



## K1 OZONE DISINFECTION SYSTEMS

### COMPACT AND COMPLETE PACKAGED SYSTEMS

K1 Ozone Disinfection Systems are compact products designed for quick and seamless integration into your water or disinfection system and process.

The K1 offers efficient production and delivery of 18-70g/h ozone with the latest performance and safety features. Designed for sanitary industrial applications, K1's are easy to integrate and automate with pharmaceutical, beverage & food, personal care and other industrial processes. K1's will arrive to the site fully commission and qualification ready for quick setup to perform disinfection and sanitization tasks with tanks or in-line processes.

High performance and simplicity for the most demanding ozone disinfection applications:

- Beverage Product Water Disinfection
- Storage and Loop Sanitization
- Surface and Product Disinfection
- O3-CIP and O3-COP Integration

### COMMISSIONING AND QUALIFICATION READY

Designed with proven performance characteristics using advanced instrumentation and software to manage ozone production, mass transfer efficiency, precision control, and monitoring and safety to exceed the most rigorous user requirements and specifications.



Model: Summit K1

#### Features

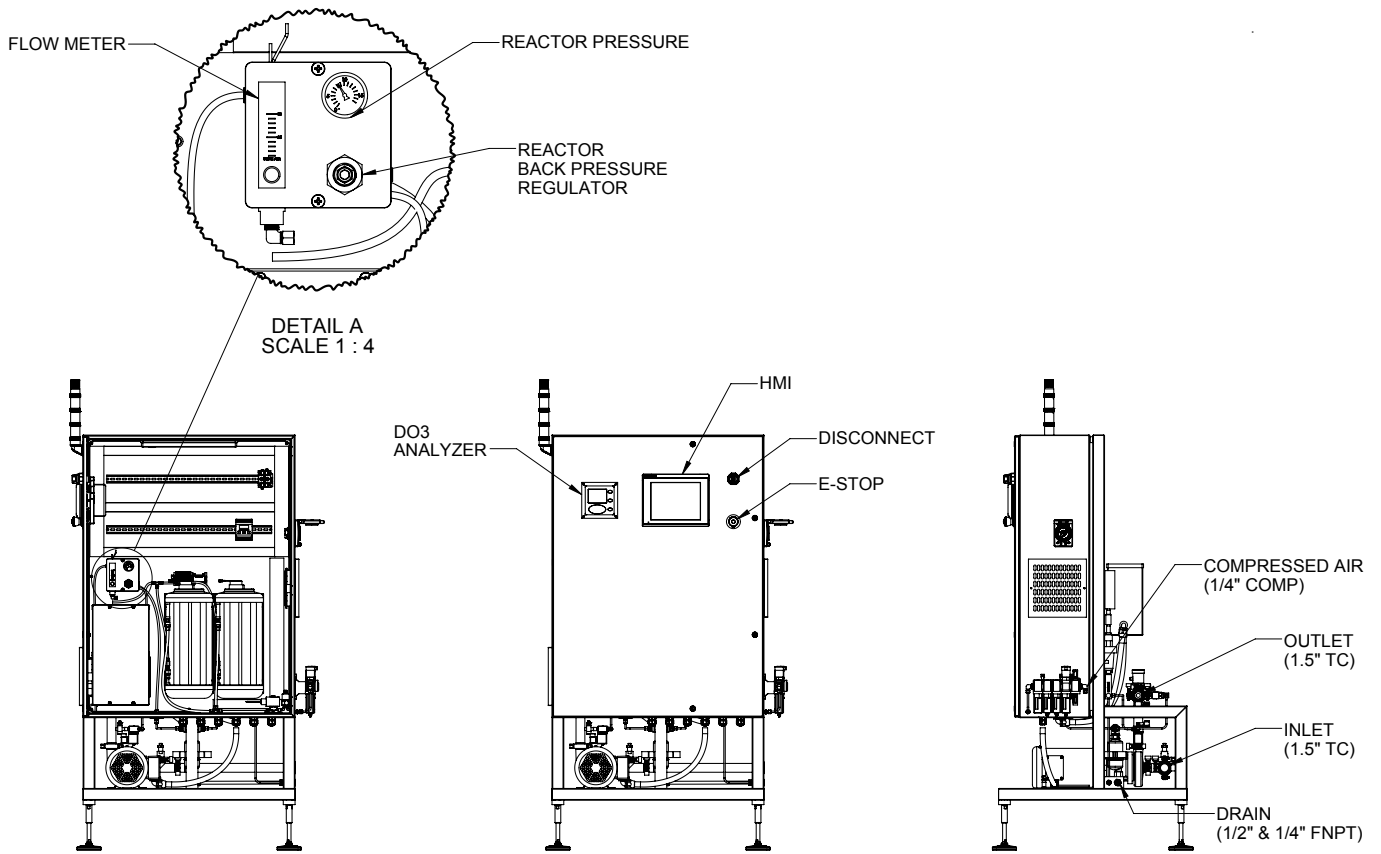
- Stainless Steel Construction
- Sanitary Design
- Efficient 18-70g/h Ozone Production and Delivery
- Easy-to-use Software and Large Touch Screen
- Precision Auto-dissolved Ozone Control
- Ambient Ozone Detector with Safety Interlock
- EtherNet/IP Network Ready

