

Walk-In Stability Chambers

20°C – 60°C | 40% Rh – 95% Rh | Forced Air Circulation



Standard Equipment:

- Chamber operations are controlled by the Ecotronic System, which applies dew point principles based on the psychrometric chart
- Double-walled, 60 mm PUF-insulated modular panels designed for easy on-site assembly.
- 304 stainless steel interior; exterior either 304 stainless steel or PPGI
- Stainless steel trays
- Observation window 11.8" x 11.8" (300 x 300mm)
- PVC strip curtain to reduce temperature loss
- Illuminated work area
- Linoleum flooring
- Heater line running along the door to eliminate condensation
- U-shaped stainless steel heating elements
- Split-type condenser unit installed in a well-ventilated area to prevent discharging hot air into the room
- CFC-free cooling system with hermetically sealed compressor coupled with an evaporation coil and condenser
- Humidity controlled by dew point principles (for capacities >8KL)
- Standby humidity system with booster humidification
- PLC control system with 7" color touch display and data logging—up to 1000 records
- High-speed Ethernet communications
- Combination temperature and humidity sensor with 4-20mA output
- Safety devices
 - Configurable low and high temperature cut-off thermostats
 - Audio/visual alarms for deviations
- DQ, IQ, OQ, PQ, SOP and maintenance manual included

Optional Equipment:

- ICDAS-A single software installation for centralized data recording of up to 20 connected Newtronic devices.
- 8 pt. temperature and humidity scanner
- Standby cooling system with auto switchover
- Door access system (numeric or biometric)
- Remote alarm system for up to 4 connected Newtronic devices.
- Mobile alert system



Specifications:

- Temperature Range: 20°C up to 60°C
- Temperature Accuracy: ±0.5°C
- Temperature Uniformity: ±0.1°C
- Humidity Range: 40% Rh up to 95% Rh
- Humidity Accuracy: ±2% Rh
- Humidity Uniformity: ±3% Rh

Power Supply:

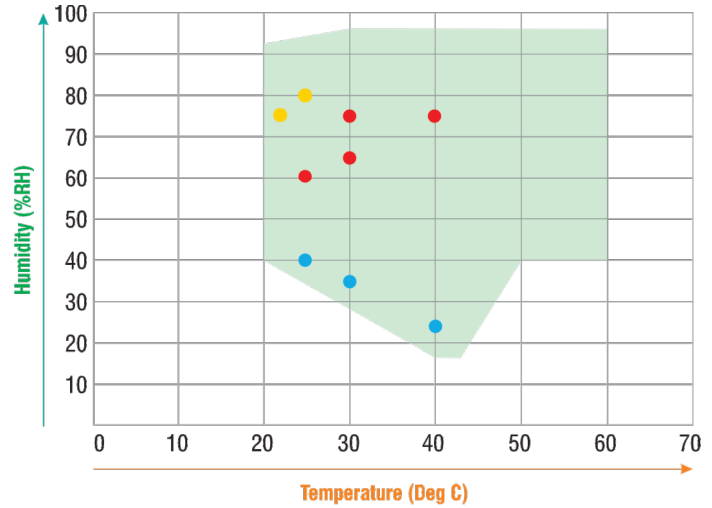
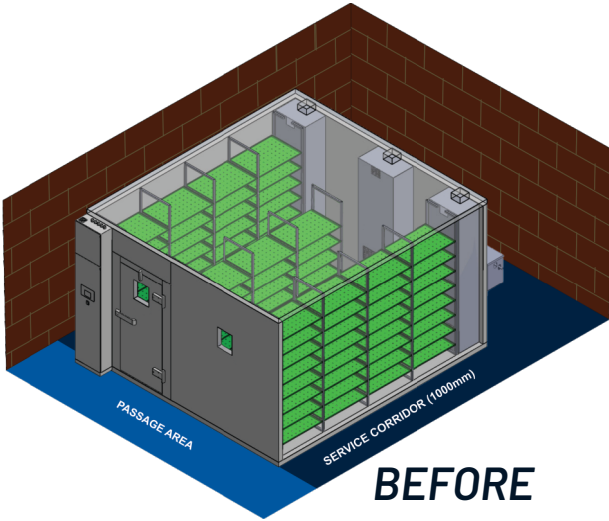
- 230V 50/60Hz

