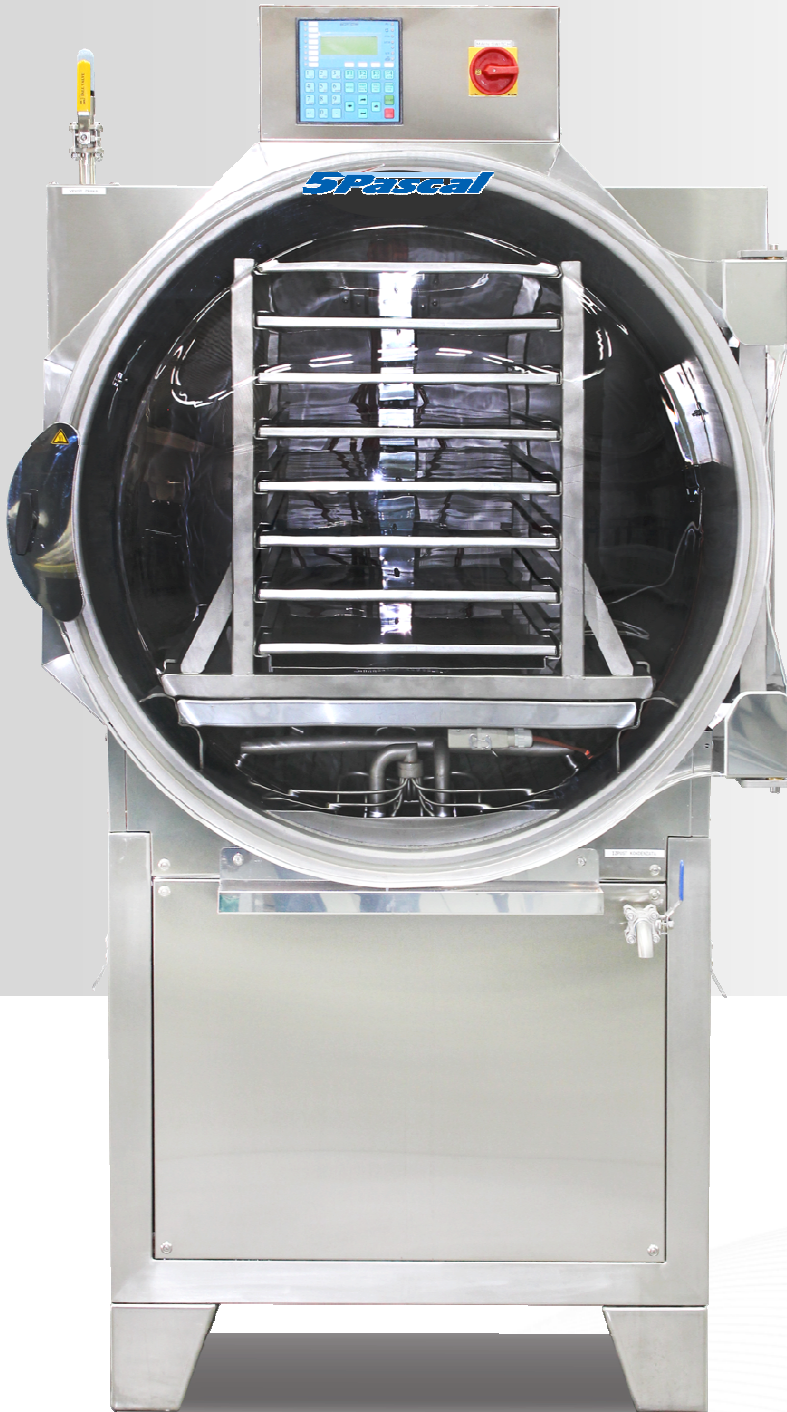


Freeze Dryer

LIO-25 FP



- New tool for economical and productive freeze-drying
- 2,5 m² shelf area
- Shelf temperature control heating function only
- -55°C condenser coil temperature
- 50 recipes, each with up to 50 segments
- Software packet with remote control via virtual user interface
- Single compressor refrigeration system
- Dry vacuum pump build-in frame

