TECHNICAL BULLETIN
SERVICE INFORMATION
RETROFIT/UPGRADE

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Preventative Maintenance for
NuAire CO2 Incubators

1. GENERAL MAINTENANCE & CLEANING (PERFORMED PERIODICALLY)

- Clean Exterior: Use a mild detergent and single distilled water as needed.
- Clean Stainless Steel Interior: Wipe down with an appropriate disinfectant such as 70% Isopropyl Alcohol or equivalent non-corrosive disinfectant as necessary. Do not use and Chlorinated or Halogen materials on Stainless Steel.
- For Water Pan: Use only single distilled water. Clean pan and change water on a weekly basis.
  A small amount of Copper Sulfate can be added to the water pan to prevent bacteria growth from occurring.
- Replace gas supply line filters (CO2 & N2): every fifth tank or when the filter is visibly discolored.
- For Air Inlet Filter: Replace every 3 to 6 months or when the filter is visibly discolored.

2. PREVENTATIVE MAINTENANCE & CALIBRATION (PERFORMED AT MINIMUM EVERY 6 MONTHS):

Perform Preventative Maintenance, Check Incubator and Adjust or Correct as Needed:

- Gas or water leaks.
- Tubing cracks and tight connections.
- Door switch functionality.
- All displays & indicator lights working normally.
- Tank switch functionality (if applicable)
- Chamber contamination or condensation.
- Pressure settings on gas regulators.
- Operation of all motors, fan, pumps and heaters.
- Ability of Incubator to recover to correct gas % within specified time.
- CO2 sensor and heater operation.
- Inspect all filters for discoloration and integrity, replace as needed.
- Ensure water level in water jacket is full (if applicable)
- Inner & outer doors functioning & sealing properly
- All caps in place; (i.e. side access port, RH reservoir & CO2 sample port)

Perform Calibration

- Chamber temperature calibration.
- CO2 calibration.
- Perimeter and door calibration (if condensation is noted on doors and walls)
- RH calibration (if applicable)
- O2 calibration (if applicable)

3. PREVENTATIVE MAINTENANCE (PERFORMED EVERY 2 YEARS)

- Replace chamber HEPA Filter of Air-Pump Capsule Filter.