

# Silent, Rugged, Reliable and Cost Effective

The true quantum leap in Ozone technology.

## FEATURES

**Silent** - Zenith Series ozone systems operate above 20,000 Hz which is so quiet that only fan noise can be heard. All high system voltages are produced internally within the QuadBlock® housing. This results in no audible power transformer hum.

**Rugged** - Zenith systems are solid state constructed and digitally controlled. There are no "old technology" fragile glass tube components and our system control boards are finished with military grade coatings for protection against the environment.

**Reliable** - Zenith systems feature hardware and software diagnostics which continually monitor and adjust system parameters. If a high voltage or a high pressure spike occurs, the system automatically self adjusts and operates at maximum efficiency.

**Cost Effective** - Zenith systems feature power consumption rates that are the lowest in the industry. The US and Internationally patented QuadBlock® design limits distribution losses and features low water coolant consumption. The Zenith system requires a small footprint and minimal facility connections for operation.

## BENEFITS

**Small Footprint** - The Zenith system is 96" wide x 35" deep x 92" tall and arrives ready to connect water, oxygen, ozone, power and control. Load the system recipe via the large, intuitive graphic touchscreen for start up, testing and full automatic operation.

**Lowest Operational Costs** - Zenith operating costs are 15-30% lower per pound of ozone generated compared to other systems. Pinnacle achieves this efficiency through unique design as well as automatic adjustment of power (0-100%) in 1% increments to QuadBlocks when process demands change. Unlike other systems that continue operation at 100%, reduced output or with other inherent inefficiencies, the Zenith automatically reduces power to optimize and maintain process set point. This lowers power costs and the need for destroying excess ozone offgas.

**Low Maintenance** - The Zenith system requires no yearly maintenance except for fan filter changes. Easy to access components and self diagnostic programs continually monitor the system for faults. If a QuadBlock® fault occurs, a spare block can be turned on. The faulted QuadBlock® can then be replaced within 20 minutes.

**Self Diagnostics** always operate in the background. Technicians may use laptop computers to run diagnostic troubleshooting software locally or remotely.

**Factory Instrumentation & Control** - Everything to operate the Zenith system can be displayed on the touchscreen or via remote network system. Process control is input through ORP, Dissolved Ozone Monitoring (DOM) or 4-20 mA signal from ozone gas monitor. All hardware for Internet or Intranet system control and factory technical support is included.



**Zenith Series** ozone systems have been designed for larger municipal, commercial, and industrial applications requiring ozone to be delivered without deviation to set point or stoppage. The Zenith system features QuadBlock® modularity (20 lbs. of ozone per day/block) with up to ten QuadBlocks installed per Rack and up to three Racks per system (30 QuadBlocks total). Zenith systems include spare QuadBlock(s) redundancy without the requirement of a separate ozone system. **The systems are available in 20 ppd incremental configurations from 220 to 600 ppd @ 5% weight or 111 to 300 ppd @ 10% weight.**

The Zenith system features software that automatically adjusts the output of individual QuadBlocks to maintain system set point. If one QuadBlock® is found in a fault condition, the system adjusts ozone output in the remaining blocks while alerting service personnel of the fault condition. Each Zenith Rack can be isolated in fault condition.

Pinnacle Ozone has designed the most efficient and advanced integrated ozone system on the market today. Coupling Plasma QuadBlock® technology, silent 24,000 Hz operation, PLC control and an EZ touchscreen interface provides trouble free, reliable operation.

