PORTABLE INCUBATOR NQPLUS SERIES

Darwin Chambers Portable Incubators NQPlus Series have several uses, such as:

- Transporting Blood samples
- Water Treatment Research
- Maintaining Microbiological Cultures for Cell Research

The new NQPlus Series removes the possibility of blood and/or dangerous chemicals getting into the component case. Our newer secure latch lid provides safer sample transportation and prevents accidental openings. As an added option, we have incorporated lightweight Lithium-Iron Phosphate (LFP) battery technology to power the unit on battery power alone. This will be useful anywhere a 120V or 12V power supply is not available. For longer periods of time, extra battery power can be added if required for your incubator needs.

**Construction**

- Top-opening, hinged and latch lid, with durable handles for easy carrying and transportation.
- Exterior: Double wall foam insulation, seamless high-density polyethylene, foamed-in-place closed-cell insulating material.
- Interior: One piece molded poly with coved floor for ease of cleaning.

**Capacity**

- NQ7P Interior dimensions: 7.1" L x 9.8" W x 4.1" H. Exterior Dimensions: 10.3"L x 13.5"W x 9.8"H. Weight: 5.8 lbs.
- NQ9P Interior dimensions: 7.5" L x 10.6" W x 5.2" H. Exterior Dimensions: 9.6"L x 13.1"W x 10.7"H. Weight: 4.11 lbs
- NQ16P Interior dimensions: 8.9" L x 12.8" W x 6.1" H. Exterior Dimensions: 12.3" L x 16.9" W x 12.5" H. Weight: 8.2 lbs.
- NQ30P Interior dimensions: 10.5" L x 12.2" W x 10.3" H. Exterior Dimensions: 15.7" L x 21.4" W x 20" H. Weight: 15.9 lbs.
- NQ55P Interior dimensions: 11.4" L x 24" W x 10.7" H. Exterior Dimensions: 17.8" L x 30.3" W x 16.4" H. Weight: 32.1 lbs.

**Features**

- Heat only with a High/Low temperature cut off.
- Hinged and latch lid allows for a more secure transportation.
- NQ30P & NQ55P attached oversized drain plug allows easy cleaning.
- Standard, redundant high temperature over-ride.
- Ruggedized interface panel.
- Redundant power inlets.

**Options**

- Attached document pouch.
- Petri dish rack
- Test tube rack
- Optional battery pack
  - Ultra-lightweight. Less than 1/4 the weight of comparable lead-acid battery.
  - The battery pack is approximately 3" (7.6cm) in additional width and weighs 3.2lbs (1.7kg).
  - Incredibly long battery life.
  - Lightweight Lithium-Iron Phosphate (LFP) Batteries are proven rugged.
  - Li-Fe batteries are the standard type of batteries for motorcycle and automobile racing due to their weight, output, and reliability.
  - Safe. Unlike other lithium based batteries, Li-Fe batteries are not susceptible to overheating and spontaneous fire. Unlike lead-acid batteries, there is no lead or acid to worry about.

**Standard Specifications:**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Temperature Range</strong></td>
<td>Ambient +5°C to 37°C, ±1.0°C</td>
</tr>
<tr>
<td><strong>Control Readout</strong></td>
<td>Actual and Set-Point Values</td>
</tr>
<tr>
<td><strong>Sensor</strong></td>
<td>Type K Thermocouple</td>
</tr>
<tr>
<td><strong>Controller</strong></td>
<td>Microprocessor based</td>
</tr>
<tr>
<td><strong>Calibration Capability</strong></td>
<td>Yes, Actual and Set Values</td>
</tr>
<tr>
<td><strong>Alarm</strong></td>
<td>Visible</td>
</tr>
<tr>
<td><strong>Alarm Type</strong></td>
<td>Absolute Hi/Lo, 1°C increments</td>
</tr>
<tr>
<td><strong>Cord Length</strong></td>
<td>6’</td>
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</tbody>
</table>

**Warranty**

Darwin Chambers Company offers a full 6 month warranty on all parts and labor for our NQPlus Series Portable Incubators.