

Innovation | Technology | Precision



The name you can trust



Newtronic Lifecare Equipment Pvt. Ltd.
www.newtronic.in

Walk-In Stability Chambers | Walk-In Cold Room | Walk-In Deep Freezers | Walk-In Incubators

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

Walk-In Stability Chambers



Standard Equipment

- Chamber Operations based on Ecotronic system incorporating the principles of Dew point control as per the Psychrometric Chart
- Double walled with 60mm PUF insulated modular panels with easy on-site assembly
- SS 304 Interior & Exterior either SS 304 or Pre Coated GI
- Stainless Steel Trays
- Observation window - 300 x 300 mm
- PVC strip curtain for reducing temperature leakages
- Illuminated working area
- Flooring of Linoleum carpet
- Heater line along the door to avoid condensation
- U-shaped SS tubular heaters
- Forced air circulation for uniform temperature
- Humidity is primarily controlled through the principles of Dew point control (for capacities >8KL)
- CFC free cooling system consisting of hermetically sealed compressor coupled with evaporation coil & condenser
- System is made up of split type condenser unit in well-ventilated area to avoid throw of hot air in the room
- Stand by humidity system with booster humidification
- 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: 230/415 volts 50 Hz main supply. Also available with 60 Hz Cycle.

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

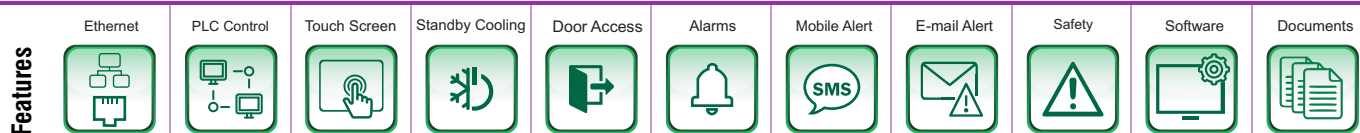
- ICDAS -A Single Software installation for all Newtronic make equipments
- 8 pt. Temperature & Humidity Scanner
- Stand by Cooling System with auto switch over
- Door Access system (Numeric or Biometric)
- Remote alarm system suitable for upto 4 nos. Newtronic make equipments
- Mobile Alert System

◆ Selection Guide

Model	Capacity		Internal Size (H*W*D) mm	External Size (H*W*D) mm	Trays Qty.	Trays Size (W*D) mm
	CuFt.	Liter				
NLWH208SI	208	5,848	2000 X 1360 X 2150	2120 X 1480 X 2270	20	900 X 300
NLWH250SI	250	7,017	2400 X 1360 X 2150	2520 X 1480 X 2270	28	900 X 300
NLWH307SU	307	8,600	2000 X 2000 X 2150	2120 X 2120 X 2270	20	900 X 600
NLWH368SU1	368	10,320	2400 X 2000 X 2150	2520 X 2120 X 2270	28	900 X 600
NLWH543SU	543	15,216	2400 X 2000 X 3170	2520 X 2120 X 3290	42	900 X 600
NLWH679SU	679	19,020	2400 X 2500 X 3170	2520 X 2620 X 3290	42	900 X 800
NLWH1092SU1	1092	30,600	2400 X 2500 X 5100	2520 X 2620 X 5220	70	900 X 800
NLWH1787SU1	1787	50,040	3000 X 4000 X 4170	3120 X 4120 X 4290	126	900 X 600
NLWH2857SU	2857	80,019	3000 X 5100 X 5230	3120 X 5220 X 5350	162	900 X 800

*Custom Build Chambers also available | * Models with Exterior powder coated GI sheet & Interior stainless steel (304) will be available on request.
Standard Inner Heights: 2.0, 2.4, 3.0 Mt | Standard Inner Width: 1.36, 2.0, 2.5, 4.0 Mt | Standard Inner Depths: 2.0,3.0, 4.0, 5.0 Mt

