

Freeze dryer -75 degrees celscius



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- [ADDITIONAL INFORMATION](#)

Freeze dryers of this series are designed for the laboratory or product development. Depending on the size of the unit, the free-standing units have an ice capacity of 5 to 40 kg and a footprint of up to 2.7 m². These units are equipped as standard with a vacuum valve for regulating the vacuum and a separating valve between the drying chamber and the condenser. In relation to the footprint, these units are characterized by a compact design. The cladding is made entirely of stainless steel and is therefore resistant to all commercially available disinfectants

Features

- Explosion proof design, solvent purge
- Water – cooled refrigeration system
- Visualization software
- Compact construction, only 980mm wide
- CIP (cleaning in place) – Spray nozzles mounted in the chamber and condenser ensure intensive cleaning.
- GMP-FDA compliant – Taking the guidelines into account, the systems meet the highest demands for production in compliance with cleanroom standards. The exact requirements are defined and implemented together with you
- Liquid-tempered shelves made of stainless steel – For an even and rapid temperature distribution, the shelves are flooded with brine oil.
- Closure device for vials – The shelves can be automatically moved together after the drying process to seal vials under vacuum conditions. The optimal preservation.
- Air or water-cooled refrigeration system – Depending on the installation site, we can design the refrigeration systems to be air-cooled or water-cooled.

- Wall mounting (gas-tight) – The front of the unit is installed gas-tight in a wall. This allows the service area to be separated from the production area.
- Oil-sealed and oil-free vacuum pump – If organic solvents are present, it may be useful to use an oil-free vacuum pump.
- Insulator- Glovebox coupling – The units can be connected to insulators via a connecting flange. Special designs are also possible.
- VerschControl systems, SCADA visualisation – We offer a variety of different visualisation and documentation systems.
- EX-protection version ATEX, solvent discharge – If explosive gas mixtures are present, the systems can be equipped with explosion protection.

Technical Specifications

Sublimator 40

Drying chamber dimensions (W x H x D)	700 x 700 x 850 mm	
Condenser capacity	30kg / 24h max. 40kg	
Condenser temperature	-50 oder -75°C	
Shelf temperature	980 x 1920 x 1650 mm	
System dimensions (W x H x D)	1500 x 1920 x 944 mm	
Shelf type	Tray drying	Vial drying

Shelf size	450 x 750 mm	450 x 750 mm
Shelf configuration (Number + radiation panel) / Shelves / distance between shelves	5+1 / 1,69 m ² / 100 mm 6+1 / 2,03 m ² / 80 mm 7+1 / 2,36 m ² / 67 mm 8+1 / 2,70 m ² / 57 mm	4+1 / 1,35 m ² / 125 mm 5+1 / 1,69 m ² / 100 mm 6+1 / 2,03 m ² / 80 mm 7+1 / 2,36 m ² / 67 mm

Footprint configuration for tray and vial drying

Footprint configuration for tray drying

Footprint – tray drying [mm]	450 x 750
Footprint configuration (number+radiation panel) / footprint [m ²] Footprint spacing [mm]	5+1 / 1,69m ² 100mm 6+1 / 2,03m ² 80mm 7+1 / 2,36m ² 67mm 8+1 / 2,70m ² 57mm

Footprint configuration for vial drying

Footprint – Vial drying [mm]	450 x 750
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	4+1 / 1,35m ²
	125mm
	5+1 / 1,69m ²
	100mm
Footprint configuration (number+radiation panel) / footprint [m ²] Footprint spacing [mm]	6+1 / 2,03m ²
	80mm
	7+1 / 2,36m ²
	67mm
