



The name you can trust

Innovation | Technology | Precision

Introducing Cooling Without Refrigerated Compressor
With

PELTIER TECHNOLOGY



Humidity (Stability) Chambers
BOD Incubators (Cool Incubators) | Dual BOD Incubators

Temperature Range: 20°C to 60°C
 Humidity Range: 40% Rh to 95% Rh

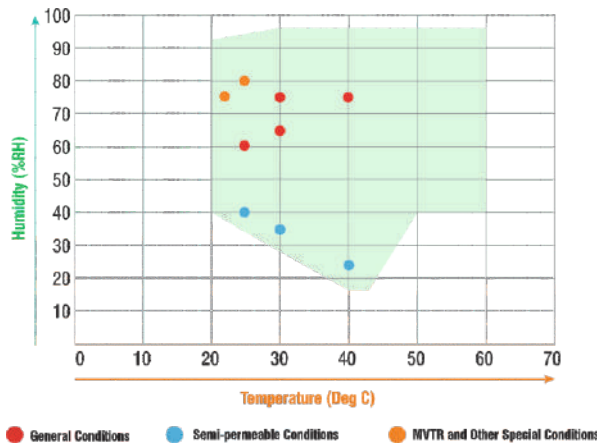
Humidity (Stability) Chambers



Standard Equipment

- Double walled with PUF insulation.
- SS 304 Interior & Exterior either SS 304 or Mild Steel
- Stainless Steel trays
- Full-length inner glass door & metal door with gasket & lock on the outside
- Internal LED lights
- Forced air circulation for uniform temperature
- PU wheels for easy movement
- U-shaped SS tubular heaters
- Complete Operations driven through PLC with data logging capacity of upto 1000 readings
- High speed Ethernet based communication
- All operations through a single 7" Color Touch Screen
- High quality imported make T/Rh combo sensor with 4-20 mA output
- Safety devices: Low & high temperature cut-off settable thermostats
- Audio/Visual alarms for deviations
- Complete with DQ, IQ, OQ, PQ & SOP & Maintenance Manual

Power supply: 230 volts 50 Hz main supply. Also available with 60 Hz Cycle.



● General Conditions ● Semi-permeable Conditions ● MVTR and Other Special Conditions

SPECIFICATIONS

- Temperature Range : 20°C to 60°C
- Temperature Accuracy : ± 0.5°C
- Temperature Uniformity : ± 1°C
- Humidity Range : 40% Rh to 95% Rh
- Humidity Accuracy : ± 2% Rh
- Humidity Uniformity : ± 3% Rh

Optional Accessories

- ICDAS - A Single Software installation for all Newtronic make equipments
- 4 pt. Temperature & Humidity Scanner
- Door Access system (Numeric or Biometric)
- Remote alarm system suitable for upto 4 nos. Newtronic make equipments
- Mobile Alert System

◆ Selection Guide

Model	Capacity		Internal Size (H*W*D) mm	External Size (H*W*D) mm	Trays Qty.	Trays Size (W*D) mm	Approx. Weight (Kg)	
	CuFt.	Liter					Equip.	Ship.
NLHC16SIP	16	430	1200 X 600 X 600	1715 x 760 x 1155	4	530 X 560	250	325
NLHC26SIP	26	735	1500 X 700 X 700	2070 x 860 x 1255	5	630 X 660	275	350
NLHC34SIP	34	1000	1500 X 800 X 800	2070 x 960 x 1355	5	730 X 760	350	425
NLHC54SIP	54	1500	1500 X 1600 X 600	2070 x 1760 x 1155	10	695 X 560	350	450
NLHC71SIP	71	2000	1500 X 1600 X 800	2070 x 1760 x 1355	10	695 X 760	375	475

* Newtronic reserve the rights to change the product specifications without prior notice.

Features	Ethernet	PLC Control	Touch Screen	Documents	Door Access	Alarms	Mobile Alert	E-mail Alert	Safety	Software

Temperature Range: 15°C to 60°C

BOD Incubators (Cool Incubators)

Standard Equipment



- Double walled with PUF insulation
- SS 304 Interior & Exterior either SS 304 or Mild Steel
- Stainless Steel trays
- Full length inner glass door with magnetic gaskets
- LED light for better illumination & observation (200 liters & above)
- Forced air circulation for uniform temperature
- PU wheels for easy movement
- U shaped SS tubular heaters
- Complete operation are driven through IOT-enabled Controller with data logging capacity of upto 1000 readings
- High speed Ethernet based communication
- All operations through a single 7" Color Touch Screen Display
- High-quality PT-100 Temperature sensor
- Safety devices: Low & high temperature cut-off settable thermostats
- Audio/Visual alarms for deviations
- Complete with DQ, IQ, OQ, PQ, SOP & Maintenance Manual

Power supply: 230 volts 50 Hz main supply. Also available with 60 Hz Cycle.