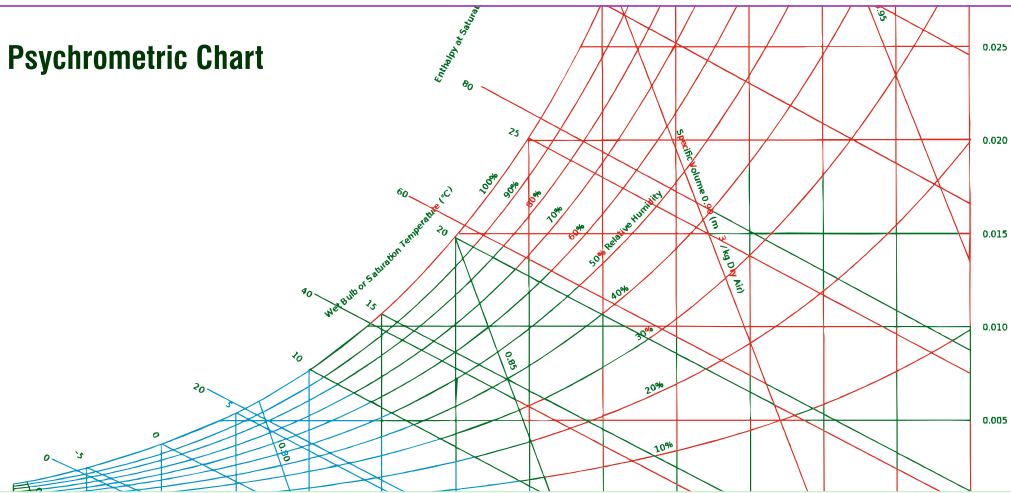
* Newtronic reserve the rights to change the product specifications without prior notice.



