

# 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 adhesive levels, improving productivity while delivering adhesive, energy and maintenance savings across multiple lines.

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 due to prolonged thermal exposure, temperature variation and exposure to contaminants.

### Features

- Tankless design and melt-on-demand technology melts only what is needed
- Hopper lid allows for easy access, yet keeps out dust and other contaminants
- Adhesive fill system transfer hoses and hot melt hoses available in a variety of lengths allowing for location flexibility
- Status-at-a-glance graphic controls make system monitoring easy
- 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 and a patented, quick-release base design help simplify set up
- Service, maintenance and daily operation can be performed from one side of the melter

### Benefits

- Tankless design improves adhesive intensity and reduces energy consumption and adhesive char
- Minimizes maintenance with easy access to board fuses, quick-disconnect electrical replacement elements and front access to filter, pump and controls
- Shortens downtime because plug-in modules allow you to quickly add and remove hoses and guns
- Reduces poor bonding by minimizing adhesive temperature variation and operating as a closed system keeping out contaminants
- Minimizes the need to oversize a melter based on tank size because the integrated fill system provides as much adhesive that's needed for any application
- Simplifies parent machine integration

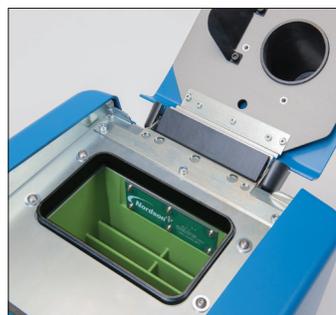


**Specifications**

<b>Maximum melter set point</b>	204°C (400°F)	
<b>Adhesive Forms</b>	Pellets, pastilles, mini-slats Pastilles: 12 mm (0.472 in. diameter) Mini-slats: 12 mm x 12 mm (0.472 x 0.472 in.)	
<b>Adhesive Storage Container</b>	See Adhesive Storage Container Data Sheet	
<b>Type of System</b>	Non-circulating grid/hopper (15:1 SP-style piston pump)	
<b>Maximum Pump Rate</b>	32.7 kg/hr (72 lb/hr)	
<b>Filter Type</b>	Saturn basket-style filter	
<b>Maximum Working Hydraulic Pressure</b>	8.7 MPa (1260 psi)	
<b>Temperature Range</b>	40°C to 204°C (100°F to 400°F)	
<b>Ambient Temperature Range</b>	0 to 40°C (32°F to 100°F)	
<b>Temp. Control Stability</b>	±0.5°C (1°F)	
<b>Input/Output Capability</b>	3 standard outputs – programmable for function 4 standard inputs – programmable for function	
	<b>Liberty 7</b>	<b>Liberty 14</b>
<b>Hose Ports</b>	5	9
<b>Electrical Service</b>	200 to 240 VAC	200 to 240 VAC
<b>Standard</b>	1 or 3 phase 50/60 Hz	1 or 3 phase 50/60 Hz
	400/230 VAC	400/230 VAC
	1 or 3 phase N/PE 50/60 Hz	1 or 3 phase N/PE 50/60 Hz
<b>w/Optional Transformer</b>	400 or 480 VAC	400 or 480 VAC
	3 phase 50/60 Hz	3 phase 50/60 Hz
<b>Holding Capacity</b>	1.7 kg (3.7 lb)	1.7 kg (3.7 lb)
<b>Melt Rate (per hour)</b>	7 kg (15 lb)	14 kg (30 lb)
<b>Throughput (per hour)</b>	9 kg (20 lb)	14 kg (30 lb)
<b>Max. Hose/Applicator Power Capacity</b>		
<b>2 hoses/guns</b>	2000 watts	2000 watts
<b>4 hoses/guns</b>	4000 watts	4000 watts
<b>6 hoses/guns</b>	N/A	6000 watts
<b>Unit Dimensions (WxHxD)</b>	539.1 x 485.9 x 371.9 mm (21.22 x 19.13 x 14.64 in)	606.7 x 571.5 x 390.6 mm (23.89 x 22.50 x 15.38 in)



*Adhesive inlet tube and air filter*



*Hopper is easily accessible*



**For more information, speak with your Nordson representative or contact your Nordson regional office.**

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