ProBlue Liberty™
Integrated Tankless Melter and Fill System

ProBlue Liberty tankless system adds and melts only the adhesive you need, when you need it.

Integrated tankless melter and fill system maintains consistent adhesive levels, increasing uptime while delivering energy and maintenance savings that result in increased operating efficiency and lower per-package costs.

A sensor monitors molten adhesive levels in the hopper and alerts the system when adhesive is needed. The closed system helps maintain adhesive bond strength by minimizing degradation that comes from prolonged thermal exposure, temperature variation and exposure to contaminants.

Features

- Hopper lid allows for easy access and sealed design maintains adhesive purity by protecting from plant debris
- Disposable hydraulic filter is easy to reach and eliminates the need for routine filter flushing
- Automatic pressure discharge valve relieves pressure into melter in seconds
- Quick-disconnect power and I/O plugs combined with a patented, quick-release base design help simplify set up

Benefits

- Service, maintenance and daily operation can be performed from one side of the melter
- Plug-in modules increase uptime by allowing quick addition and removal of hoses and applicators

Benefits

- Improves product quality and bond strength by maintaining consistent adhesive temperature, purity and bead volume
- Increases efficiency and safety
- Increases uptime with quick and easy maintenance provided by one-sided access to board fuses, quick-disconnect electrical replacement elements and front access to filter, pump and controls
- Increases plant operating efficiency by lengthening maintenance cycle and parts life while reducing machine jamming from pop-opens
### Specifications

**Maximum melter set point**
- 204°C (400°F)

**Adhesive Forms**
- Pellets
- Pastilles: up to 12 mm (0.472 in. diameter)
- Mini-slats: up to 12 mm x 12 mm (0.472 x 0.472 in.)

**Adhesive Storage Container**
- See Adhesive Storage Container Data Sheet

**Type of System**
- Non-circulating grid/hopper (15:1 SP-style piston pump)

**Maximum Pump Rate**
- 32.7 kg/hr (72 lb/hr)

**Maximum Working Hydraulic Pressure**
- 10.3 MPa (1500 psi)

**Temperature Range**
- 40°C to 204°C (100°F to 400°F)

**Ambient Temperature Range**
- 0 to 40°C (32°F to 100°F)

**Temp. Control Stability**
- ±0.5°C (1°F)

**Input/Output Capability**
- 4 inputs & 3 outputs - come as standard; 10 inputs and 7 outputs - with optional expansion board; Ethernet IP & Fieldbus optional

**Hose Ports**

<table>
<thead>
<tr>
<th>Liberty 7</th>
<th>Liberty 14</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>9</td>
</tr>
</tbody>
</table>

**Electrical Service**

<table>
<thead>
<tr>
<th>Standard</th>
<th>Liberty 7</th>
<th>Liberty 14</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 to 240 VAC</td>
<td>200 to 240 VAC</td>
<td>200 to 240 VAC</td>
</tr>
<tr>
<td>1 or 3 phase 50/60 Hz</td>
<td>1 or 3 phase 50/60 Hz</td>
<td>1 or 3 phase 50/60 Hz</td>
</tr>
<tr>
<td>400/230 VAC</td>
<td>400/230 VAC</td>
<td>400/230 VAC</td>
</tr>
<tr>
<td>1 or 3 phase N/PE 50/60 Hz</td>
<td>1 or 3 phase N/PE 50/60 Hz</td>
<td>1 or 3 phase N/PE 50/60 Hz</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>w/Optional Transformer</th>
<th>Liberty 7</th>
<th>Liberty 14</th>
</tr>
</thead>
<tbody>
<tr>
<td>400 or 480 VAC Delta</td>
<td>400 or 480 VAC Delta</td>
<td></td>
</tr>
<tr>
<td>3 phase 50/60 Hz</td>
<td>3 phase 50/60 Hz</td>
<td></td>
</tr>
</tbody>
</table>

**Holding Capacity**
- 1.7 kg (3.7 lb)

**Melt Rate (per hour)**
- 7 kg (15 lb)

**Throughput (per hour)**
- 7 kg (15 lb)

**Max. Hose/Applicator Power Capacity**

| 2 hoses/applicators | 2000 watts |
| 4 hoses/applicators | 4000 watts |
| 6 hoses/applicators | N/A |

*2000 W per 2 hose & 2 applicator pair; 1200 W per hose & applicator pair and 1000 W per channel

**Unit Dimensions (WxHxD)**

<table>
<thead>
<tr>
<th>Liberty 7</th>
<th>Liberty 14</th>
</tr>
</thead>
<tbody>
<tr>
<td>539.1 x 485.9 x 371.9 mm</td>
<td>606.7 x 571.5 x 390.6 mm</td>
</tr>
<tr>
<td>(21.22 x 19.13 x 14.64 in)</td>
<td>(23.89 x 22.50 x 15.38 in)</td>
</tr>
</tbody>
</table>

---

*Not available for sale in Australia.*

Nordson Corporation
11475 Lakefield Drive
Duluth, GA 30097-1511

(800) 683-2314
nordson.com/hotmelt