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

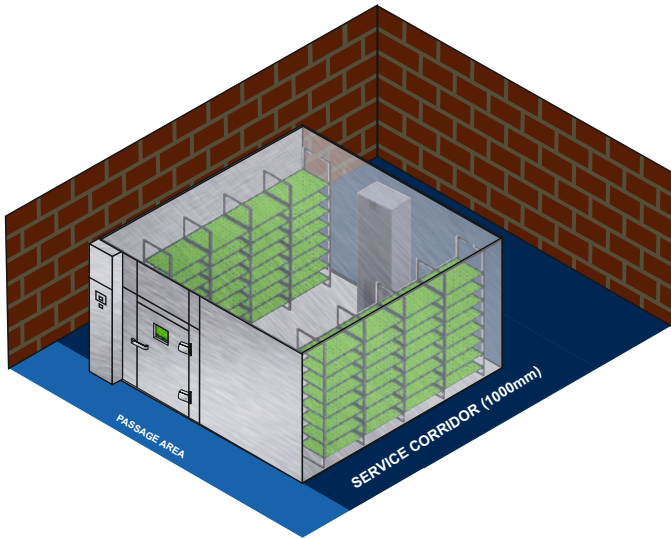
ECOTRONIC Walk-In Stability Chambers

Psychrometric Chart

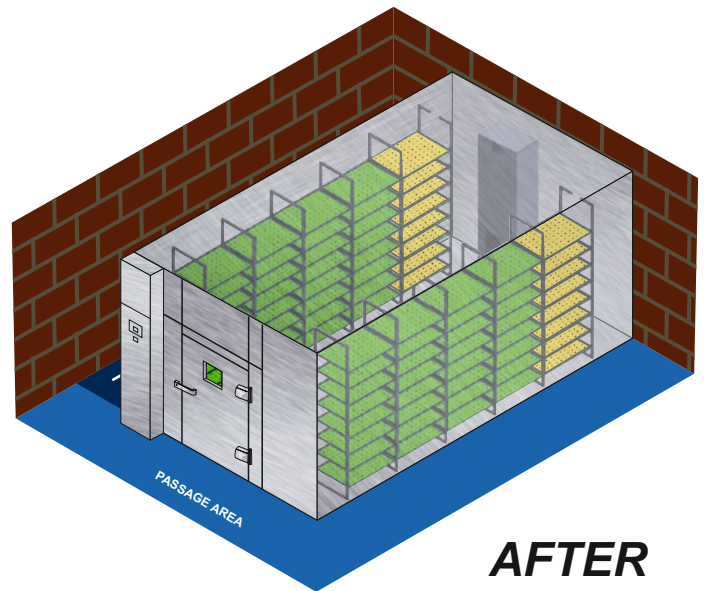


ecotronicSystem
Green Mode Energy Optimisation

Patented Technology
INTELLECTUAL PROPERTY INDIA No:398204



BEFORE



AFTER



Introducing a Patented Technology for Green Mode Energy Optimization



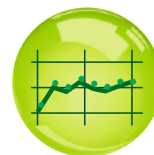
Based on Principles of Dew Point Control



Low Power & Water Consumption



More Storage Area



No short term Deviations



Less Breakdown

Temperature Range: 2°C to 8°C

Walk-In Cold Room



Also Available

Flameproof (Spark-free)
FIREsafe
 Walk-In Cold room

Standard Equipment

- Double walled with 60 mm PUF insulated modular panels with easy on-site assembly
- SS 304 Interior & Exterior either SS 304 or Pre Coated GI.
- Stainless Steel Trays
- Observation window - 300 x 300 mm
- PVC strip curtain for reducing temperature leakages
- Illuminated working area
- Flooring of Linoleum carpet
- Heater line along the door to avoid condensation
- Forced air circulation for uniform temperature
- CFC free cooling system consisting of hermetically sealed compressor coupled with evaporation coil & condenser
- System is made up of split type condenser unit in well-ventilated area to avoid throw of hot air in the room
- Complete Operations 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 temperature cut-off settable thermostat
- Audio/Visual alarms for deviations
- Complete with DQ, IQ, OQ, PQ & SOP & Maintenance Manual

Power supply: 230/415 volts 50 Hz main supply. Also available with 60 Hz Cycle.

SPECIFICATIONS

- Temperature Range : 2°C to 8°C
- Temperature Accuracy : ± 0.5°C
- Temperature Uniformity : ± 1°C

Optional Accessories

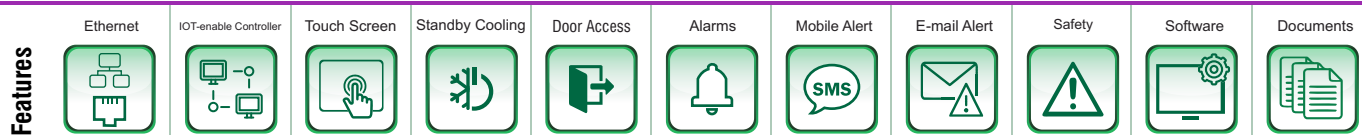
- ICDAS -A Single Software installation for all Newtronic make equipments
- 8 pt. Temperature Scanner
- Stand by Cooling System with auto switch over
- Door Access system (Numeric or Biometric)
- Remote alarm system suitable for upto 4 nos. Newtronic make equipments
- Mobile Alert System

◆ Selection Guide

Model	Capacity		Internal Size (H*W*D) mm	External Size (H*W*D) mm	Trays Qty.	Trays Size (W*D) mm
	CuFt.	Liter				
NLWC208SI	208	5,848	2000 X 1360 X 2150	2120 X 1480 X 2270	20	900 X 300
NLWC250SI	250	7,017	2400 X 1360 X 2150	2520 X 1480 X 2270	28	900 X 300
NLWC307SI1	307	8,600	2000 X 2000 X 2150	2120 X 2120 X 2270	20	900 X 600
NLWC368SI1	368	10,320	2400 X 2000 X 2150	2520 X 2120 X 2270	28	900 X 600
NLWC543SI1	543	15,216	2400 X 2000 X 3170	2520 X 2120 X 3290	42	900 X 600
NLWC679SI	679	19,020	2400 X 2500 X 3170	2520 X 2620 X 3290	42	900 X 800
NLWC1092SI1	1092	30,600	2400 X 2500 X 5100	2520 X 2620 X 5220	70	900 X 800
NLWC1787SI	1787	50,040	3000 X 4000 X 4170	3120 X 4120 X 4290	126	900 X 600
NLWC2857SI	2857	80,019	3000 X 5100 X 5230	3120 X 5220 X 5350	162	900 X 800

