

# AltaBlue™ Plus Series Adhesive Melter

15, 30 and 50 liter Melter

For precise, demanding hot melt adhesive applications.



## Features and Benefits

- Large, fast touch screen HMI for Nordson new generation user interface.
- Modbus® TCP communication for IIoT.
- Increased high-power (2000W) heating zones
- New pressure transducer with easy calibration
- Pump RPM verification option
- Real-time display of Flow and Pressure control data on all channels
- Individual, per-pump Pressure buildup option



Nordson® AltaBlue Plus-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 standard Modbus® TCP communication module transparently supports industry interest in data and connectivity, which is commonly referred to as IIoT (Industrial Internet of Things).

Nordson's best-in-class tank/reservoir/manifold design reduces adhesive degradation while maximizing adhesive throughput. The large, integrated color touchscreen delivers fast response and ease of use through Nordson's intuitive graphical user interface. AltaBlue Plus-series melters support a number of flow and pressure control options for production optimization while minimizing customer investment. A range of new features and functionality is added to this new generation melter series to support the evolving needs of Nonwoven and Product Assembly industries.



# AltaBlue™ Plus Series Adhesive Melters 15, 30 and 50 liter Melters

## 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 <sup>1 &amp; 2</sup>	0.7 to 82.1 kg/hr (1.5 to 181 lb/hr)
External Heating	Up to 8 Hose / Applicator Pairs
Filter Type	Basket-style, inside-out filter
Maximum Working Hydraulic Pressure	85 bar/8.5 MPa (1230 psi)
Operating Temperature Range	40 to 232°C (100 to 450°F)
Ambient Temperature Range	0° to 40°C (32 to 104°F)
Temperature Control Stability	±1°C (2°F)
Maximum External Power Capacity	2,000 watts per pair/2,000 watts per channel
Electrical Service <sup>3</sup>	200 to 240 VAC 3 phase 50/60 Hz 380 to 415 VAC-Y (3 phase N/PE) 50/60 Hz
Input/Output Capability Standard	3 STD outputs 4 STD inputs
Temperature Control Sensor Options	Nickel 120 Ohm RTD, Platinum 100 Ohm RTD
Ingress Protection Standard	IP54

## Standard Format

Dimensions (W x H x D) 2 Pump Platform	590 x 1465 x 1240 mm (23 x 57.7 x 49 in.)
Installation Dimensions (W x H x D) 2 Pump Platform	2418 x 1465 x 3069 mm (95 x 57.7 x 121 in.)

	AltaBlue 15	AltaBlue 30	AltaBlue 50
Holding Capacity	15 L (915 in <sup>3</sup> ) 14.5 kg (32 lb)	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>	28 kg (62 lb)	45 kg (99 lb)	50 kg (110 lb)
Melt Rate (per hour) <sup>1</sup>	15 kg (33 lb)	30 kg (66 lb)	50 kg (110 lb)
Weight (empty) <sup>4</sup>	200 kg (440 lb)	225 kg (500 lb)	250 kg (550 lb)
Maximum System Power Capacity	19006 watts	20206 watts	23406 watts

## Large Format

Dimensions (W x H x D) 4 Pump Platform	890 x 1465 x 1240 mm (35 x 57.7 x 49 in.)
Installation Dimensions (W x H x D) 4 Pump Platform	2718 x 1465 x 3096 mm (107 x 57.7 x 121 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>4</sup>	440 kg (970 lb)	472 kg (1041 lb)
Maximum System Power Capacity 6 H/A Pairs	26226 watts	28476 watts
Maximum System Power Capacity 8 H/A Pairs	30226 watts	32476 watts

<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> Weight depends on melter configuration.



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

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