



*Semiconductor  
Ozone  
Solutions*

# Cronus DIO3 Product

**Reduce DI Water Consumption While Improving Performance with SOS DIO3 Systems**

## Cronus Ozone Infusion System

Introducing Cronus, a revolutionary, plug-and-play replacement for the discontinued MKS Germany Liquozon XF and Liquozon 100 systems. Designed with a focus on ease of installation and enhanced performance, Cronus seamlessly integrates into your existing setup, allowing you to upgrade within hours.

<https://ozoneinfusion.com/product/cronus/>

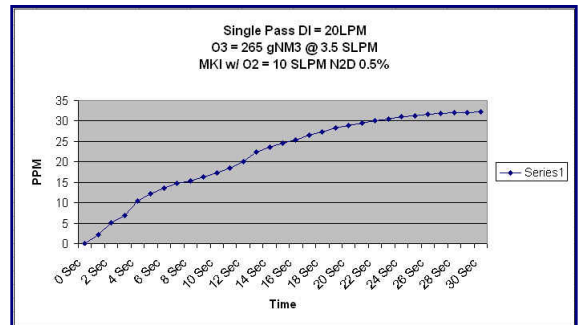
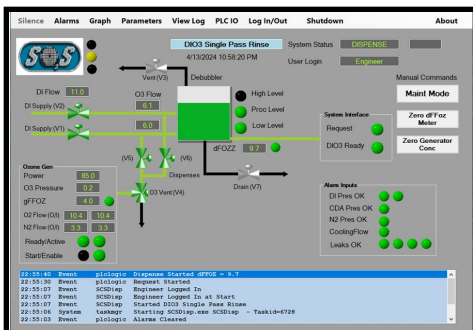
### Key Advantages of Cronus:

- **Identical Footprint & Compatibility:** Cronus mirrors the exact footprint, facility connections, and communication capabilities of MKS Liquozon 100 and XF models, ensuring no hardware or software changes are required.
- **Quick & Simple Installation:** With everything perfectly aligned, installation takes less than a day, minimizing downtime and operational disruptions. Water Efficiency: Experience up to 80% water savings, thanks to Cronus' rapid response to PPM setpoints.
- **Precision Performance:** Achieve 0-30 PPM in less than 30 seconds at 40 LPM under ambient temperature conditions. Flexible configuration options offer a range of 0-60 PPM with 20/40/60 LPM capabilities.
- **Cost-Effective:** Leverage existing Semozone 90.2 Ozone Generators to reduce overall costs and avoid costly requalification procedures. Cronus provides a lower-cost alternative without sacrificing quality.
- **Modern Technology:** Featuring a Windows 11 interface with a touchscreen display, Cronus provides real-time graphical process monitoring, delivering instant insights into system performance.



*DI Water Input = 30 - 50 PSI  
O3 Input = 250 g/NM3  
DI Flow Rate = 10- 60 LPM  
Temp = 5 - 30 C  
Gas Flow Rate = 3 - 10 slpm  
DI PPM Level = 5 - 60 PPM*

### Win 11 PC Touch Screen HMI



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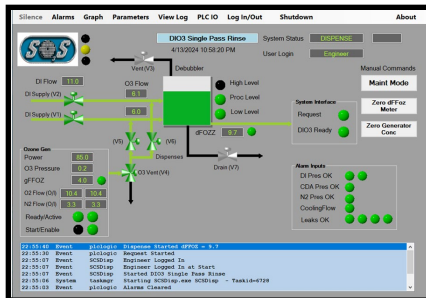
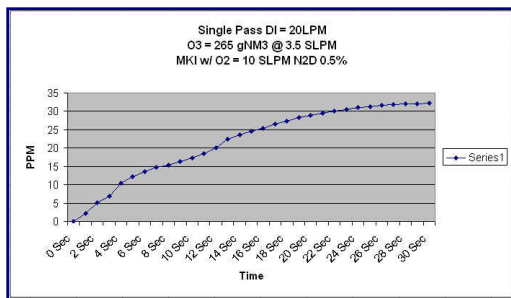
Phone 610-223-4000

Ozone concentrations of 30 PPM can be achieved in 30 seconds. This rapid response saves water and increases WPH productivity

## DIO3 Applications and Requirements

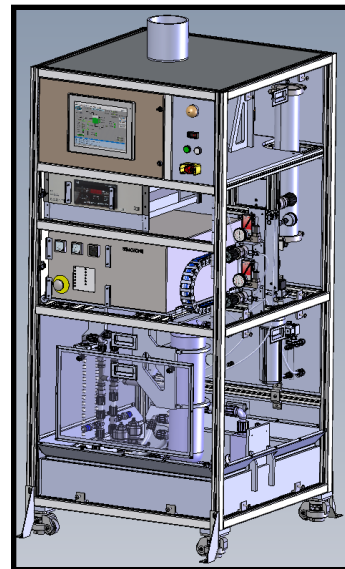
Built to be installed in series with the DI water flow path, these compact infusion systems contain very innovative design elements. Our hardware and software work seamlessly together to deliver DIO3 flows up to 60 LPM at 40 PPM. Utilizing a combination of infusion techniques with fluid blending to produce exceptional results. Our systems are configurable to deliver gaseous or bubble free DIO3 at levels between 5 and 60 PPM. The SOS hardware is designed to maximize O3 gas transfer efficiency and performance. Injection systems utilizes either a Windows 11 PC or PLC controller with touch screen interface. All of our systems arrive preconfigured and fine tuned to enable quick installation startup.

With Cronus, you're investing in a modern, efficient solution that outperforms the obsolete MKS Liquozon systems, offering the same convenience, at a lower cost, and with future-proof technology. For more details, contact us today to learn how Cronus can elevate your operational efficiency.



## Inside the Cronus

Utilization of the existing Semozone Ozone Generator lowers cost of the Cronus replacement system, while minimizing qualifications concerns.



All modern components. Designed with short lead time in mind. All parts selected have a delivery time of 12 weeks or less.



## CRONUS

- Less than 1/2 the cost of the MKS Liquozon replacement.
- Better performance
- Uses less DI water
- Utilizes far better software and Graphic Interface
- Modernized up to date components

Cronus is a "Plug and Play" replacement for the Obsolete Liquozon system. Installs in hours, not months.