*Custom Build Chambers also available | * Models with Exterior powder coated GI sheet & Interior stainless steel (304) will be available on request.
 Standard Inner Heights: 2.0, 2.4, 3.0 Mt | Standard Inner Width: 1.36, 2.0, 2.5, 4.0 Mt | Standard Inner Depths: 2.0,3.0, 4.0, 5.0 Mt

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



Temperature Range: -25°C to 0°C

Walk-In Deep Freezers

Standard Equipment

- ▶ Double walled with 125 mm PUF insulated modular panels with easy on-site assembly
- ▶ SS 304 Interior & Exterior either SS 304 or Pre Coated GI
- ▶ Stainless Steel Trays
- ▶ PVC strip curtain for reducing temperature leakages
- ▶ Illuminated working area
- ▶ Flooring of Linoleum carpet
- ▶ Forced air circulation for uniform temperature
- ▶ CFC free cooling system consisting of hermetically sealed compressor coupled with evaporation coil & condenser
- ▶ System is made up of split type condenser unit in well-ventilated area to avoid throw of hot air in the room
- ▶ **Mechanism for equalizing air-pressure for door opening from inside**
- ▶ **Complete water-drainage facility with drain point, trays & piping**
- ▶ Complete Operations 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
- ▶ Audio/Visual alarms for deviations
- ▶ Complete with DQ, IQ, OQ, PQ & SOP & Maintenance Manual

Ante Room at 2-8 °C

Power supply: 415 volts 50 Hz main supply. Also available with 60 Hz Cycle.

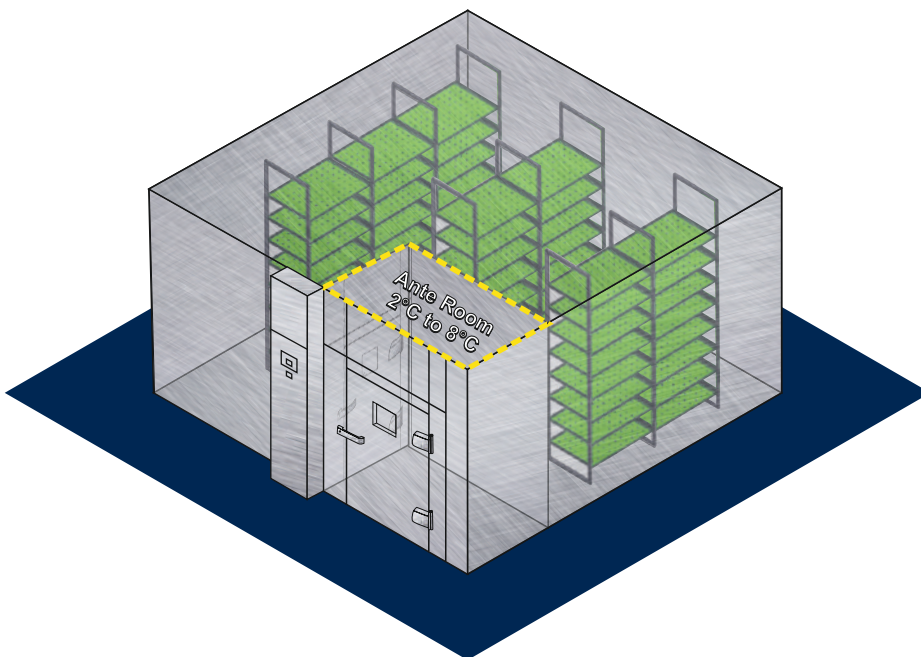


SPECIFICATIONS

- Temperature Range : -25 °C to 0 °C
- Temperature Accuracy : ± 3 °C
- Temperature Uniformity : ± 5 °C

