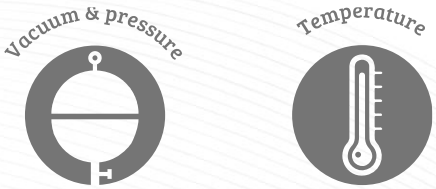
Kambič

Freeze Dryer

PROLIO-8000



- Pilot / R&D / small scale Freeze Dryer
- 0.8 m^2 shelf area
- Shelfs with fluid circulation system heating and cooling
- - 90 °C condenser coil temperature
- Pneumatic vial cap stoppering system
- 50 recipes, each with up to 50 segments
- Air-cooled compressor refrigeration system
- Dry vacuum pump built-in frame



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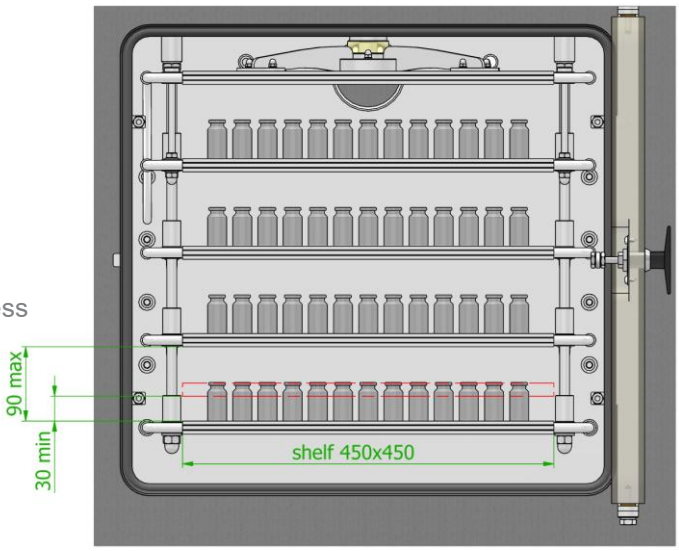
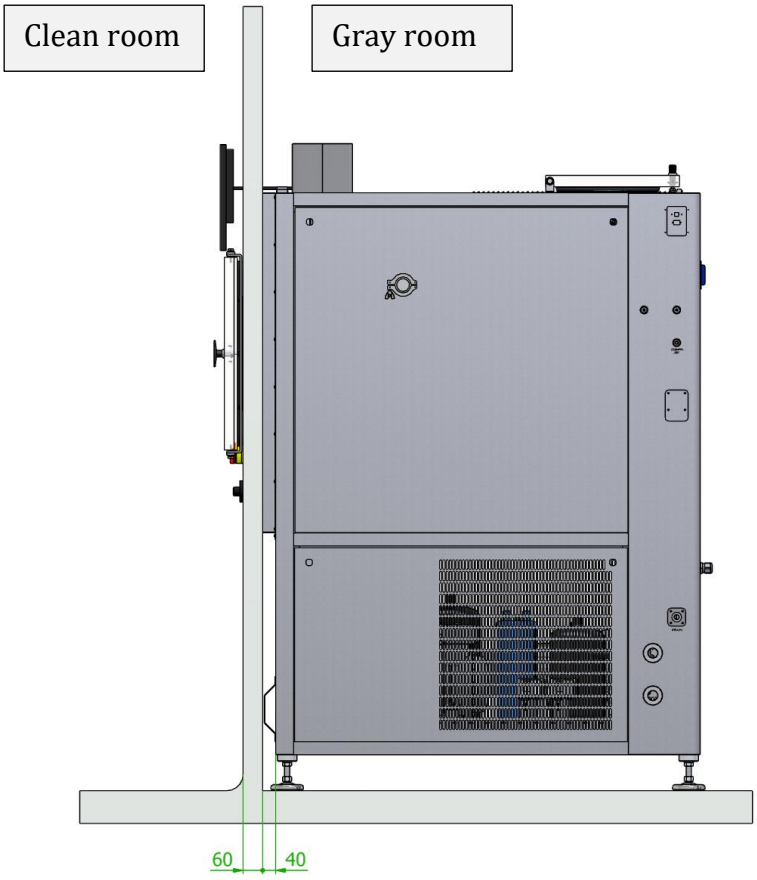
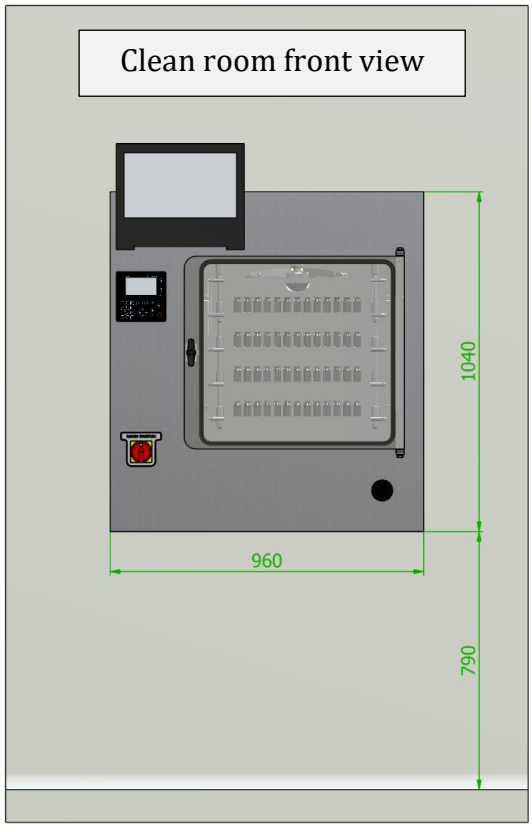
Device specifications:

- Perfected temperature control on shelves
- Smooth and easy to clean
- Shelves and chamber made in AISI 316L
- Condenser with transparent cover
- Condenser made in AISI 316L
- Exterior made in AISI 304
- Fully transparent door for product and process observation
- Vacuum control function
- Designed for wall-in instalation







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Technical Data:	PROLIO-8000
External dimensions (WxDxH)	1065 mm x 1504 mm x 1795 mm
Chamber dimensions (WxDxH)	580 mm x 530 mm x 550 mm
Ice condenser performance	8kg / 24h, total capacity 16 kg
Ice condenser temperature	- 90 °C
Ice condenser defrost	Electrical
Number of shelves	4 working + 1 guardian stoppering
Shelf size (WxD)	450 mm x 450 mm
Shelf surface	4 x 0.2 m^2 = 0.8 m^2
Shelf spacing	max 90 mm (stoppering fully open) min 30 mm (stoppering fully closed)
Shelf temperature range	- 40 °C … + 60 °C
Shelf temperature stability	+/- 0.1 °C
Shelf temperature uniformity	+/- 0.5 °C
Temperature set resolution	0.1 °C
Shelf cool down rate	From + 40 °C to 0 °C … 18 min From 0 °C to - 40 °C … 45 min
Heat up rate	From - 40 °C to + 40 °C … 50 min
Cooling	Air cooled compressor system
Heating	Electrical
User interface	Fully programmable 50 recipes each with up to 50 process steps
Software	Windows compatible History & full remote control via virtual user interface
Door	Fully transparent single handed closing with el. lock
Power supply	3 x 400V / 50 Hz / 30 A
Wattage (W)	12300
Interface	RS 232 / USB
Temperature probe	PT-100 – shelf temperature PT-100 – condenser temperature PT-100 Material 1
Vacuum probe	Pirani - chamber
Weight	620 kg

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