

„Engineering under high pressure“

Made in Germany

ZIRBUS
TECHNOLOGY



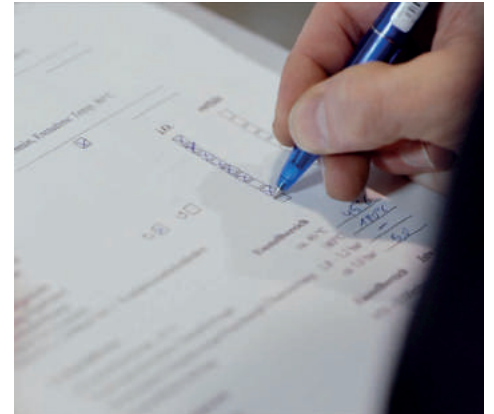
Autoclaves Freeze Dryers

Equipment for Lab, R&D, Pharma, Biotechnology
and Food Applications

Zirbus technology GmbH - Since 1984

ZIRBUS company - in house production progress

Construction - Welding - Mechanical assembling - Electrical assembling - Programming - Testing



Since its founding in 1984 ZIRBUS technology GmbH has gained an excellent reputation as a German manufacturer on the worldwide market. We not only manufacture autoclaves but also focus on process engineering. In the field of autoclaves and freeze dryers, a steadily growing clientele relies on our branded ZIRBUS device.



Certified quality

Implemented by ZIRBUS technology GmbH and practiced Quality Management (QM) system DIN EN ISO 9001 provides the framework for our quality and quality cost-oriented action. In addition, a risk management system is part of the QM system. ASME-PED Modul H-EN ISO 9001

ZIRBUS technology GmbH

Manufacturer of Autoclaves and lyophilizers

Hilfe Gottes 1
37539 Bad Grund/Harz
Germany

Phone: +49 (0) 53 27/83 80-0
Fax: +49 (0) 53 27/83 80-80
E-Mail: info@zirbus.de
www.zirbus.de

Rectangular chamber systems with separated condenser of 50-1.200kg ice capacity, up to 65m² shelf area application in production and pharmaceutical industry.



800kg / 56sqm production unit



Customized solutions:

- Pharmaceutical design with CIP/SIP, GMP, pizza door, isolator connection
- Biotech

All systems with two chamber system, condenser separated from drying chamber.
- GMP, SIP/CIP,ATEX, isolator connection available.

Production Bulk Freeze Dryers – EKS

One chamber system

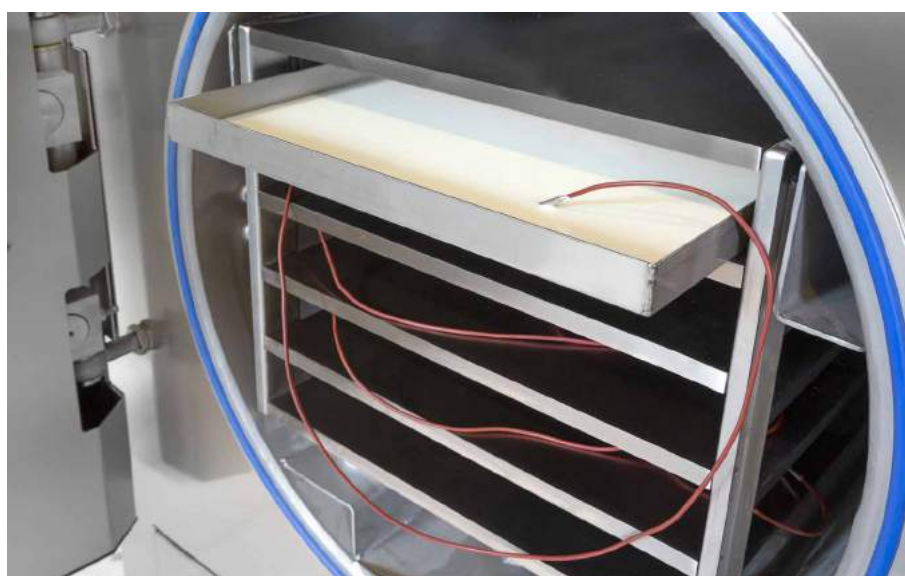
Round chamber systems with integrated condenser 10 to 500kg, up to 30m² shelf area. Simple design for competitive prices.



