4°C Blood Bank Refrigerator

Stable Temperature Control to Ensure Blood Safety

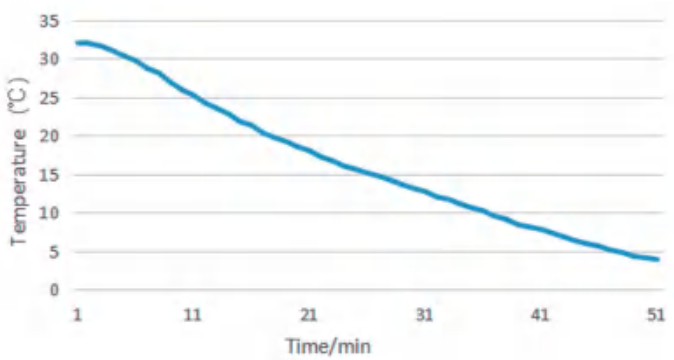
Widely used by blood banks, hospitals, research institutes, and other medical organizations for the preservation of blood and the storage of bioproducts, drugs, reagents, and other temperature-sensitive materials

Economical Model



XC-120/310/400/660

XC-400 Cooling curve



Product Advantages

Temperature control

Microprocessor controlled system maintains internal temperature at 4±1°C

Safety

Multiple fault alarms including: High/low temperature, sensor failure, open door, power failure, and low battery level

Insulation

Thick insulation with supermicrocellular foaming technology for excellent thermal retention

Refrigeration

Uses environmentally friendly, fluoride-free refrigerant

User-Focused Design

- Door lock to prevent unauthorized access
- Double door design: Transparent, hollow, self-closing outer glass door (except XC-400), and inner plastic door for effective insulation and anti-condensation
- High-quality stainless steel liner (except XC-310): corrosion-resistant and easy to clean
- Internal LED lighting for visibility
- Adjustable shelves and wire baskets for convenient use and easy cleaning
- Service port designed for convenient temperature testing
- Heated glass door prevents condensation — ideal for high-humidity environments
- Swivel casters for easy mobility

4°C Blood Bank Refrigerator

Product Parameters

Model			XC-120	XC-310	XC-400	XC-660
Approved Regions			Asia-Pacific, South Asia, Europe, CIS,Middle East, India, America, Africa			
Technical Data	Storage Type		Basket	Basket	Basket	Basket
	Climate Class		SN	SN	SN	SN
	Cooling Type		Forced air	Forced air	Forced air	Forced air
	Defrost Mode		Auto	Auto	Auto	Auto
	Refrigerant		CFC-Free, R290	CFC-Free, R290	CFC-Free, R290	CFC-Free, R290
	Noise (dBA)		39	40	40	41
Performance	Temperature Range(°C)		3~5	3~5	3~5	3~5
	Ambient Temperature(°C)		10~32	10~32	10~32	10~32
Control	Controller		Microprocessor	Microprocessor	Microprocessor	Microprocessor
	Display		LED	LED	LED	LED
Electrical Data	Power Supply (V/HZ)		220±10%/50	220±10%/50	220±10%/50	220±10%/50
	Power (W)		210	220	240	350
	Electrical Current (A)		1.5	1.5	1.8	2.5
Dimensions	Capacity (L/Cu. Ft)		120/4.24	310/10.95	400/14.13	660/23.31
	Blood Storage Capacity (450ml blood bags)		35/53	80/106	124/160	202/256
	Net/Gross Weight (approx)	(kg)	71/80	127/155	148/184	200/235
		(lbs)	157.8/177.8	282.2/344.4	328.9/408.9	444.4/522.2
	Interior Dimension (W×D×H)	(mm)	485×450×550	565×454×1198	640×577×1195	1170×489×1310
		(in)	19.1×17.7×21.7	22.2×17.9×47.2	25.2×22.7×47.1	46.1×19.3×51.6
	Exterior Dimension (W×D×H)	(mm)	598×618×1110	660×638×1960	771×751×1750	1280×680×1949
		(in)	23.5×24.3×43.7	26×25.1×77.2	30.4×29.6×68.9	50.4×26.8×76.7
	Packing Dimension (W×D×H)	(mm)	675×688×1180	740×738×2159	854×852×1985	1360×720×2078
		(in)	26.6×27.1×46.5	29.1×29.1×85	33.6×33.5×78.2	53.5×28.4×81.8
	20GP/40GP/40HQ		27/51/51	21/48/48	12/26/26	12/24/24
Alarms	High/Low Temperature		Y	Y	Y	Y
	Power Failure		Y	Y	Y	Y
	Sensor Error		Y	Y	Y	Y
	Low Battery		Y	Y	Y	Y
	Door Ajar		Y	Y	Y	Y
	Remote Alarm		Y	Y	Y	Y
Accessories	Caster		Y	Y	Y	Y
	Foot		N	Y	N	Y
	Test Hole		Y	Y	Y	Y
	Shelves/Baskets		2/4	5/15	5/20	12/36
	Inner Doors Quantity		2	2	3	6
	USB Interface		Standard	Standard	Standard	Standard
	Temperature Recorder		Standard	Standard	Standard	Standard
Others	Certificate		CE	CE	CE	CE
Parameters	Temperature Setting Mode		Microprocessor	Microprocessor	Microprocessor	Microprocessor
	Temperature Sensor		Digital	Digital	Digital	Digital
	Power Consumption (kWh/24h)		2.01	4.05	3.72	6.39

