

Temperature Range: -20°C to 50°C

Freeze Thaw Chambers

Storage conditions must be distributed in a manner that ensures that the product quality will not be adversely affected. With the exception of short transit times within the same climatic zone, it is virtually impossible to validate a shipping method against all environmental conditions.

Therefore, distribution stability studies are designed to generate additional data and to complement preformulation development and routine (ICH Q1A(R2)) studies



Standard Equipment

- ✔ Double walled with PUF insulation
- ✔ SS304 Interior & Exterior of Mild Steel
- ✔ Stainless Steel trays
- ✔ Metal door with gasket & lock on the outside
- ✔ Forced air circulation for uniform temperature
- ✔ PU wheels for easy movement
- ✔ U shaped SS tubular heaters
- ✔ CFC free cooling system consisting of hermetically sealed compressor coupled with evaporation coil & condenser
- ✔ 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 PT-100 Temperature sensor
- ✔ Safety devices: 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.

Mode of Operation

- ✔ User can program a specific profile needed for their application to enable rapid simulation conditions & the need to replicate freezing & thawing during product testing
- ✔ Upto 4 temperatures set point can be set in cyclic mode.
(eg. -20°C set for 48 hrs, 5°C for 24 hrs, 25°C for 72 hrs and 40°C for 120 hrs)
No. of such temperature cycles can be repeated

SPECIFICATIONS

- Temperature Range : -20°C to 50°C

Optional Accessories

- ✔ ICDAS -A Single Software installation for all Newtronic make equipments
- ✔ 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.
NLFT7MI	7	200	510 X 560 X 700	1500 X 720 X 880	2	540 X 605	175	250
NLFT11MI	11	300	910 X 560 X 590	1955 X 720 X 770	3	540 X 495	225	300
NLFT14MI	14	400	910 X 560 X 785	1955 X 720 X 965	3	540 X 690	275	350
NLFT25MI	25	700	1200 X 800 X 730	2120 X 960 X 1020	4	780 X 635	300	375
NLFT34MI	34	1050	1200 X 1200 X 730	2110 X 1360 X 1020	8	515 X 635	325	515
NLFT54MI	54	1500	1200 X 1500 X 830	2110 X 1660 X 1120	8	660 X 735	350	660

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

Features

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