

# Plasma Blast Freezer



**XSD-24WFL**

## Scope of Application:

Mainly intended for the quick-frozen treatment of blood plasma or biological samples to a core temperature below -30°C within 1 hour in blood stations or medical institutions

## Innovative Design

- ◎ Precise temperature control
- ◎ Single layer, split machine
- ◎ Good heat dissipation
- ◎ Low noise
- ◎ Traceability of each freezing cycle
- ◎ Maximum freezing efficiency
- ◎ Low freezing temperature

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## Ergonomic Design



### Flexible set up

The storage temperature, freezing time, and defrosting time can be flexibly set as required



### Simple operation

All pre-cooling, freezing, defrosting procedures are controlled by PLC control module, simple operation, avoid wrong operation, ensure plasma safety



### Rapid-freezing tray design

Rapid-freezing tray design, not only to improve the efficiency of plasma rapid-freezing, but also easy to save labor



### Electric lifting system

Height control is more accurate and quieter than pneumatic lifting system



### Password protection

Parameter setting is password protected to ensure plasma safety



### Friendly interface

Friendly interface display design, clearer temperature observation

## Product Advantages



### Low rapid-freezing temperature

Rapid-freezing temperature can be reduced to -60°C, superior performance



### Data is printable and the information traceable

Plasma storage data and corresponding curves can be exported via USB, which is convenient for information traceability



### Precise temperature control, control precision 1°C

PLC control module, the system is stable and reliable, temperature control precision 1°C, to ensure the safety of plasma



### Plate Rapid-Freezing, efficient Cooling

The central temperature of full-load plasma can be quickly frozen to below -30°C within 45 minutes, which effectively guarantees the activity of factor VIII



### Efficient core components, energy saving

High efficiency compressor and dual-cooling system, better performance; Hydrocarbon refrigerant, energy saving and environmental protection

## Optional Accessories



Trolley



Tray

## Product Features



## Plasma Blast Freezer

### Plate rapid-freezing

Blood bags are placed between the upper and lower cold plates to achieve rapid freezing through contact and heat conduction. The appearance of quick-frozen blood bags is smooth.

### Double stage cooling system

The refrigeration efficiency is 20% higher than that of single stage. The double-stage compressor is more stable, more efficient and faster than single stage compressor under lower temperature conditions.

### Energy-saving Frequency conversion fan

Automatically adjust the wind speed according to the requirements of the refrigeration system, and operates at a low speed during the system stable stage, resulting in lower noise and reduced energy consumption.

### Intelligent screen

The 10-inch touch screen is convenient to view the temperature curve and data, record the rapid-freezing time in real time, and adjust the temperature parameters through the display screen, which is efficient and fast.

## Product Parts



Three phase fan, with more air volume and better performance

V-type condenser, high condensation efficiency

Double stage refrigeration compressor, better refrigeration performance



Intelligent 10 inch screen allows to adjust the parameters according to requirements

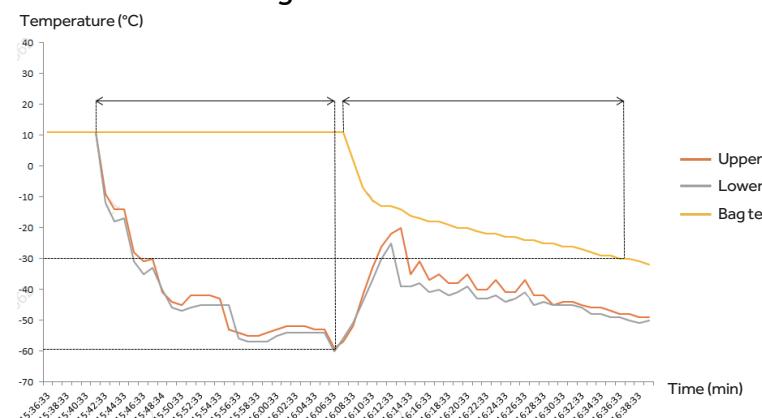
PLC control, stable and reliable

Universal caster, easy to move, front caster with locking device, easy to fix

## Temperature Curve



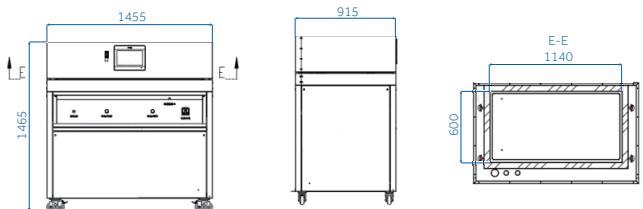
### Cooling Down Curve



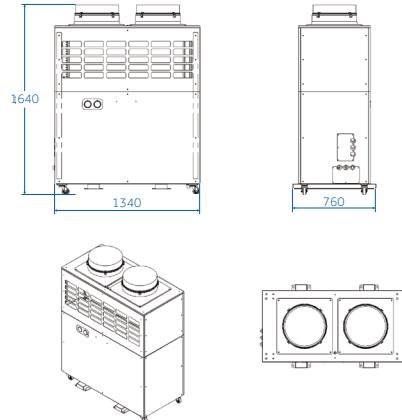
## Product Dimensions



### Indoor machine



### Outdoor machine



## Specifications



### Technical Data

Outer Casing	Both freezing plates and outer structure are stainless steel		
Refrigerant Type	R507		
Climate Class	SN (+10°C to +32°C)		
Operating Temperature (°C)	Pre-Cooling	Freezing	Temporary Storage
	-55	-59	-45
Defrosting Technique/Time	Automatic (hot gas)/15mins.		
Power Supply	3N 400V/50HZ/60HZ		
Noise Level (dB(A))	40		
Power Cord	Plug and Play		
Plasma Bag Capacity	36bags (350ML)	24bags (500ML)	16bags (1000ML)
Net Weight (kg)	Indoor Machine		Outdoor Machine
	320		360
External Dimensions (W×D×H)(mm)	Indoor Machine		Outdoor Machine
	1455*915*1465		1340*760*1640
Power (KW)	7		
Compliance	Company Standards	ISO 13485: Quality Management System for the Design and Manufacture of Medical Devices	
		ISO 9001: Quality Management System	
		ISO 14001: Environmental Management System	
Certification	CE		

\*Haier Biomedical reserves the right to change products and specifications without prior notice.