

Production bulk freeze dryer Sublimator EKS

Simple and cost-effective
10...200kg capacity



- One chamber system, condenser behind the shelves
- Complete stainless steel 316L
- Liquid tempered stainless steel shelves for freezing and drying
- Radiation shelf on top position
- Uniform temperature distribution $\pm 1^{\circ}\text{C}$ during freezing and drying
- repeatable processes
- Integrated vacuum pump
- Industrial PLC control system with touchpanel
- Free programmable receipts
- Integrated vacuum regulation
- Fast defrost by steam or hot water

Available sizes:

	EKS 10	EKS 30	EKS 50	EKS 100	EKS 150
Chamber diameter	Ø600mm	Ø800mm	Ø1000mm	Ø1200mm	Ø1400mm
Shelve size	420x600mm	500x900mm	600x950mm	800x1150mm	900x1500mm
Distance	55mm	55mm	55mm	55mm	55mm
No. of Shelves	5	7	9	11	12
shelve area	1,26m ²	3,15m ²	5,13m ²	10,0m ²	16,2m ²
Shelve temperature	Vers. I -40...+60°C Vers. II -55...+60°C				
Condenser capacity	10kg/24h 15kg total	30kg/24h 45kg total	50kg/24h 75kg total	100kg/24h 150kg total	150kg/24h 200kg total
Condenser temperature	Vers. I -50°C Vers. II -75°C				
Dimensions	L1500 x W980 H1850	L1750 x W1300 H1850	L1900 x W1500 H1950	L2200 x W1700 H2050	L2500 x W1900 H2150

Available options:

- 1) Air- or watercooled cooling systems
- 2) clean room design, surfaces Ra <0,8µm electropolished
- 3) product trays
- 4) oilfree vacuum pump
- 4) stainless steel housing or wall integration
- 5) capacitive vacuum sensor
- 6) process visualization Scada
- 7) Siemens / Mitsubishi PLC



Optional wall integration