#### Benefits

- Low Operating Cost
- Compact Footprint
- Set It and Forget It Instruments
- Commission and Qualification Ready
- Simple Install and Integration
- Ideal for Upgrading Existing Systems

**Installation, operation and performance qualification are easily achieved with the K1 Ozone Disinfection System.**

**SIMPLE. PROVEN.  
OZONE TECHNOLOGY.**



# STANDARD CONFIGURATION AND CAPABILITIES

## Construction and Design

- Scalable Stainless Steel Construction
- Air-cooled Powertron™ FPT Ozone Generator
- NEMA 304 Stainless Steel Enclosure
- 304 Stainless Steel Frame
- PSA Oxygen Concentrators Onboard
- Auto-unified Pneumatics Package
- 316 Stainless Steel/PTFE Wetted Components
- Sanitary Pump, Injection System and Instruments
- Backflow prevention and Auto-Drain
- Sanitary Stainless Steel Feet/Anchor Plate

## Controls and Interface

- WaterReady™ Ultra-Control O<sub>3</sub> Software
- Ozone Process Trending
- Local/Remote Operation
- EtherNet/IP Ready
- Air Filtration Package Fully Integrated
- Auto-Start/Stop/Safety Purge Cycles
- Auto-precision Dissolved Ozone Control
- 10" HMI Touch Screen, Light Tower and E-Stop
- Ambient Ozone Detector Safety Interlock
- Dissolved Ozone Analyzer



# ADVANTAGES OF PACKAGED OZONE DISINFECTION SYSTEMS

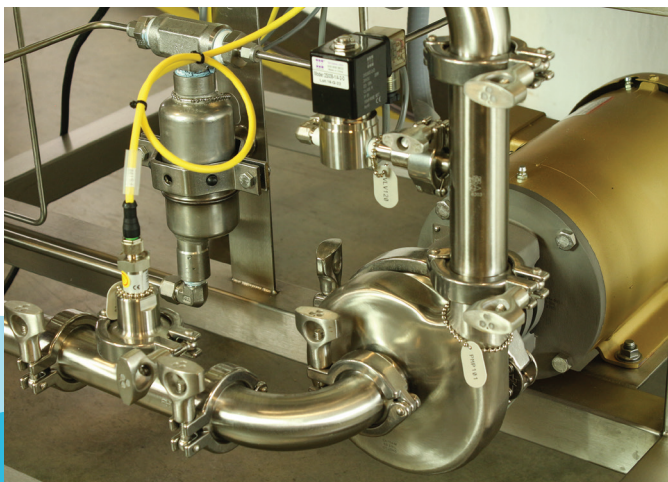
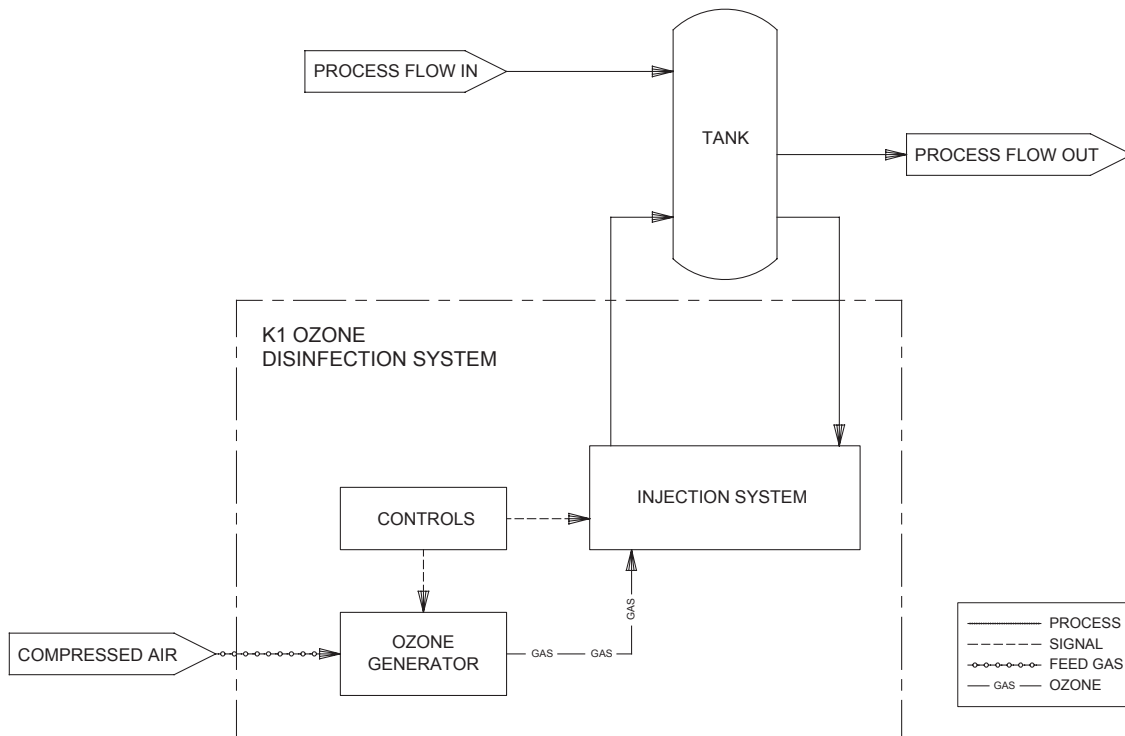
Packaged Ozone Disinfection Systems, exclusively from Pacific Ozone, are designed to control the variables inherent in oxidation processes to deliver maximum efficiency and ease of system operation and validation. Packaged Ozone Disinfection Systems are designed, tested and qualified for the most demanding industrial, mission critical processes.

