

Vacuum Freeze Dryer

CleanVac T Series

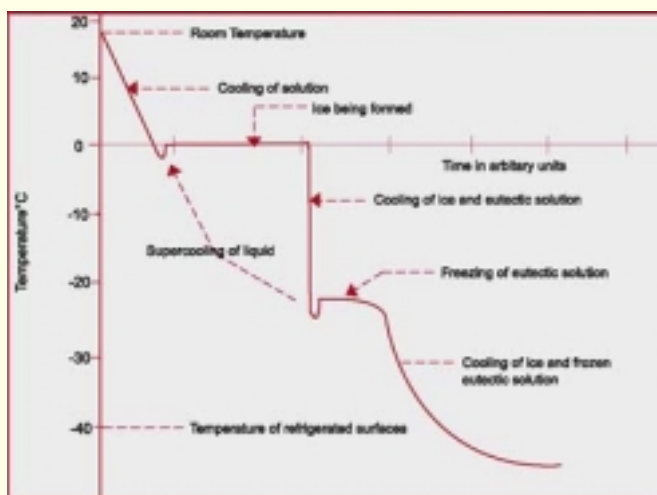


Common Features

- Lyophilization is the most way to preserve living cells, whole blood, vaccines, biological specimens, vegetable, meat, fish and general food. Temperature of fluid circulating through the channels in the shelves may be set between -34°C and +40°C
- Three probes monitor sample temperature is digitally displayed.
- Microprocessor-based controller permits up to 5 different temperature programs to be stored and repeated, each using as many as 3 different segments.
- For each segment, the length of time the temperature should hold and rate at which the temperature should be increased or decreased may be programmed.
- Vacuum release valve control, temperature and vacuum gauge are easy to monitor.
- Clear lid provides view of ice build-up on condenser.

Shortened process cycles, reduced energy requirements, increased production, and vastly improved product quality and shelf life are now the routine results of precision Freeze Drying.

| | | CleanVac 12T | CleanVac 24T | CleanVac 35T | CleanVac 50T | CleanVac 200T |
|--------------------------------------|-------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Dimension | Cabinet(WxDxH)mm | 820x600x1600 | 1020x620x1845 | 1150x950x1845 | 1250x950x1845 | 1900x3200x1950 |
| Refrigeration Condensor System | Compressor | 1HPx2ea | 2HPx2ea | 3HPx2ea | 5HPx2ea | 20HPx2ea |
| | Trap Chamber | f310x290D | f310x380D | f310x460D | f400x320D | f1000x1000D |
| | Trap Temperature | -85°C | -85°C | -85°C | -85°C | -85°C |
| Capacity(l/batch)/(l/hr) | | 12l | 24l | 35l | 50l | 200l |
| Vacuum | Pump capacity | 600l | 600l | 800l | 800l | 3000l |
| System | Ultimate Pressure | 1x10 ⁻⁴ Torr | 1x10 ⁻⁴ Torr | 1x10 ⁻⁴ Torr | 1x10 ⁻⁴ Torr | 1x10 ⁻⁴ Torr |
| Defrosting system | | Hot Gas Solenoid System | | | Water Rinse | Water Rinse |
| Sample insert Chamber | Compressor | 1HP | 2HP | 3HP | 5HP | 20HP |
| | Chamber Dimension | f460x540D | f590x470D | f650x800D | f800x810D | f1600x1600D |
| | Tray Dimension | 320Wx490Dx20H | 360Wx420Dx20H | 420Wx700Dx20H | 520Wx710Dx25H | 710Wx1200Dx25H |
| | Temperature Range | 65°C~-45°C | 65°C~-45°C | 65°C~-45°C | 65°C~-45°C | 65°C~-45°C |
| Power supply | | 220V, 60Hz | 220V,380V,60Hz | 220V,380V,60Hz | 220V,380V,60Hz | 220V,380V,60Hz |



* Typical freezing curve(solution of sodium chloride in water)

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