Model		XC-120	XC-310	XC-400	XC-660
Material	Exterior Material	Color coated cold rolled steel	Color coated cold rolled steel	Color coated cold rolled steel	Color coated cold rolled steel
	Interior Material	Stainless Steel	High Impact Polystyrene	Stainless Steel	Stainless Steel
	Insulation	Rigid Polyurethane Foam (CFC-Free)	Rigid Polyurethane Foam (CFC-Free)	Rigid Polyurethane Foam (CFC-Free)	Rigid Polyurethane Foam (CFC-Free)
	External Door/Quantity	Glass/1	Glass	Glass-Solid Door/1	Glass/1
	External Door Sealing Structure	Sealing Strip	Sealing Strip	Sealing Strip	Sealing Strip
	Shelves Quantity	2	5	5	12
	Inner Door Material/Quantity	PMMA/2	PMMA/2	PMMA/3	PMMA/6
	Padlock Latch	N	N	N	N
	Built-in Key Door Lock/Quantity	Y/1	Y/1	Y/1	Y/1
Product Accessories	Shelves Material/Quantity	Anti-corrosive steel wire/2	Anti-corrosive steel wire/5	Anti-corrosive steel wire/5	Anti-corrosive steel wire/12
	Adjustable Shelves	Y	Y	Y	Y
	Storage Basket/Quantity	Standard Blood Baskets/4	Standard Blood Baskets/15	Standard Blood Baskets/20	Standard Blood Baskets/36
	Storage Basket Dimensions (W×D)(mm)	208×377	152×385	140×468	Up: 152×333 Under the: 152×453
	Drawers Material	/	/	/	/
	Compressor Type	Enclosed	Enclosed	Enclosed	Enclosed
	Compressor Brand	Embraco	Embraco	Embraco	Embraco
	Compressor Power (W)	210	220	240	350
	Compressor Quantity	1	1	1	1
	Refrigerants Model	R290	R290	R290	R290
Function Parameters	Alarm System	Y	Y	Y	Y
	Filter Dirty Alarm	N	N	N	N
	Voltage Excess Alarm	N	N	N	N
	High Ambient Temperature Alarm	N	N	N	N
	Boot Delay Protection	Y	Y	Y	Y
	Display Screen Password Protection	Y	Y	Y	Y
Condenser	Type	Forced Cooling	Forced Cooling	Forced Cooling	Forced Cooling
	Material	/	/	/	/
	External Fan	Hcsino	EBM	EBM	EBM
	Internal Temperature Uniformity	±1°C	±1°C	±1°C	±1°C
	Internal Temperature Accuracy	0.1	0.1	0.1	0.1