



The name you can trust

Walk-in Humidity Chambers
Humidity Chambers
Stability Chambers



Manufacturer of : Humidity Chambers | Walk In Chambers | Cooling Chambers | Photostability Chambers
Incubators | Deep Freezers | Ultra Low Freezers | Pharma Refrigerators | Laboratory & Vacuum Ovens

Our Competence in Performance & Durability

Change in World...

Change in Time...

Change in Technology...

- PLC Controlled
- User Friendly Software
- Ethernet LAN based operation
- Complying to regulatory norms
- Documentation as per the respective regulatory affairs
- Backup Systems



One-stop supplier for environmental chambers.

The environmental chambers are built to last longer and to meet requirements now and in future.

Stability testing, **from 8 Ft³ (0.2 Mt³) to 6071 Ft³ (170 Mt³) and customised.**

Choice of Chambers
to Meet Your Specific Needs

proved by our quality

When you require a high precision cabinet to meet
ICH, FDA, TAPPI, ASTM, TGA, JPPMA, MHRA, ANVISA, ASEAN
or national testing standards?

We prove that our Stability chambers is the **Ideal** choice.

Optimum uniformity and a wide temperature range for **easy compliance** with regulatory requirements

Rugged construction and durable shelving for **long life**

Broad range of options to create the **perfect fit** for your applications

Long-term testing at +25 °C / 60 % RH or 30 °C / 65 % RH

Accelerated testing at +40 °C / 75 % RH

Intermediate testing Temperature +30 °C / 65 % RH

The following test conditions were stipulated for substances or pharmaceuticals in semi-permeable packaging:

Long-term testing Temperature +25 °C / 40 % RH

Intermediate testing Temperature +30 °C / 35 % RH

Accelerated testing Temperature +40 °C / < 25% RH

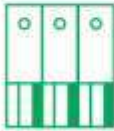
Other testing Temperature +30 °C / 75 % RH, +50 °C / Ambient % RH, +60 °C / 75 % RH

During the entire test the deviation in temperature is stipulated at ± 2 °C and the deviation in relative humidity is stipulated at ± 5 % RH.



Specialised Design

Technology n more....



Documentation Qualification:

For the approval of active substances and/or providing evidence of stability tests, numerous measures have to be carried out and confirmed over extremely long periods of time. For the purpose of ensuring flawless functioning of stability test chambers, such as compliance with fluctuations in temperature and humidity. These requirements are documented in a sustainable manner by means of our extensive qualification documentation.



The entire system qualification comprises:

Calibration & Validation Certificates, Design Qualification, Installation Qualification, Operation Qualification Performance Qualification. In addition to this we provide all the required documents such as circuit diagrams, component lists, operating instructions, preventive maintenance schedule and relevant certificates, e. g. component, customer support, engineer's certificate, etc.



Safety and Specimen Protection:

All the equipments are fitted with various safety systems for human and specimen protection. Combination of automatic and thermostatic over temperature safety devices ensures protection against elevated temperature. Similarly protection is provided for lower temperature. Special protection against humidity overshoot; which cuts off humidifier supply in case of overshooting of humidity.

In Walk In Chambers locks can be unlocked from inside without help of the key and an emergency alarm for human trap is provided.



Alarm Generation and Transmission:

In case of deviation or internal problem, audio and visual alarms are generated. These alarms can be transmitted to multiple locations. For any problem alarm is generated on equipment, the same is been transferred to computerised system and stored in separate alarm/event log file.

Critical alarms such as temperature and humidity deviations are transmitted to mobile phones via SMS message. Equipment's alarm system can also be connected to centralised alarm system or BMS system.



Lockable Door



Adjustable Shelf



Viewing Window



Door Access with Touchscreen (Optional)

Unique Features

Humidity Chambers (Stability Chambers) Walk-in Humidity Chambers



Product Diversity

Our comprehensive standard range of humidity chambers from 200 Liters to 1000 Liters as well as the walk-in test chambers as standard solutions from 5.44 Mt³ to 170 Mt³ or customised chambers are available for the execution of stability tests.

Fine Interior with specialised
key features

& Standard Scope of Delivery

Internal Chamber is made of Stainless Steel and the external is either made of powder coated Steel (M.S.) or Stainless Steel (S.S.) The unit works on 220 Volts AC and 50Hz mains supply (60Hz available on request).