All critical performance characteristics in the ozone process are measured with advanced software and feedback mechanisms for ease of operation and reliability.

The advanced and fully integrated monitoring and verification of all instrumentation and process parameters in real-time provides immediate information on the process to maintain the tightest operating requirements specifications.

**Sanitization and disinfection with ozone has been used for decades in pharmaceutical, beverage, food and water treatment.**

## TYPICAL CONFIGURATION WITH TANK



Sanitary design, back-flow prevention and process instrumentation are standard on all K1's.

## SUMMIT AND HORIZON PRODUCT FAMILIES

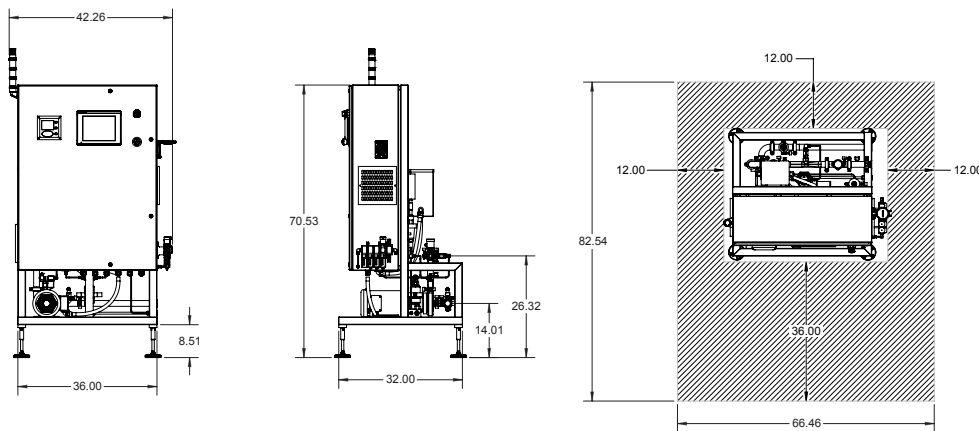
K1 Ozone Disinfection Systems are available in Summit and Horizon finishes.

**Summit** includes all stainless steel sanitary construction, stainless steel enclosures and our most advanced software capabilities

**Horizon** products include stainless steel sanitary design, painted-steel enclosures and our advanced software package.

**Ozone technology delivers the most powerful commercially available oxidant and disinfectant.**

### TECHNICAL SPECIFICATIONS



| Model     | O <sub>3</sub> g/h Production | Air@60psi Requirement | Water Inlet/Outlet | Max. Outlet Process Pressure | Power Requirement     | Dims               |
|-----------|-------------------------------|-----------------------|--------------------|------------------------------|-----------------------|--------------------|
| SA31ISXK1 | 18                            | 3cfm                  | 1.5"               | 30 psi                       | 3Ø,480V, 15A, 50/60Hz | 36"w x 32"d x 71"h |
| SA32ISXK1 | 36                            | 6cfm                  | 1.5"               | 30 psi                       | 3Ø,480V, 15A, 50/60Hz | 36"w x 32"d x 71"h |
| SA33ISXK1 | 54                            | 9cfm                  | 1.5"               | 30 psi                       | 3Ø,480V, 15A, 50/60Hz | 36"w x 32"d x 71"h |
| SA34ISXK1 | 70                            | 12cfm                 | 1.5"               | 30 psi                       | 3Ø,480V, 15A, 50/60Hz | 36"w x 32"d x 71"h |



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