Model	Capacity		Interior Dimensions H x W x D (mm)	Exterior Dimensions H x W x D (mm)	Tray Qty.	Tray Dimensions W x D (mm)
	ft ³	Liter				
NLWH 208SI	208	5,848	78.4" x 53.5" x 84.7" (2000 x 1360 x 2150)	83.5" x 58.3" x 89.4" (2120 x 1480 x 2270)	20	35.4" x 11.8" (900 x 300)
NLWH 250SI	250	7,017	94.5" x 53.5" x 84.7" (2400 x 1360 x 2150)	99.2" x 58.3" x 89.4" (2520 x 1480 x 2270)	28	35.4" x 11.8" (900 x 300)
NLWH 307SU	307	8,600	78.4" x 78.4" x 84.7" (2000 x 2000 x 2150)	83.5" x 83.5" x 89.4" (2120 x 2120 x 2270)	20	35.4" x 23.6" (900 x 600)
NLWH 368SU1	368	10,320	94.5" x 78.4" x 84.7" (2400 x 2000 x 2150)	99.2" x 83.5" x 89.4" (2520 x 2120 x 2270)	28	35.4" x 23.6" (900 x 600)
NLWH 543SU	543	15,216	94.5" x 78.4" x 124.8" (2400 x 2000 x 3170)	99.2" x 83.5" x 129.5" (2520 x 2120 x 3290)	42	35.4" x 23.6" (900 x 600)
NLWH 679SU	679	19,020	94.5" x 98.4" x 124.8" (2400 x 2500 x 3170)	99.2" x 103.2" x 129.5" (2520 x 2620 x 3290)	42	35.4" x 31.5" (900 x 800)
NLWH 1092SU1	1,092	30,600	94.5" x 98.4" x 200.8" (2400 x 2500 x 5100)	99.2" x 103.2" x 205.5" (2520 x 2620 x 5220)	70	35.4" x 31.5" (900 x 800)
NLWH 1787SU1	1,787	50,040	118.1" x 157.5" x 164.2" (3000 x 4000 x 4170)	122.8" x 162.2" x 168.9" (3120 x 4120 x 4290)	126	35.4" x 23.6" (900 x 600)
NLWH 2857SU	2,857	80,019	118.1" x 200.8" x 205.9" (3000 x 5100 x 5230)	122.8" x 205.5" x 210.6" (3120 x 5220 x 5350)	162	35.4" x 31.5" (900 x 800)

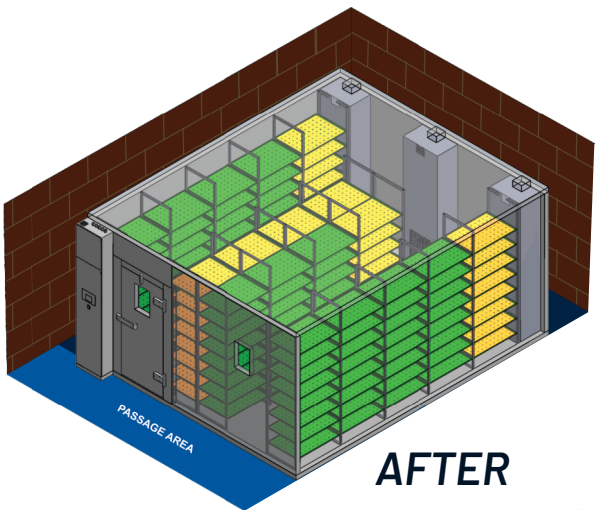
*_ Larger volumes available upon request. **_ Walk-in temperature / cooling rooms also available.

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



AFTER

Psychrometric Chart