Temperature Range: 20°C to 60°C Accuracy: ± 0.2° C Uniformity : ± 1°C
 Humidity Range : 40% RH to 95% RH Accuracy: ± 2% RH Uniformity : ± 3% RH

◆ Selection Guide of Humidity Chambers

Models		Capacity		Internal Dimension	External Dimension	Weight (Kg)		Trays	Tray Size
Exterior M.S.	Exterior S.S.	Cuft.	Liters	HxWxD (mm)	HxWxD (mm)	Equipment	Shipping	Nos	(mm)
NEC 208RT10I	NEC 208RT10SI	8	200	600 × 600 × 600	1150 × 760 × 1045	175	315	2	560 × 560
NEC 212RT10I	NEC 212RT10SI	12	324	900 × 600 × 600	1450 × 760 × 1045	205	350	3	560 × 560
NEC 216RT10I	NEC 216RT10SI	16	430	1200 × 600 × 600	1795 × 760 × 1095	230	375	4	560 × 560
NEC 221RT10I	NEC 221RT10SI	21	600	1200 × 700 × 700	1795 × 860 × 1195	320	480	4	660 × 660
NEC 228RT10I	NEC 228RT10SI	28	800	1200 × 800 × 800	1795 × 960 × 1295	345	505	4	760 × 760
NEC 234RT10I	NEC 234RT10SI	34	1000	1500 × 800 × 800	2095 × 960 × 1295	375	510	5	760 × 760

◆ Selection Guide of Walk - In Humidity Chambers

Models		Capacity		Internal Dimension	External Dimension	Trays	Tray Size
Exterior M.S.	Exterior S.S.	Cuft.	Liters	HxWxD (Mt)	HxWxD (Mt)	Nos	(Mt)
NEC 2190RI	NEC 2190RSI	190	5400	2.00 × 1.36 × 2.00	2.12 × 1.48 × 2.12	24	0.845 × 0.300
NEC 2230RI	NEC 2230RSI	230	6400	2.40 × 1.36 × 2.00	2.52 × 1.48 × 2.12	32	0.845 × 0.300
NEC 2280RI	NEC 2280RSI	280	8000	2.00 × 2.00 × 2.00	2.12 × 2.12 × 2.12	24	0.845 × 0.600
NEC 2340RI	NEC 2340RSI	340	9600	2.40 × 2.00 × 2.00	2.52 × 2.12 × 2.12	32	0.845 × 0.600
NEC 2530RI	NEC 2530RSI	530	15000	2.40 × 2.50 × 2.50	2.52 × 2.62 × 2.62	48	0.710 × 0.800
NEC 2640RI	NEC 2640RSI	640	18000	2.40 × 2.50 × 3.00	2.52 × 2.62 × 3.12	48	0.870 × 0.800

*Custom Build Chambers also available

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



Note: Size or specifications may change without prior notice

Features | Functionality | Flexibility

Variable Options

Standard Equipment

- PLC based control system
- Stand by humidity system
- Perforated stainless steel trays
- Audio and visual alarms for temperature/humidity deviation, utility and system failure
- Electronic capacitance humidity sensor
- Lockable doors
- Ethernet interface for software connection
- Safety device for temperature over/under shoot and humidity over shoot
- CFC free cooling system
- IQ, OQ, and PQ protocols

Options:

- **Software:** Centralised work station for viewing, trending, performance of equipment and alarm management, complies to US FDA 21 CFR PART 11
- Multiple temperature and humidity sensors for uniformity (auto - validation):
 - Humidity Chambers** : 4 channel temperature & humidity scanner
 - Walk-in-Chambers** : 8 channel temperature & humidity scanner
- Stand by cooling system in selected models
- Mobile alert system to send critical alarm alerts via SMS to 6 nos.
- Door access system with touch screen (3.8" monochrome or 5.7" colour screen)
- Remote alarm system (suitable for 4 equipments)
- Remote alarm view system



Specialised Designs

to meet specialised task

Our Product Range

Humidity Chambers



Laboratory Incubator / Ovens



Walk-In Chambers



Vacuum Ovens



Cooling / BOD Incubators



Deep Freezers



Photostability Chambers



Pharma Refrigerators



Innovation | Technology | Precision



www.newtronic.in



The name you can trust

NEWTRONIC LIFECARE EQUIPMENT PVT. LTD.

108-ABCD, Kandivli Co-op. Ind. Estate Ltd. Charkop, Kandivli (W),

Mumbai-400 067, India. | Tel: +91-22-2967 5114/15 | Fax: +91-22-2867 6059

E-mail: sales@newtronic.in