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Desalination - the process that removes certain amounts of salt and other minerals from non-consumable water by Jamesarmstrong2011

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Our world is made up of about 70% water. About 69% of that is sea water and itâ€™s completely non-consumable. Water engineers have found a way to turn salty sea water into pure drinking water. Using desalination RO systems, the water that once could not be used for consumption can now be made available for use.

Utilizing advanced technology, desalination lends itself to the future of water treatment and what it can do for our world. Sadly there are millions of people who live without clean potable water and have to make do with what they can find. Many of these people donâ€™t have proper access to clean water and they suffer greatly for it. Thousands of people die from water borne illnesses from unclean water every year. These systems are godsends as they take unhealthy, brackish, dirty water and turn it into potable drinking water suitable for human consumption and everyday use. Many countries and various regions around the globe are coming to recognize the benefits of having such units to clean their water.

Desalination is a process that removes certain amounts of salt and other minerals from non-consumable water sources using a process called reverse osmosis. In the case of sea water, which is extremely salty (42,000 ppm typically), desalination systems can take this kind of water and make it available and suitable for human consumption. In a standard desalination system water is passed through membranes of tightly coiled semi permeable layers removing various particles, minerals, and salt. Before this can happen, a pretreatment is usually required to remove any floating particles and organics from the water. After the water is processed and all the salt and non-consumable bits are removed, what is left over is pure clean drinking water.

Pure Aqua, Inc. is a renowned sea water desalination system manufacturer who designs and exports these unique systems around the globe. With the continued support and partnership with many industry known water treatment vendors, they strive to make desalination units and components energy efficient and affordable.

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