

# AltaBlue™ Touch Series Large Format Adhesive Melters

## 30 and 50 liter Melters

Nordson® AltaBlue touch series melters are designed for precise, demanding hot melt adhesive applications. A choice of metering spur-gear pumps with variable-speed AC motors and key-to-line functionality satisfies a wide range of manufacturing requirements. A non-stick coated tank and reservoir design reduces adhesive degradation while maximizing adhesive throughput. The Optix™ user interface offers a color LCD touch screen for intuitive control.

AltaBlue touch series melters enable pressure and flow monitoring and control through optional control boards. This integrated solution simplifies the system and reduces cost while providing a means for measuring and controlling material dispense rate in response to production rate changes. Through variation management, material consumption is reduced while product quality and production efficiency are enhanced.

AltaBlue touch series melters:

- Offer intuitive control via Optix user interface
- Enable pressure and flow monitoring and control through an integrated option
- Provide reliable day-to-day operation
- Simplify routine maintenance
- Maximize production up-time
- Serve a broad range of industries



## Specifications

<b>Type of System</b>	Release-coated tank and reservoir Spur-gear pump with variable-speed AC motor
<b>Number of Pumps</b>	Up to 4 single or dual stream pumps
<b>Maximum Pump Rate<sup>1 &amp; 2</sup></b>	1.4 to 82.1 kg/hr (3 to 181 lb/hr)
<b>Number of External Heating Channels</b>	Configurable up to 8 pairs
<b>Filter Type</b>	Basket-style, inside-out filter
<b>Maximum Working Hydraulic Pressure</b>	85 bar/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>Maximum External Power Capacity</b>	
<b>Channel Positions 1, 2, 5, 6 (each)</b>	1,200 watts per pair/1,000 watts per channel
<b>Channel Positions 3, 4, 7, 8 (each)</b>	2,000 watts per pair/2,000 watts per channel
<b>Electrical Service<sup>3</sup></b>	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>4</sup> 480 VAC 3 phase 50/60 Hz <sup>4</sup>
<b>Input/Output Capability Standard</b>	3 STD outputs - programmable for function 4 STD inputs - programmable for function
<b>Temperature Control Sensor Options</b>	Nickel 120 Ohm RTD, Platinum 100 Ohm RTD
<b>Ingress Protection Standard</b>	IP33
<b>Melter Dimensions (W x H x D)</b>	950 x 1465 x 950 mm (37.4 x 57.7 x 37.4 in.)
<b>Installation Dimensions (W x H x D)</b>	2780 x 1465 x 2780 mm (109.5 x 57.7 x 109.5 in.)

	AltaBlue 30	AltaBlue 50
Holding Capacity	30 L (1831 in <sup>3</sup> ) 29 kg (64 lb)	50 L (3051 in <sup>3</sup> ) 47.5 kg (104.7 lb)
Throughput (per hour) <sup>1</sup>	45 kg (99 lb)	50 kg (110 lb)
Melt Rate (per hour) <sup>1</sup>	30 kg (66 lb)	50 kg (110 lb)
Weight (empty) <sup>5</sup>	440 kg (970 lb)	472 kg (1041 lb)
Maximum System Power Capacity		
- 6 hose/gun	22,257 watts	24,507 watts
- 8 hose/gun	26,257 watts	28,507 watts

Configurable options available include:

- Pressure and flow monitoring and control (motor driven)
- Manual and pneumatic flow control
- Remote visual system (warning light tower system)
- Low level indication
- Communication: Ethernet, DeviceNet™, Profibus®
- Expanded I/O
- Motion switch

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

<sup>2</sup> Range given is for maximum pump rate of various pumps available.

<sup>3</sup> Permitted deviation from rated line voltage is ±10%.

<sup>4</sup> With integrated transformer.

<sup>5</sup> Weight depends on melter configuration.

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*DeviceNet is a trademark of Open DeviceNet Vendor Association, Inc.*

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