

THE PEAK-WTS

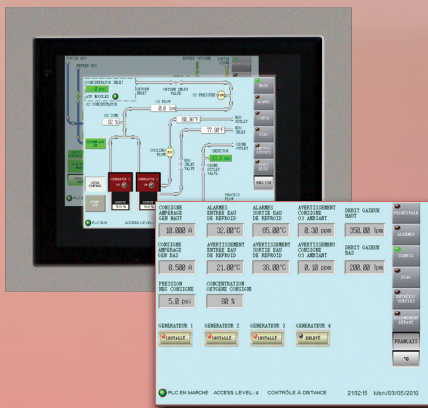
PEAK-WTS Water Treatment System



Compact Peak-WTS System Footprint



PEAK-WTS User Touchscreen



Complete Water Treatment Systems for Treating Municipal Water, Wastewater, and Process Water

Pinnacle's high efficiency **Peak Series** ozone generators are now available in process specific, skid configurations for water treatment applications. Designed for smaller commercial, industrial, municipal water, and process water applications, the compactly designed **PEAK-WTS** systems are skid mounted for easy placement and operation within your facility. The systems feature standard water, power and TCP/IP facility connections.

The systems are configurable for ozone outputs up to 120 lbs. per day (in 20 ppd QuadBlock® increments) and are matched to your process specification requirements. Operation and control of the system is accomplished through an easy to navigate, 12" touchscreen located on the front of the system. The touchscreen controls the complete setup of the system and monitors all system parameters (including max/min set points) for operation, system protection (i.e. temperature, O₂ concentration, low/high system pressure, customizable set points) and alarming to notify personnel in case of a malfunction or out of specification set point/reading.

Each **PEAK-WTS** system is matched to customer process specification requirements but most importantly can include a spare QuadBlock® buffer for redundant capacity. This vitally important feature enables process flow to continue if a QuadBlock® requires maintenance or suffers from decreased output during operation. Pinnacle calls this revolutionary feature process safety insurance (PSI) and here's how it works. First, each QuadBlock® continually checks itself by monitoring operating parameters to ensure they are within established specifications. Second, if the process parameters are out of range, the QuadBlock® will automatically reduce the power to the cell and prevent any hardware damage from occurring. Third, operating in parallel with system monitoring are notification alarms that are sent to facility or operations personnel for fault analysis of the QuadBlock® ozone generator(s). If so needed, a QuadBlock® replacement can be installed under 20 minutes.

Efficacy Testing - Pinnacle Ozone provides scientific efficacy testing of customer process water at our state-of-the-art Research and Development Laboratory in Eustis, Florida. This testing is done to assess local plant water chemistries and to determine the actual ozone demand of the water prior to sale and installation of the system. Determining the actual ozone demand and variable onsite conditions is critical in establishing the nominal system size and the redundant QuadBlock® requirement(s) per application.

The **PEAK-WTS** can be ordered in 20, 40, 60, 80, 100, 120 ppd configurations and can also include pump(s) that are required for the process. The system can include options such as ORP monitoring, Dissolved Ozone Monitor (DOM), or 4-20 mA control from your current SCADA system or other control equipment. Custom software design and integration into your company's SCADA systems is also available and something we are quite experienced in. The system photos above show a PEAK-40-WTS (only 2 of possible 6 QuadBlocks installed) utilizing an off-skid, customer provided water pump.

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