Fail-safe and space-saving ozone system

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In water treatment, ozone is the strongest oxidant. It reliably removes impurities and is not only highly effective, but also environmentally friendly. Its use produces significantly fewer environmentally harmful by-products than comparable technologies.

In drinking water treatment, ozone removes unpleasant odors and tastes. In wastewater, it removes trace substances such as drug residues and pesticides. In addition to oxidation, ozone is also used for disinfection, i.e. for the removal of germs. This is a big plus in many applications, such as aquaculture (rearing fish, mussels and crayfish) and the treatment of cooling and process water.

Concentrated power pack

The new DULCOZON OZLa ozone system from ProMinent is a powerful ozone generation system that saves a lot of space. Depending on the version, it generates between 380 and 6080 g of ozone per hour. At the same time, it requires up to 70 percent less space than conventional systems and can be easily installed on the wall. Maximum reliability

The system offers a high degree of fail-safety with minimal operating costs and can be equipped with up to 16 ozone generator modules. The modules can be controlled separately and operate independently of each other, which increases operational reliability. In the event of a failure, a backup module can be used.

Example: In drinking water treatment, all processes must run reliably and the systems must be fail-safe. The system meets these requirements particularly well with its separately controllable modules.

Conserving resources and saving costs

The oxygen and energy consumption of the plant automatically adjusts to the amount of ozone required. With an innovative water cooling system, significantly less cooling water is also required than with conventional ozone systems. This saves resources and reduces operating costs by up to 15 percent.

Ozone generator modules can be flexibly switched on and off as required. This allows the amount of ozone produced to be adjusted to fluctuations, such as in a wastewater treatment plant where a lot or little wastewater is treated at times. In this way, operating costs can be minimized.

The system is easy to operate with a touch display and can be monitored and controlled remotely by integrating it into higher-level control systems.