



48⁺ Years
Of experience

FREEZE DRYER



In Association with SVCH-Technologii, Moscow (Russia)

ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018

ABOUT US

KERONE is now renowned for serving the specialized needs of customers with the best quality and economical process of application engineering solutions and industrial heating products manufactured in a high-quality environment by a trained and qualified workforce (special purpose machinery)



KERONE is a pioneer in application and implementation engineering with its vast experience and team of professionals.



KERONE is devoted to serve the industry to optimize its operations both economically and environmentally with its specialized process engineering solutions.



KERONE is having immense expertise in manufacturing and implementing various types of engineering solutions.



KERONE is possessing employee strength of more than 280+ experts continuously putting efforts for happy industrial engineering solutions



48+ Years Manufacturing Excellence



Great Sale Support



Highly Customized Product



Adherence to Standards



Sound Infrastructure



Team of experts Delivering Quality



Timely Delivery



Cost Effective Solutions



WHY CHOOSE US

"Choose Kerone for innovative solutions tailored to your unique product needs, ensuring efficiency, reliability, and unmatched quality."

With decades of expertise, cutting-edge technology, and a customer-centric approach, Kerone Engineering offers tailor-made Applications Engineering solutions that prioritize quality, flexibility, and cost-effectiveness. Benefit from our commitment to excellence, post-sales support, and innovative solutions for your unique Applications Engineering needs. Choose Kerone Engineering for reliability, performance, and unmatched value.

MISSION



To enhance the value of customer operation through our customer need centric engineering solution.



We are committed to providing our customers with unique and best-in-class products in the industrial thermal processing segments. Through strategic tie-ups for technical know-how with renowned leaders in industry-specific segments, we ensure that our offerings meet the highest standards of quality and innovation.

VISION



Turn into a world leader in providing specialized, top-notch quality and ecological industrial heating, cooling, and drying solutions across the globe.



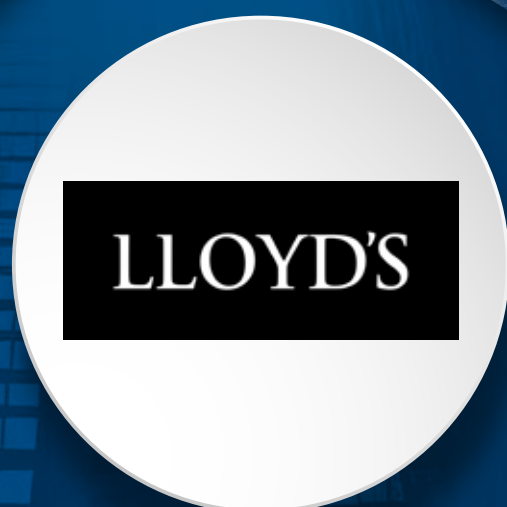
To attain global recognition as the best of quality and environment-friendly engineering solution company.



Enhance the value of customer operation through our customer need centric engineering solution.



TRUSTED PARTNERS





Freeze Dryer

Freeze dryers, also known as lyophilizers, are sophisticated machines designed to remove moisture from various substances while preserving their structure and integrity. This dehydration process involves freezing the material and then subjecting it to a vacuum, allowing the frozen water to transition directly from a solid to a vapor state, bypassing the liquid phase.

This innovative technology is widely employed in industries such as pharmaceuticals, food preservation, and scientific research to extend the shelf life of sensitive products. Freeze dryers play a crucial role in maintaining the quality of heat-sensitive materials, as the low temperature during the process prevents thermal damage.

The result is a lightweight, stable, and easily rehydratable product with minimal loss of nutritional or chemical properties. These machines are equipped with advanced control systems to monitor and adjust temperature, pressure, and drying time, ensuring optimal results. With applications ranging from preserving vaccines to producing high-quality instant coffee, freeze dryers have become indispensable tools in modern manufacturing and research.

Features

- Temperature Control
- Condenser
- Tray/Shelf System
- Programmable Controls
- Freezing Chamber
- Drying Chamber
- Vacuum System
- Pressure Control
- Monitoring Systems
- Defrosting System
- Door Sealing Mechanism

Advantages

- Preservation of Nutritional Value
- Extended Shelf Life
- Improved Flavor and Texture
- Reduced Weight and Volume
- Rehydration Properties
- Versatility
- High-Quality End Product
- Reduced Spoilage and Waste
- Minimal Damage to Heat-Sensitive Compounds

Application

- Food Preservation
- Pharmaceuticals
- Biotechnology
- Chemical Industry
- Diagnostic Reagents
- Biological Samples
- Space Exploration
- Cosmetics
- Archaeology and Conservation

Technical Specification

Model	KESL-3088	KESL- 3875	KESL- 4875
Ultimate Chamber Temp (atRT) (°C)	-55	-110	-80
Chamber Volume (L)	4	4	25
Trap (Chamber) Size (Ø x L)	165 x 202	165 x 202	305 x 355
ICE Condensing Capacity (kg)	3	3	8
Ice condensing performanceb (kg/day)	25	25	3
Digital Readout	Time, Temperature, Vacuum Pressure		
Function	Key lock, Defrost, Vacuum, Time		Defrost, Vacuum, Time
Built in Vacuum Pump	No		Yes
Power supply	AC 230 V, 50 Hz (AC 220-230 V, 50/60 Hz; 110 V optional)		
Power Requirement (KVA)	2 KVA	2.5 KVA	5 KVA

Can be customized according to user requirements.



THANK YOU

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