100 EKS Freeze Dryer



150 EKS Freeze Dryer



Sublimator EKS	10	30	50	100	150	300
Shelve area m ²	1,3	3,2	5,1	10,0	16,2	44,0
Ice capacity kg	15	45	75	150	200	450
Temperature ranges	Condenser -50°C or -75°C, shelves -40°C or -55°C					

The EKS Systems are specially for drying of food products. You can load non freezeed product and the EKS Freeze Dryer automatic freeze and dry the product.

Freeze Dryers EKS-R

One chamber system

Round chamber systems with integrated condenser 1 to 90m² tray area, up to 1.200kg ice condenser, heated radiation shelves.



10 EKS-R Freeze Dryer



50 EKS-R Freeze Dryer



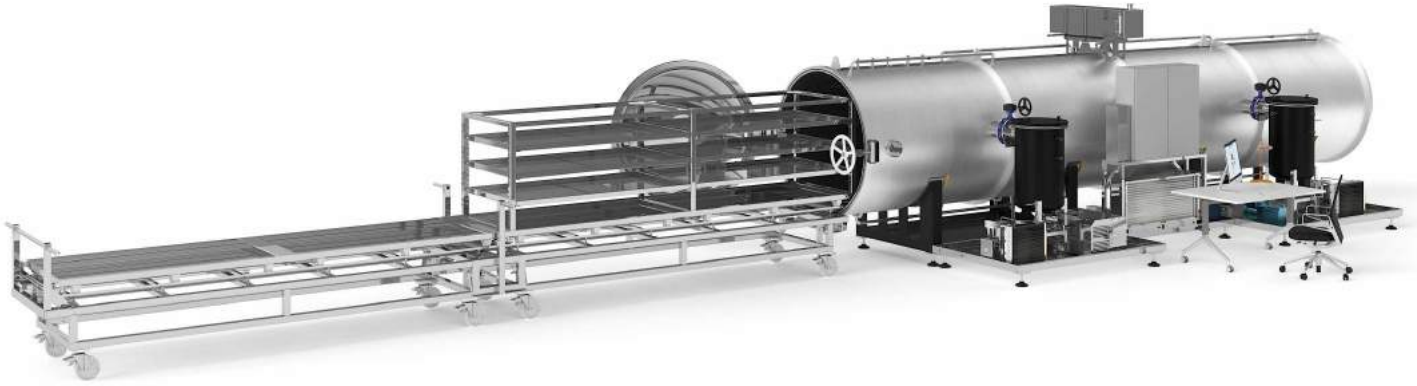
1.000 EKS-R Freeze Dryer

Sublimator EKS-R	10	30	50	100	150	300
Shelve area m ²	1,4	3,5	8,3	15,8	24,0	44,0
Ice capacity kg	15	45	75	150	200	450
Temperature ranges	Condenser -50°C or -75°C					

The EKS Systems are specially for drying of food products. At EKS-R versions are radiation heated shelves for constant heating.

Special Freeze Dryers

Application in automotive, conservation, restoration, file rescue and many more.



Drying chamber with diameter 1.50m, 8.0m length for archeological wood preservation

Serv Tec

Service

Availability, reliability and qualification are the conditions for one outstanding service. Training and regular training of our employees ensure that our service team is there for you quickly and conscientiously.

Hotline

Our technical hotline will help you with any questions regarding operation, plant or process engineering problems. We have a regular reaction time of max 24 hours.

Spare parts

Spare parts deliveries are processed immediately. Delivery usually takes place by next day.

Consultation

We advise you in your project and support you with our experience.



Our service includes:

- device and system planning
- delivery, installation, commissioning
- training and instruction of users
- maintenance work/contracts
- calibration of pressure and temperature sensors
- validation according to DIN EN ISO 17665-1
- execution and preparation of qualification documents (IQ/OQ)
- customer-specific process development and process optimization
- repair on site or in the factory Bad Grund
- conversion and modernization of old appliances
- carrying out the recurring examination
- order sterilization and wage drying
- VDE testing according to DIN

