

Vacuum Freeze Dryer

Vacuum Freeze Dryer

Common Features

- Lyophilization is the most way to preserve living cells, whole blood, vaccines, biological specimens, vegetable, meat, fish and general food.
- CFC refrigeration system cools collector to accurately.
- System shall be able to connect centrifugal concentrator and Gel dryer.
- Clear lid provides view of ice build-up on condenser.
- The condenser compartment is visible through a Pyrex glass cover so ice build-up on the condenser coil can be monitored during lyophilization.
- Removable front of panel provides easy access to refrigeration system and vacuum pump.
- High capacity refrigeration system ensures rapid cooling.
- Automatic start-up switch for collector cool down and vacuum pull down with manual override switches.
- Temperature and vacuum gauge are easy to monitor.



Flask Manifold Chamber



Clear Chamber
CN3 (GENERAL Type)

Clean Vac 8S

- CFC refrigeration system cools collector to -45°C.


Clean Vac 8

- Cascade systems have dual systems to cool collector to -85°C.
- Effective concentrating and drying system operation with pre-cooling unit range from -45°C to -85°C

Lab Freeze Dryer (cold trap temperature : -45°C)

Model	CleanVac 8S	CleanVac 12S	CleanVac 18S	CleanVac 25S
Trap. chamber	310D x 250H/mm	310D x 300H/mm	310D x 350H/mm	310D x 450H/mm
Compressor	1/2HP	3/4HP	1HP	2HP
Max. capacity	8 liters	12 liters	18 liters	25 liters

Pre-Cooling water bath (temp. : -45°C)

	Model	CleanVac P
	Bathsize	250W x 500D x 300H /mm
Compressor	1/2HP	
Temperature	-40?	
Flask	2000ml x 2	

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