

## 6 main advantages of oxygen generator for water treatment



Although water covers 70 percent of the planet, the actual availability of fresh water is a scarce commodity. According to the World Wildlife Fund only 3 percent of the world's water supply is needed for human life, and two-thirds of that water is inaccessible. In our daily lives, we use water not only for consumption, but also for cleaning and irrigation.

The water left over from these processes is wastewater and needs to be treated before it can be safely used again. Often, in order to recycle our water for reuse, wastewater (used water containing contaminants) is recycled at a water treatment plant. Thankfully, overstretched water systems can now get a break thanks to the benefits of oxygen generators (PSA oxygen generators, oxygen equipment) at water treatment facilities.

How Oxygen Concentrators (PSA Oxygen Concentrators, Oxygen Equipment)  
Improve Wastewater Treatment

Wastewater takes an extremely long time to biodegrade. The biodegradation process is carried out with the help of bacteria. Without oxygen, the biodegradation process can lead to foul-smelling output and potentially harmful chemical reactions. With oxygen "feeding" the bacteria, the process greatly neutralizes the odor and negates the production of hydrogen sulfide and methane gas. In addition to these two overall benefits of treating water with an oxygenator, the following six additional benefits make the case for supporting water oxygenation self-explanatory

1. Low cost. The systems that produce oxygen are self-contained, which means that the endless bills for delivering oxygen produced at low temperatures are non-existent. These systems are also cost effective in terms of low energy use. The lower the energy demand, the less it costs you to run it.

2. Easy and fast. The process is quick to implement and in practice, and the subsequent supply of fresh water is more worth the effort than other methods.

3. Low maintenance . One person does not need technical expertise or complex training to perform maintenance on an oxygen generator (PSA oxygen machine, oxygen equipment) system. In addition to the basic maintenance and upkeep required for each machine, there is a low maintenance requirement.

4. No more high wastewater fees. Wastewater incurs its own costs, just like using clean water. The cost of treating wastewater drives up consumer bills. When the cost and output of the generator are low, it lowers the price of treating wastewater.

5. Low energy output is good for the environment. The quest to keep the use of traditional fossil fuels (natural gas, coal, etc.) to a minimum continues throughout the world. The less energy required for the process, the less negative impact on the environment.

6. Higher purity levels. Oxygen generators remove contamination from water compared to conventional methods. Oxygen generators (PSA oxygen machines, oxygen equipment) produce water with a purity of 95%, while oxygen containment systems are 99% pure.

When one piles the rewards of water oxidation with the drawbacks, the rewards far outweigh any potential costs. This clean, safe, simple and low-cost method will go a long way toward solving the current water shortage problem and will have a lasting impact on the future.

We at XITE are committed to helping you find the perfect water treatment system to meet your needs. Contact Seagate Suzhou today to learn more about our full selection of oxygen generators (PSA oxygen generators, oxygen equipment).

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