



Poseidon DIO3 Product

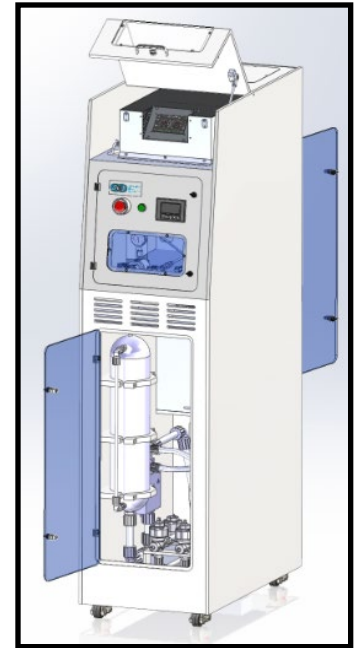
Reduce DI Water Consumption While Improving Performance with SOS DIO3 Systems

Poseidon Ozone Infusion System

Introducing Poseidon, a revolutionary, plug-and-play replacement for the discontinued MKS Germany Liquozon “single” DIO3 delivery systems. Designed with a focus on ease of installation and enhanced performance, Poseidon seamlessly integrates into your existing setup, allowing you to upgrade within hours.

Key Advantages of Poseidon:

- **Identical Footprint & Compatibility:** Poseidon mirrors the footprint, facility connections, and communication capabilities of MKS Liquozon “Single” model, 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 Poseidon’s rapid response to PPM setpoints.
- **Precision Performance:** Achieve 0-30 PPM in less than 30 seconds at 20 or 40 LPM under ambient temperature conditions.
- **Cost-Effective:** Poseidon utilizes a small air-cooled ozone generator sized appropriately for the delivery requirements. Poseidon provides a lower-cost alternative without sacrificing quality.
- **Modern Technology:** Featuring PLC or an optional Windows 11 interface with a touchscreen display, Poseidon provides real-time graphical process monitoring, delivering instant insights into system performance.

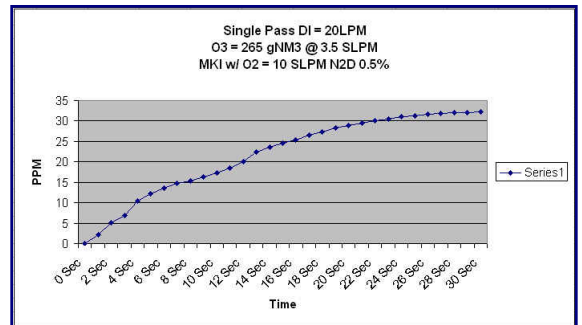
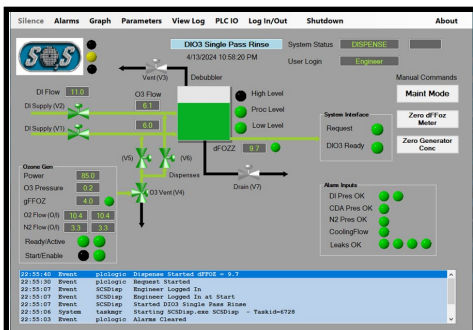


MKS Liquozon “Single” Replacement SP DIO3 System

Technical Data

DI Water Input = 30 - 50 PSI
 O3 Input = 250 g/NM3
 DI Flow Rate = 20- 40 LPM
 Temp = 5 - 30 C
 Gas Flow Rate = 3 slpm
 DI PPM Level = 5 - 30 PPM

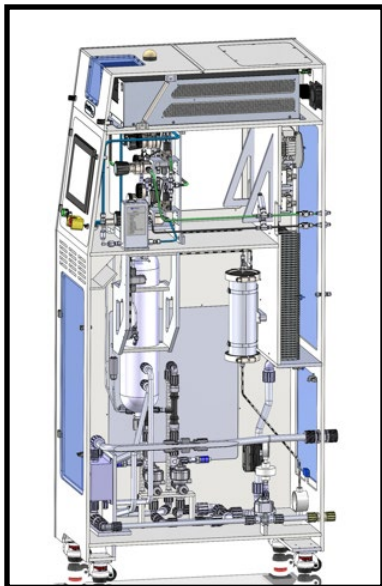
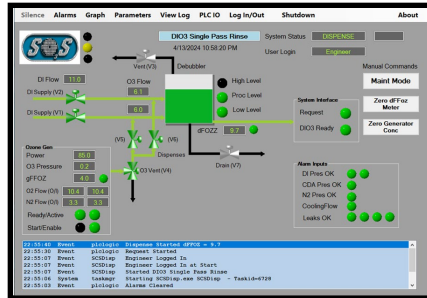
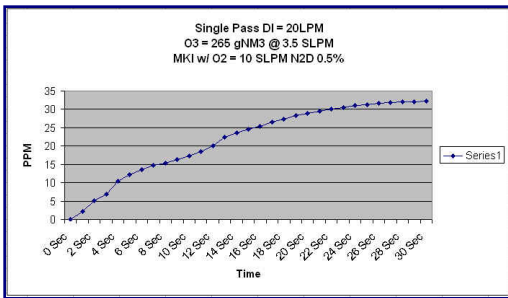
Win 11 PC Touch Screen HMI



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 40 LPM at 30 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 30 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 Poseidon, you're investing in a modern, efficient solution that outperforms the obsolete MKS Liquozon "Single" systems, offering the same convenience, at a lower cost, and with future-proof technology. For more details, contact us today to learn how Poseidon can be integrated in your facility.



Poseidon

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

Poseidon is a "Plug and Play" replacement for the Liquozon "Single" systems. Installs in hours, not months.

Inside the Poseidon

Utilization of a small air-cooled Ozone Generator lowers cost of the Poseidon replacement system.



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

