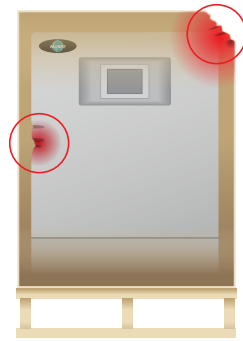


1 INSPECT, UNPACK, CLEAN

INSPECT

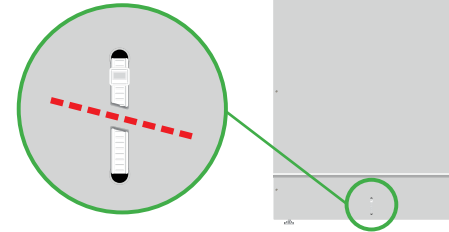
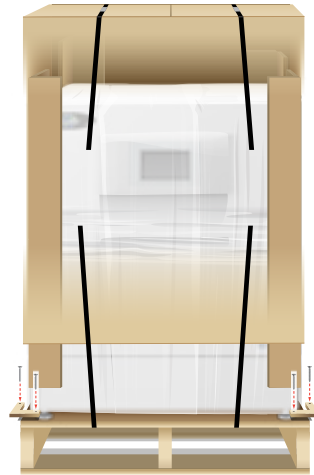
Upon delivery, inspect both the packaging and product for potential damage.



UNPACK

Leave the CO₂ incubator secured to the shipping skid until it is in the desired final location. Remove banding straps and unbox. Unscrew L-shaped brackets around the leg levelers on incubator skid.

Note: Open chamber door and remove the front valance for access to the front brackets.



Cut and remove plastic cable tie located on the lower rear exterior of the incubator. Fill holes with black hole plugs contained in your provided shipping kit.

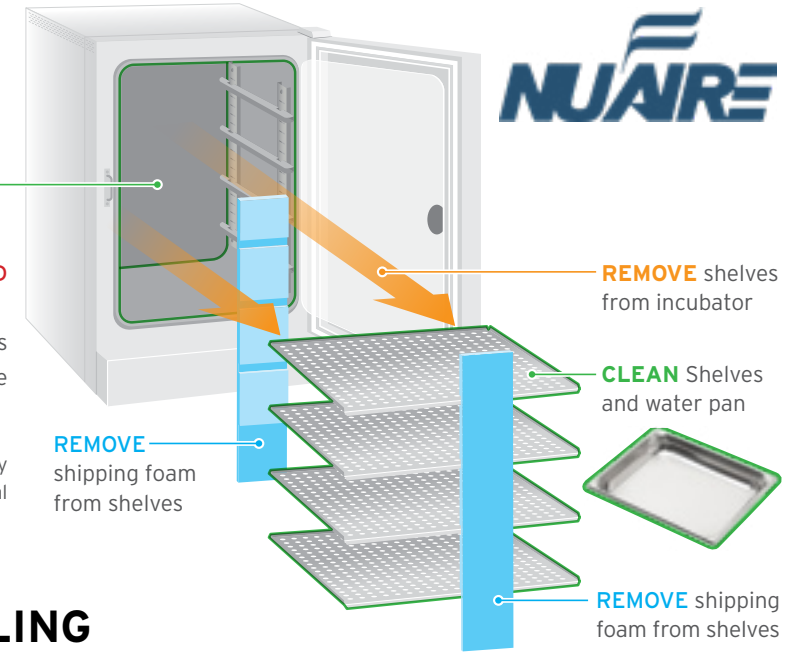
REMOVE SHIPPING FOAM AND CLEAN

CLEAN chamber interior guides, & supports

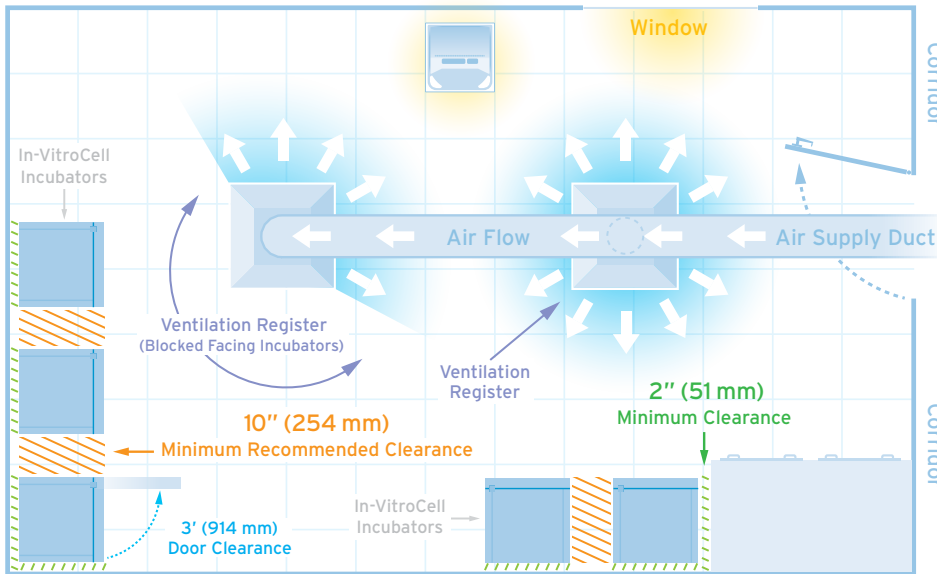
CAUTION: Use **NO CHLORINATED** or **HALOGEN** cleaning agents.

70% isopropyl or other disinfectants compatible with construction of the chamber are recommended.

Disclaimer: NuAire does not warrant any product with respect to cleaning material compatibility. Use at your own risk.