SPECIFICATIONS

- Temperature Range : 15°C to 60°C
- Temperature Accuracy : ± 0.5°C
- Temperature Uniformity : ± 1°C

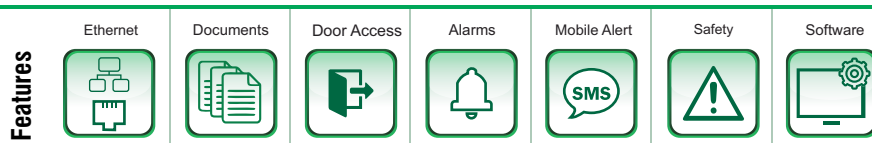
Optional Accessories

- ICDAS -A Single Software installation for all Newtronic make equipments
- 4 pt. Temperature Scanner
- Door Access system (Numeric or Biometric)
- Remote alarm system suitable for upto 4 nos. Newtronic make equipments
- Mobile Alert System

◆ Selection Guide

Model	Capacity		Internal Size (H*W*D) mm	External Size (H*W*D) mm	Trays Qty.	Trays Size (W*D) mm	Approx. Weight (Kg)	
	CuFt.	Liter					Equip.	Ship.
NLBI7SIP	7	200	800 X 500 X 500	1315 x 660 x 965	3	430 X 460	150	225
NLBI16SIP	16	430	1200 X 600 X 600	1715 x 760 x 1105	4	530 X 560	250	325
NLBI26SIP	26	735	1500 X 700 X 700	2070 x 860 x 1205	5	630 X 660	275	350
NLBI34SIP	34	1000	1500 X 800 X 800	2070 x 960 x 1305	5	730 X 760	350	425
NLBI54SIP	54	1500	1500 X 1600 X 600	2070 x 1760 x 1105	10	695 X 560	350	450
NLBI71SIP	71	2000	1500 X 1600 X 800	2070 x 1760 x 1305	10	695 X 760	375	475

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Upper Temperature : 15°C to 60°C
 Lower Temperature : 15°C to 60°C

Dual BOD Incubators

Standard Equipment



- Double walled with PUF insulation
- SS 304 Interior & Exterior either SS 304 or Mild Steel
- **Two separate Compartments operating at different temperature values**
- Stainless Steel trays
- Full length inner glass door & outer metal door with gasket & lock on the outside
- Forced air circulation for uniform temperature
- PU wheels for easy movement
- U shaped SS tubular heaters
- Complete operations driven through IOT-enabled Controller with data logging capacity of upto 1000 reading
- High speed Ethernet based communication
- All operations through a single 7" Color Touch Screen Display
- High-quality PT-100 Temperature sensor
- Safety devices: Low & High temperature cut-off settable thermostats
- Audio/Visual alarms for deviations
- Complete with DQ, IQ, OQ, PQ ,SOP & Maintenance Manual

Power supply: 230 volts 50 Hz main supply. Also available with 60 Hz Cycle.

SPECIFICATIONS

- Temperature Range : 15°C to 60°C
- Temperature Accuracy : ± 0.5°C
- Temperature Uniformity : ± 1°C

Optional Accessories

- ICDAS -A Single Software installation for all Newtronic make equipments
- Remote alarm system suitable for upto 4 nos. Newtronic make equipments
- Mobile Alert System

◆ Selection Guide

Model	Capacity		Internal Size (H*W*D) mm	External Size (H*W*D) mm	Trays Qty.	Trays Size (W*D) mm	Approx. Weight (Kg)	
	CuFt.	Liter					Equip.	Ship.
NLDC14SIP	Upper - 7	Upper - 200	Upper - 690 X 600 X 500	2050 X 740 X 985	Upper - 2	530 X 460	300	375
	Lower - 7	Lower - 200	Lower - 690 X 600 X 500		Lower - 2			
NLDC28SIP	Upper - 14	Upper - 400	Upper - 690 X 700 X 800	2050 X 840 X 1285	Upper - 2	630 X 760	375	450
	Lower - 14	Lower - 400	Lower - 690 X 700 X 800		Lower - 2			

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THE PELTIER TECHNOLOGY

Thermocouple Working Principle

The working principle of a thermocouple is based on the Seebeck, Peltier, and Thomson effects.

Peltier Effect

The Peltier effect is the absorption or release of heat when an electric current passes through a junction of two different conductors.

Peltier Cooling, also known as Thermoelectric Cooling, has many advantages, including:

Precise Temperature Control



The temperature regulation can be fine-tuned to meet precise requirements. They are highly responsive to temperature changes and quickly adjust to the hot and cold needs.

Compact & Light-weight



This makes the Peltier cooling systems easily portable and quick to attend to any support call.

Environment-friendly



Since they do not use ozone-depleting or flammable refrigerants, they are very eco-friendly systems.

Durable



Peltier Cooling Systems are easy to operate and maintain. They can easily last for over a hundred thousand hours!

Quiet & Vibration Free



Peltier cooling systems do not have any compressors. Thus, there are no moving parts thereby ensuring quiet & vibration-free operations.

Internationally proven innovative product range



NLEPL/PT/1124/1.0

Newtronic Service Centers:

Domestic:		International:			
Ahmedabad	Hyderabad / Vizag	Algeria	Iraq	New Zealand	Turkey
Baddi	Indore	Australia	Jordan	Nigeria	Uganda
Bangalore	Kolkata / Sikkim	Bangladesh	Kazakhstan	Oman	UK
Chennai	Mumbai	China	KSA	Philippines	USA
Delhi	Pune	Egypt	Latin America	Russia	Vietnam
Goa		Ethiopia	Malaysia	Singapore	
		Indonesia	Morocco	Sri Lanka	
		Iran	Nepal	Thailand	
service@newtronic.in		service.exports@newtronic.in			

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NEWTRONIC LIFECARE EQUIPMENT PVT. LTD.
ISO 9001:2008 Certified Company

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