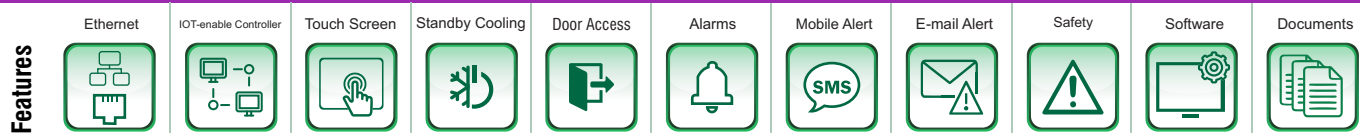
Optional Accessories

- ▶ ICDAS -A Single Software installation for all Newtronic make equipments
- ▶ 8 pt. Temperature Scanner
- ▶ Stand by Cooling System with auto switch over
- ▶ Remote alarm system suitable for upto 4 nos. Newtronic make equipments
- ▶ Mobile Alert System



Walk-In Deep Freezers (with Ante Room) are designed and manufactured as per customer requirements.

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



Temperature Range: 10°C to 60°C

Walk-In Incubators



Standard Equipment

- Double walled with 60 mm PUF insulated modular panels with easy on-site assembly
- SS 304 Interior & Exterior either SS 304 or Pre Coated G.I.
- Stainless Steel Trays
- Observation window - 300 x 300 mm
- PVC strip curtain for reducing temperature leakages
- Illuminated working area
- Flooring of Linoleum carpet
- Heater line along the door to avoid condensation
- U shaped SS tubular heaters
- Forced air circulation for uniform temperature
- CFC free cooling system consisting of hermetically sealed compressor coupled with evaporation coil & condenser
- System is made up of split type condenser unit in well-ventilated area to avoid throw of hot air in the room
- Complete Operations 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: 230/415 volts 50 Hz main supply. Also available with 60 Hz Cycle.

SPECIFICATIONS

- Temperature Range : 10°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
- 8 pt. Temperature Scanner
- Stand by Cooling System with auto switch over
- 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
	CuFt.	Liter				
NLWI208SI	208	5,848	2000 X 1360 X 2150	2120 X 1480 X 2270	20	900 X 300
NLWI250SI	250	7,017	2400 X 1360 X 2150	2520 X 1480 X 2270	28	900 X 300
NLWI307SI	307	8,600	2000 X 2000 X 2150	2120 X 2120 X 2270	20	900 X 600
NLWI368SI1	368	10,320	2400 X 2000 X 2150	2520 X 2120 X 2270	28	900 X 600
NLWI543SI	543	15,216	2400 X 2000 X 3170	2520 X 2120 X 3290	42	900 X 600
NLWI679SI	679	19,020	2400 X 2500 X 3170	2520 X 2620 X 3290	42	900 X 800
NLWI1092SI	1092	30,600	2400 X 2500 X 5100	2520 X 2620 X 5220	70	900 X 800
NLWI1787SI	1787	50,040	3000 X 4000 X 4170	3120 X 4120 X 4290	126	900 X 600
NLWI2857SI	2857	80,019	3000 X 5100 X 5230	3120 X 5220 X 5350	162	900 X 800

*Custom Build Chambers also available | * Models with Exterior powder coated GI sheet & Interior stainless steel (304) will be available on request.
Standard Inner Heights: 2.0, 2.4, 3.0 Mt | Standard Inner Width: 1.36, 2.0, 2.5, 4.0 Mt | Standard Inner Depths: 2.0,3.0, 4.0, 5.0 Mt

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