2 PLACE INCUBATOR IN LABORATORY



PLACEMENT CONSIDERATIONS

- A minimum of 2 in (51 mm) must be allowed between the rear and sides of the Incubator and a wall, or other non-heat generating surface.
- 10 inches (254 mm) is the recommended minimum clearance between incubators to avoid high-temperature decontamination cycles from interfering with the normal operation of an adjacent unit.
- Avoid placing the incubator near heating or cooling registers. If units must be placed near a register, block the flow in the direction of the incubator.
- Avoid placing incubator in an area subject to rapidly moving air currents.
- Avoid external sources of heat like direct sunlight, or an autoclave.
- Leave at least 3 ft (914 mm) in front of the incubator to allow clearance to open the door.
- The Incubator location should allow access to the power cord for connection and disconnection.
- The control center electronics should remain accessible for maintenance and service.

3 LEVELING

LEVEL

- Prior to use, the incubator should be leveled using a bubble level on a middle shelf in the chamber.
- The Incubator should have all 4 leveling feet firmly on the bench or floor.
- To raise the incubator turn the adjustable leveling feet counter-clockwise.



4 FILL WATER-JACKET

MODELS: NU-8600, NU-8625, NU-8631, NU-8645

- Install the fill port tube adapter into the water-jacket fill port and connect tubing to the adapter, and a funnel or serrated tap.
- Use only single distilled water, **NO PURER THAN ONE MΩ**.
- Fill the water-jacket until "Maintenance Required" indicator on the display turns off, then add up to an additional gallon (3-4 liters) of water.
- The total capacity of the water-jacket is 18 to 20 gallons (68 to 75 liters).
- A safety overflow port is located next to the primary fill port.



Warning: Water-jacket requires no anti-bacterial agents. **DO NOT USE CHLORINATED OR HALOGEN MATERIALS IN THE WATER-JACKET.**

5 FILL HUMIDITY SOURCE

FILL WATER PAN

MODELS: NU-5700, NU-5710, NU-5731, NU-5800, NU-5810, NU-5831, NU-8600, NU-8625, NU-8631, NU-8645

- Fill the water pan with either distilled or mineral-free water, **NO PURER THAN ONE MΩ**, and place at the bottom of the incubator chamber.
- Water in the pan should be changed at least once a week.



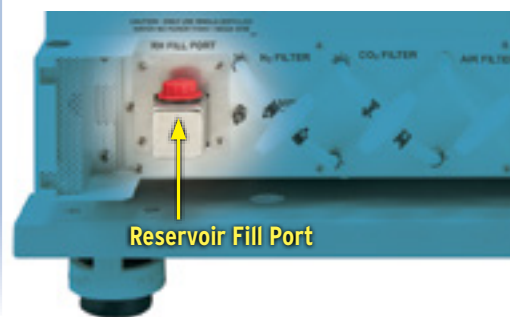
FLOODING THE BOTTOM OF THE INCUBATOR CHAMBER IS NOT RECOMMENDED.

FILL WATER RESERVOIR

MODELS: NU-5720, NU-5820, NU-5741, NU-5841

Incubator models with relative humidity control systems require filling of the internal reservoir. Remove valance cover to access reservoir. Remove red screw cap. Fill reservoir using only single distilled water, **NO PURER THAN ONE MΩ**.

Note: A water pan is provided with RH incubator models to assist with calibration. A water pan is not needed for operation.



6 CONNECTIONS AND OTHER SETUP TASKS

CONNECTIONS

Connect the low pressure side of a two-stage regulator at the CO₂ supply* to the incubator using the 6 ft (2 m) length of included vinyl tubing. Secure to the port labeled "CO₂ INLET" with the clamps supplied.

Caution: DO NOT USE A SINGLE STAGE REGULATOR.

For incubators with oxygen control, (NU-5831, NU-5841, NU-5731, NU-5741, NU-8631, NU-8645) a second length of tubing is included. Connect and secure tubing from the low pressure side of a two-stage regulator at the N₂ supply* to the port labeled "N₂ INLET".

Caution: DO NOT USE A SINGLE STAGE REGULATOR.

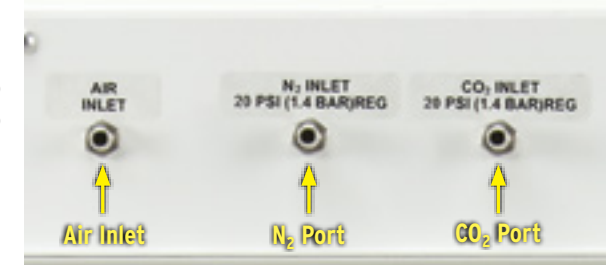
CO₂ and N₂ pressure to the incubator is rated at 20 PSIG or 1.4 BAR. **DO NOT EXCEED 25 PSIG or 1.8 BAR** to avoid damaging the incubator.

For CO₂ / N₂ pressure less than 17 PSI down to 10 PSI an inject time calibration should be run. This function is accessed via the CO₂ Calibration screen on the control center.

A two-stage pressure regulator, Linde #19590 or equivalent is recommended. (NuAire regulator accessories: NU-1564 for CO₂, NU-3556 for N₂).

Air inlet is a free air supply. Do not pressurize.

*Medical grade CO₂ / N₂ is recommended.



Vinyl Tubing with Clamps and optional in-line HEPA Filter (Left), Two-Stage Gas Regulator, Available from NuAire (Right)

TURN ON INCUBATOR

Once incubator is turned on, let it run for 8-12 hours in order to reach temperature stabilization.

Set data/time in the display if needed.

NOTE: Calibration of control systems was performed at NuAire facilities. Re-calibration of control systems can be performed under customer environmental conditions.