

Drying Chamber DRC-1000•1000REC•1100•1100REC

Square drying chamber for automatically controlling pre-freezing, first and second stage drying.



DRC-1000

DRC-1100

Features

- A square drying chamber with shelves used in combination with freeze dryers FDU-1110•2110.
- 30L chamber capacity, equipped with three 24x24cm shelves.
- Three shelves can be sealed simultaneously (DRC-1100•1100REC).
- Nitrogen purge is possible by using optional connection pipe to FDU. It is effective to preserve samples vulnerable to oxidation.
- Shelf cooling and heating method is liquid circulation from -40°C to 30°C with uniform temperature control.

System example

DRC-1100 + FDU-2110



By placing manifold for flask and manifold for ample bottle on top of trap part of the freeze dryer, the system can be used also as square dry chamber.

Specifications

Product name	Square Drying Chamber			
Model	DRC-1000	DRC-1000REC	DRC-1100	DRC-1100REC
Cat. No.	197450	204820	197460	204830
Pre-freezing temp.	-40°C (sample temp. -35to -30°C)			
Shelf temperature	-40 ~ 30°C			
Temp. control	Micro-processor P.I.D control			
Temp. setting & input	Ten-key input & digital setting			
Temp. display	Digital display			
Safety functions	Leak/covercurrent braker, High pressure switch, Refrigerator overload relay Independent overheat protector, Self diagnosis function			
Heater	500W			
Refrigerator & coolant	Air cooling 400W•HFC (R507A)			
Temp sensor	Pt100Ω			
Chamber dimensions	300W x 300D x 350H 30L			
Shelf dimensions	240W x 240D x 3			
Shelf material	SUS304			
Overall dimensions (mm)	420W x 550D x 1300H		420W x 550D x 1500H	
Weight	120kg		130kg	
Power source	1.3kVA AC100V			

Freeze Dryer FD-550•550R•550P

Large capacity drying chamber type freeze dryer with dehumidification capacity of 10L.



FD-550R

Features

- Both freezing and heating are possible with installed shelves. Prefreezing and freeze drying are possible by just sample vessels on shelf.
- Uniform temperature distribution is realized by coolant circulation method.
- Programmed operation is possible by FD-550P. Drying with high reproducibility is realized by programmed operation.

Specifications

Product name	Large capacity Freeze Dryer		
Model	FD-550	FD-550R	FD-550P
Cat. No.	120540	144130	181580
Trap freezing temp.	-45°C		
Dehumidification capacity	10L/ one batch		
Ultimate vacuum	6.67Pa		
Refrigerator & coolant	Air cooling 1.1kW + 0.3kW R404A		
Chamber dimensions (mm)	ID500 x 500H 120L		
Chamber material	SUS304		
Weight	350kg		
Power source	6.5kVA AC200V 3Φ		