

AltaBlue™ Touch Series Large Format Adhesive Melters

30, 50 and 100 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

Type of System	Release-coated tank and reservoir Spur-gear pump with variable-speed AC motor
Number of Pumps	Up to 4 single or dual stream pumps
Maximum Pump Rate ^{1 & 2}	1.4 to 82.1 kg/hr (3 to 181 lb/hr)
Number of External Heating Channels	Configurable up to 8 pairs
Filter Type	Basket-style, inside-out filter
Maximum Working Hydraulic Pressure	85 bar/8.5 MPa (1230 psi)
Operating Temperature Range	40 to 230°C (100 to 450°F)
Ambient Temperature Range	0° to 50°C (32 to 122°F)
Temperature Control Stability	±1°C (2°F)
Maximum External Power Capacity	
Channel Positions 1, 2, 5, 6 (each)	1,200 watts per pair/1,000 watts per channel
Channel Positions 3, 4, 7, 8 (each)	2,000 watts per pair/2,000 watts per channel
Electrical Service ³	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 ⁴ 480 VAC 3 phase 50/60 Hz ⁴
Input/Output Capability Standard	3 STD outputs - programmable for function 4 STD inputs - programmable for function
Temperature Control Sensor Options	Nickel 120 Ohm RTD, Platinum 100 Ohm RTD
Ingress Protection Standard	IP33
Melter Dimensions (W x H x D)	950 x 1465 x 950 mm (37.4 x 57.7 x 37.4 in.)
Installation Dimensions (W x H x D)	2780 x 1465 x 2780 mm (109.5 x 57.7 x 109.5 in.)

	AltaBlue 30	AltaBlue 50	AltaBlue 100
Holding Capacity	30 L (1831 in ³) 29 kg (64 lb)	50 L (3051 in ³) 47.5 kg (104.7 lb)	100 L (6102 in ³) 100 kg (220.2 lb)
Throughput (per hour) ¹	45 kg (99 lb)	50 kg (110 lb)	100 kg (220.2 lb)
Melt Rate (per hour) ¹	30 kg (66 lb)	50 kg (110 lb)	100 kg (220.2 lb)
Weight (empty) ⁵	440 kg (970 lb)	472 kg (1041 lb)	590 kg (1301 lb)
Maximum System Power Capacity			
- 6 hose/gun	22,257 watts	24,507 watts	29,157 watts
- 8 hose/gun	26,257 watts	28,507 watts	33,157 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

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

² Range given is for maximum pump rate of various pumps available.

³ Permitted deviation from rated line voltage is ±10%.

⁴ With integrated transformer.

⁵ Weight depends on melter configuration.

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NWL-12-5752
Reissued 10/12
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