

# DuraBlue® Adhesive Melter

Nordson

## 50 and 100 liter melters

Nordson DuraBlue adhesive melters are designed for simple, low-maintenance hot melt adhesive applications. Production flexibility is achieved through high-output pumps with a choice of preset speeds for the AC motors. The grid and reservoir tank design reduces adhesive degradation while maximizing adhesive throughput. The simple, versatile control panel offers a choice of programming method, using either the keypad or arrow keys.

DuraBlue 50 and 100 adhesive melters can also be utilized as pre-melters.

DuraBlue melters:

- Are easy to install
- Provide easy day-to-day operation
- Simplify routine maintenance



Large, accessible tank opening allows for easier filling and cleaning



Status-at-a-glance indicators graphically display the tank, hose and gun status



Easy-open panels make access to melter components quick



Pump shut-off valve and single tool removal provide quick, easy pump replacement



Quick plug-in hose/gun pairs

	DuraBlue 50	DuraBlue 100
<b>Holding Capacity</b>	50 L (3051 in <sup>3</sup> ) 48.5 kg (106.7 lb)	100 L (6102 in <sup>3</sup> ) 97.0 kg (213.4 lb)
<b>Throughput (per hour)<sup>1</sup></b>	75 kg (165 lb)	150 kg (330 lb)
<b>Melt Rate (per hour)<sup>1</sup></b>	50 kg (110 lb)	100 kg (220 lb)
<b>Weight (empty)<sup>4</sup></b>	245 kg (540 lbs)	330 kg (725 lbs)
<b>Number of Guns</b>	6	6

**Specifications**

<b>Type of System</b>	Release-coated grid and reservoir Pump with preset speed AC motor	
<b>Maximum Pump Rate<sup>1</sup></b>	<b>50 liter</b> 35, 45 or 90 kg/hr (77, 99 or 198 lb/hr)	<b>100 liter</b> 51, 67 or 132 kg/hr (99, 198 or 297 lb/hr)
<b>Filter Type</b>	Saturn® basket-style filter	
<b>Maximum Working Hydraulic Pressure</b>	85 bars/8.5 MPa (1230 psi)	
<b>Operating Temperature Range</b>	40 to 230°C (100 to 450°F)	
<b>Ambient Temperature Range</b>	0° to 50°C (32 to 122°F)	
<b>Temperature Control Stability</b>	±1°C (2°F)	
<b>Electrical Service<sup>2</sup></b>	200 VAC 3 phase 50/60 Hz <sup>3</sup> 200 to 240 VAC 3 phase 50/60 Hz 380 to 415 VAC-Y (3 phase N/PE) 50/60 Hz 400 VAC 3 phase 50/60 Hz <sup>3</sup> 480 VAC 3 phase 50/60 Hz <sup>3</sup>	
<b>Maximum System Power Capacity</b>	<b>50 liter</b> 17275 watts	<b>100 liter</b> 25890 watts
<b>Input/Output Capability Standard</b>	3 STD Outputs - programmable for function 4 STD Inputs - programmable for function	
<b>Melter Dimensions (W x H x D)</b>	<b>50 liter</b> 1000 x 1382 x 782 mm (39.4 x 54.4 x 30.8 in)	<b>100 liter</b> 1100 x 1382 x 1035 mm (43.3 x 54.4 x 40.8 in)
<b>Installation Dimensions (W x H x D)</b>	1560 x 1661 x 1031 mm (61.4 x 65.4 x 40.6 in)	2699 x 1565 x 1281 mm (106.3 x 61.6 x 50.4 in)
<b>Protection</b>	IP 54	

<sup>1</sup> Actual rates will vary depending on adhesive type, application parameters and input voltage.

<sup>2</sup> Permitted deviation from rated line voltage is ±10%.

<sup>3</sup> With integrated transformer.

<sup>4</sup> Weight depends on melter configuration.

Castors optional.



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

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