Temperature



Vacuum & pressure



5Pascal

Cinquepascal S.r.l Via Carpaccio, 35 20090 Trezzano s/Naviglio (MI)
www.5pascal.it
info@5pascal.it



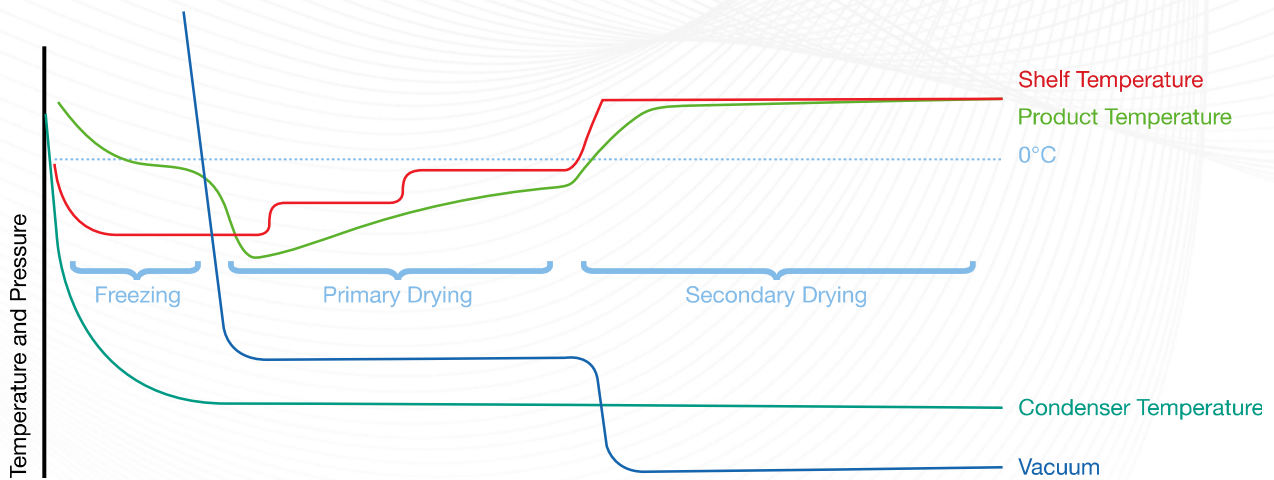
Device specifications:

- Perfected temperature control on shelves
- Smooth and easy to clean chamber & shelves
- Shelves and chamber made in AISI 304
- Exterior made in AISI 304
- Fully transparent door for product and condenser observation
- Vacuum control function
- Product to be freezed in a separate chamber.



Technical Data:	LIO-25 FP
External dimension (WxDxH) in mm	1055 x 1600 x 1900
Chamber dimension (WxD) in mm	890 x 1000
Ice condenser capacity	25kg
Ice condenser temperature (°C)	-55
Ice condenser defrost	Reverse refrigeration loop
Number of shelves	8
Shelf size (WxD) in mm	400 x 800
Shelf surface	0.32 x 8 m ² = 2.56 m ²
Shelf spacing	55 mm
Shelf Temperature range (°C)	-40...+60 heating function only
Temperature stability (°C)	+/- 1
Temperature set resolution (°C)	0.1
Cooling	Air cooled hermetic single compressor system
Heating	Electrical
User interface	DPC-420 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
Interface	RS 232 / USB
Temperature probe	PT-100 – shelf temperature PT-100 – condenser temperature PT-100 Material
Vacuum pump	Dry: XDS-35 -Edwards Other models optional
Power supply	3x400V / 50 Hz / 25A
Wattage (W)	10000
Compressed air	min 5 bar negligible consumption
Weight (kg)	~ 600

Typical process cycle:



Dimensions:

