

Introducing most innovative
Blood Bank Equipments



The name you can trust



Innovation | Technology | Precision



Blood Bank Refrigerators, Walk In Blood Bank Refrigerators, Plasma freezers
Ultra Low Temperature Freezers, Smart Cool & ICDAS Software

Welcome to the world of NEWTRONIC – the name you can trust

At Newtronic we always in endeavor to deliver the best technology with blend of innovation & precision



Head Office - Mumbai



State of the Art plant - Umbergaon

- ◆ Certified & recognized by various global bodies
- ◆ Equipped to manufacture over 200 units per months
- ◆ Designed as per global standards
- ◆ Perfect blend of the latest plant & machinery
- ◆ Finest automated manufacturing process
- ◆ Assures quality service & support
- ◆ High skilled professional team & processional work culture to cater international standards

Ethernet Communication:



- High-speed data transfer
- Significantly faster than serial(RS-485) communication
- Global standard for communication protocol
- No need for a separate PC interface
- Data Operations from any PC over the LAN

Complete Range of Alarms



- Temperature Deviations
- Door Opening
- Component Failure
- Mains Failure

Cooling System



- Emerson (Kirloskar) make with eco-friendly refrigerant
- CFC free cooling system consisting of hermetically sealed compressor coupled with evaporation coil & condenser

ICDAS Software



- Single software suitable for upto 20 equipments
- Automatic Datalogging
Automatic daily data backup
- Alarm Logs.
- Graphical Viewing & Data Trending
- Data export in pdf format

Features | Functionality | Flexibility

Temperature Range:
2°C to 6°C

Blood Bank Refrigerators

NEWTRONIC's high performance blood bank refrigerator is built to protect valuable whole blood storage in every aspect.



Features:

- Interior & exterior made of stainless steel 304
- Transparent glass door for excellent visibility
- Stainless Steel trays for large storage capacity
- Forced air circulation for uniform temperature
- PU wheels for easy movement
- CFC free cooling system consisting of hermetically sealed compressor coupled with evaporation coil & condenser
- Complete operation driven through a single PID controller with 2 line alpha numerical LCD display & print facility
- High speed ethernet based communication
- High quality PT 100 temperature sensor
- **Safety Device:** Low temperature cut-off settable thermostats
- Audio, Visual alarms for deviations

Power Source : 220 VAC, 50 Hz main supply (also available 60 Hz cycle)

SPECIFICATIONS

- Temperature Range : 2°C to 6°C
- Temperature Accuracy : $\pm 0.5^\circ\text{C}$
- Temperature Uniformity : $\pm 1^\circ\text{C}$

Options

- **ICDAS software:** A common software suitable for all Newtronic make equipments
- Mobile alert system
- Remote alarm system suitable for 4 Nos. Newtronic make equipment
- 7 days circulation chart recorder

◆ Selection Guide

Models	Capacity		Internal Dimension HxWxD (mm)	External Dimension HxWxD (mm)	Trays Nos.	Bags Capacity
	Cuft.	Liters				
NLBR4SI	4	100	450x 450 x 480	1025 x 700 x 695	2	50
NLBR7SI	7	200	800 x 500 x 500	1510 x 660 x 820	3	120
NLBR11SI	11	300	1200 x 500 x 500	1910 x 660 x 820	4	180
NLBR16SI	16	430	1200 x 600 x 600	1910 x 760 x 920	4	240
NLBR21SI	21	600	1200 x 700 x 700	1910 x 860 x 1020	4	350

Smart storage



Temperature Range:
2°C to 6°C

Walk In Blood Bank Refrigerators

Ideal for bulk storage at Central Blood Banks, Regional Centers & Institutions

Standard Equipment :

- Doubled walled with 80mm PUF insulated modular panels with easy on - site assembling
- Interior & exterior are provided of either stainless steel 304 or Pre-coated G.I.
- Stainless steel trays for large storage capacity
- Observation window-300 x 300 mm
- Illuminated working area
- Provision to open the door from inside and also hooter to raise man trap emergency alarm
- Forced air circulation for uniform temperature
- CFC free cooling system consisting of hermetically sealed compressor coupled with evaporation coil & condenser
- Complete operation driven through a single PID controller with 2 line alpha numerical LCD display & print facility
- System is made up of split type condenser unit in well-ventilated area to avoid throw of hot air in the room
- High speed ethernet based communication
- High quality PT 100 temperature sensor
- **Safety Device:** Low temperature cut-off settable thermostats
- Audio, Visual alarms for deviations

Power Source : 220 VAC, 50 Hz (60 Hz available on request)

Options

- **ICDAS software:** A common software suitable for all Newtronic make equipments
- Mobile alert system
- Remote alarm system suitable for 4 Nos. Newtronic make equipmet
- 7 days circulation chart recorder



SPECIFICATIONS

- Temperature Range : 2°C to 6°C
- Temperature Accuracy : ±1°C
- Temperature Uniformity : ±2°C

◆ Selection Guide

Models	Models	Capacity		Internal Dimension HxWxD (Mtr.)	External Dimension HxWxD (Mtr.)	Trays Nos.
		Cuft.	Liters			
NLWB190SI	NLWB190MI	190	5400	2.00 x 1.36 x 2.00	2.16 x 1.52 x 2.16	24
NLWB230SI	NLWB230MI	230	6400	2.40 x 1.36 x 2.00	2.56 x 1.52 x 2.16	32
NLWB280SI	NLWB280MI	280	8000	2.00 x 2.00 x 2.00	2.16 x 2.16 x 2.16	24
NLWB340SI	NLWB340MI	340	9600	2.40 x 2.00 x 2.00	2.56 x 2.16 x 2.16	32

*Custom Build Chambers also available | Pre coated GI sheet & Interior Stainless Steel(304) will be available on request.
Standard Inner Height 2.0, 2.4, 3.0 Mt. | Standard Inner Width 1.36, 2.0, 2.5, 4.0 Mt. | Standard Inner Depth 2.0, 3.0, 4.0 & 5.0 Mt.

Custom made Design



Ultra Low Temperature Freezers

Temperature Range:
-60°C to -80°C

Newtronic Ultra Low Freezers deliver higher level of performance and dependability for optimum growth conditions. Specially suitable for cryo preservation, plasma storage in blood bank & refrigeration required in laboratories, epidemic prevention services, biomedical engineering institutes.

Standard Equipment

- **Interior & Exterior chamber made of Stainless Steel 304**
- Stainless steel trays for sample storage
- Inner Sub-doors to avoid temperature loss
- Non-CFC, high density, Polyurethane Foam insulation of 150mm thickness
- Cascading refrigeration system
- Non-CFC, Non-HCFC eco-friendly refrigerants
- Safety Refrigeration system with over-load protectors and MCB
- **Auto defrost system for avoiding ice formation in the chamber**
- Heater line around the front of the cabinet to prevent moisture condensation
- PLC-based controlling system with Touch Screen Display
- Ethernet based communication
- Audio-visual alarms for deviations
- Complete with Operations & Maintenance Manual
- Castor wheels for easy movement

Power Supply: 230 Volts 50 Hz main supply. Also available with 60 Hz cycle

Optionals

- ICDAS – A common software suitable for all Newtronic equipments
- Door Access System
- Mobile Alert System



SPECIFICATIONS

- Temperature Range : -60°C to -80°C
- Temperature Accuracy : $\pm 2^{\circ}\text{C}$
- Temperature Uniformity : $\pm 3^{\circ}\text{C}$

◆ Selection Guide

Model	Capacity		Internal Size (H*W*D)mm	External Size (H*W*D)mm	No. of Trays
	CuFt	Liter			
NLUF4SI	4	100	450 x 450 x 480	1130 x 800 x 910	2
NLUF7SI	7	200	800 x 500 x 500	1805 x 850 x 870	3
NLUF11SI	11	300	1200 x 500 x 500	2035 x 850 x 955	4
NLUF14SI	14	400	1200 x 600 x 600	2035 x 950 x 1055	4
NLUF17SI	17	500	1200 x 600 x 700	2035 x 950 x 1155	4

Precise Control



Temperature Range:
-20°C to -40°C

Plasma freezers

Unrivalled cold storage protection for valuable sample material

When it comes to protecting valuable plasma, and related components our high performance freezer deliver quality and dependability at low operation cost

Standard Equipment

- **Interior & Exterior chamber made of Stainless Steel 304**
- Stainless steel trays for sample storage
- Inner Sub-doors to avoid temperature loss
- Non-CFC, high density, Polyurethane Foam insulation of 150mm thickness
- Cascading refrigeration system
- Non-CFC, Non-HCFC eco-friendly refrigerants
- Safety Refrigeration system with over-load protectors and MCB
- **Auto defrost system for avoiding ice formation in the chamber**
- Heater line around the front of the cabinet to prevent moisture condensation
- PLC-based controlling system with Touch Screen Display
- Ethernet based communication
- Audio-visual alarms for deviations
- Complete with Operations & Maintenance Manual
- Castor wheels for easy movement



SPECIFICATIONS

- Temperature Range : -20°C to -40°C
- Temperature Accuracy : $\pm 2^{\circ}\text{C}$
- Temperature Uniformity : $\pm 3^{\circ}\text{C}$

Power Supply: 230 Volts 50 Hz main supply. Also available with 60 Hz cycle

Optionals

- ICDAS – A common software suitable for all Newtronic equipments
- Door Access System
- Mobile Alert System

◆ Selection Guide

Model	Capacity		Internal Size (H*W*D)mm	External Size (H*W*D)mm	No. of Trays
	CuFt	Liter			
NLPP4SI	4	100	450 x 450 x 480	1130 x 800 x 910	2
NLPP7SI	7	200	800 x 500 x 500	1805 x 850 x 870	3
NLPP11SI	11	300	1200 x 500 x 500	2035 x 850 x 955	4
NLPP14SI	14	400	1200 x 600 x 600	2035 x 950 x 1055	4
NLPP17SI	17	500	1200 x 600 x 700	2035 x 950 x 1155	4

Precise Cooling



Access | Anywhere | Anytime



Accessible via web browser on
Smartphones, Tablets



Features

- Eliminate the need for multiple software installations & qualifications!
- Web-based Software accessible through browser
- Compatibility with server-based OS, android, Windows-7/8
- Ensure one-time software installation on your server & access the software anytime, anywhere through a web-browser from any Desktop/Laptop (on the same LAN)
- View status, take printouts or execute any of your tasks from anywhere.
- Centralized user-defined Alarms, Alerts & Notifications through SMS & emails
- Configure the type & no. of alarms to be sent via email/SMS & configure delay time too.
- Real-time display of all connected equipment in single screen
- Automatic data backup facility
- System Diagnosis for troubleshooting via Team Viewer
- Ethernet communication with chambers.

Introducing **Cold Chain Solutions**

Smart COOL

Small | Sufficient | Efficient

Smart Cool range of products are best suitable for ambulances, blood donation camps, vaccination camps, storing and transporting medical kits, bio samples, blood bags, plasma samples, vaccines



**Temperature range: 2°C to 8°C &
-20°C to +10°C**

* for more details ask for separate catalogue

Complete Peace of Mind

Internationally proven innovative product range



Newtronic Service centers:

Domestic:		International:	
Ahmedabad	Hyderabad / Vizag	Australia	Malaysia
Baddi	Indore	Bangladesh	Mexico
Bangalore	Kolkata / Sikkim	China	Nepal
Chennai	Mumbai	Dominican Republic	New Zealand
Delhi	Pune	Dubai	Phillipines
Goa		Egypt	Singapore
		Indonesia	Thailand
		Jordan	Turkey
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* Newtronic reserve the right to change product specifications without prior notice



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EN ISO 13485:2012 Certified Company

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