufactured ion-exchange resins, which exchange hydrogen and hydroxide ions for dissolved minerals, and then recombine to form ultra-pure water.

Other processes are also used to purify Eco water, including reverse osmosis, carbon filtration, microporous filtration, ultrafiltration, ultraviolet oxidation, or electro dialysis.



Deionized Pure water is the Perfect Merge between RO, Deionization, Physical & Nano filtration:

	Ca ⁺⁺ Mg ⁺⁺	Sulphate	NaCl	Physical impurities suspended particles	Organic material	Bacteria, viruses
DISTILLATION	++	++	++	++	+	++
DEIONIZATION	++	++	++	-	-	-
DEMINERALIZATION	++	++	-	-	-	-
PHYSICAL FILTRATION	-	-	-	++	-	-
BOILING	-	-	-	-	+	++
RO	++	++	++	++	+	+
NANO-FILTRATION	++	++	-	++	-	-

++ = very effective | + = effective | - = not effective

شركة العناية البيئية للصناعة

معقمات ومطهرات آمنة و غنية بالأكسجين

Eco Care is a unique Saudi Manufacturer dedicated for the production of a new generation of ecologically non-toxic antiseptic sanitizers and disinfectants based on Hydrogen Peroxide & Purified Water which are highly effective Against a broad spectrum of detrimental pathogenic microorganisms.

Eco Care provide the community with a wide range of products that has a healthy and friendly manner for people and for the environment, which reflects the basis of our company's culture, values and long-term thinking. We don't only make products We also create value for society which involves compliance with rules and regulations, and sustainability in which we make sure that our activities preserve the environment for future generations.



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