The LabDELTA® Concentrated pH adjustment system is a skid-mounted system designed for neutralizing small-volumes of concentrated laboratory wastewater. This system includes holding tanks for storing both acidic and caustic wastewater. The wastes are alternately added in small increments to a reaction tank containing a heel of water. Once level is made in the reaction tank and the wastewater is neutralized it is discharged to the sewer. If a waste is depleted during a treatment cycle, the system automatically switches to using chemical reagents for pH neutralization.

**Specifications**
- Inlet pH ranges of pH < 1 and pH > 13
- Inlet temperatures up to 160 °F
- Double contained waste and chemical tanks
- Skid-mounted design, ready to install
- Factory piped, wired, and tested before shipment
- Indoor installation

**Standard Features**
- 5-gallon concentrated waste holding tanks
- 5-gallon batch reaction tank
- 5-gallon chemical reagent tanks
- Pre-wired UL-Listed remote control panel
- NEMA 4 powder-coated steel enclosure
- PLC-based control system with 7” color touchscreen HMI with built-in remote access via Ethernet
- Dry contacts for common alarm and pH excess time out of range
- Run permissive for remote enable/disable
- pH probe in reaction tank
- Discharge pH logging
- PVC metering pumps
- Double containment with leak switch

**Utility Requirements**
- 115 VAC, 1-PH, 60 Hz, 15 amps
- City Water: 0.5 GPM @ 10 PSI

**Optional Features**
- Acidic waste only treatment systems
- Caustic waste only treatment systems
- Pumped or gravity discharge
# LabDELTA® CONCENTRATED

## ORDERING INFORMATION

<table>
<thead>
<tr>
<th>LDX</th>
<th>LabDELTA® Concentrated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discharge Type (Choose One)</td>
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</tr>
<tr>
<td>-G</td>
<td>Gravity Discharge</td>
</tr>
<tr>
<td>-P</td>
<td>Pumped Discharge</td>
</tr>
<tr>
<td>Type of Chemical Addition (Choose One)</td>
<td></td>
</tr>
<tr>
<td>-A</td>
<td>Acid Addition (for high pH wastewater, pH &gt; 13)</td>
</tr>
<tr>
<td>-B</td>
<td>Acid and Caustic Addition (for wastewater pH &gt; 13 and &lt; 1)</td>
</tr>
<tr>
<td>-C</td>
<td>Caustic Addition (for low pH wastewater, with pH &lt; 1)</td>
</tr>
</tbody>
</table>

**Example Part Number**

LDX -G -B | LDX-G-B

## DIMENSIONS AND TECHNICAL INFORMATION

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Dimensions</th>
<th>Dry Weight</th>
<th>Operating Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDX-G-A/C</td>
<td>A 40&quot; B 29&quot; C 38&quot; D 11.5&quot;</td>
<td>200 lbs</td>
<td>375 lbs</td>
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<tr>
<td>LDX-P-A/C</td>
<td>A 40&quot; B 29&quot; C 38&quot; D 33&quot;</td>
<td>205 lbs</td>
<td>380 lbs</td>
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<tr>
<td>LDX-G-B</td>
<td>A 60&quot; B 29&quot; C 38&quot; D 11.5&quot;</td>
<td>350 lbs</td>
<td>625 lbs</td>
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<tr>
<td>LDX-P-B</td>
<td>A 60&quot; B 29&quot; C 38&quot; D 33&quot;</td>
<td>355 lbs</td>
<td>630 lbs</td>
</tr>
</tbody>
</table>

![Diagram of LabDELTA® CONCENTRATED](image)

Specifications subject to change without notice

Page 2 of 2

Rev. 0 - February 2014