

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 ^{1 & 2}	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 ³	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 ³) 14.5 kg (32 lb)	30 L (1831 in ³) 29 kg (64 lb)	50 L (3051 in ³) 47.5 kg (104.7 lb)
Throughput (per hour) ¹	28 kg (62 lb)	45 kg (99 lb)	50 kg (110 lb)
Melt Rate (per hour) ¹	15 kg (33 lb)	30 kg (66 lb)	50 kg (110 lb)
Weight (empty) ⁴	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 ³) 29 kg (64 lb)	50 L (3051 in ³) 47.5 kg (104.7 lb)
Throughput (per hour) ¹	45 kg (99 lb)	50 kg (110 lb)
Melt Rate (per hour) ¹	30 kg (66 lb)	50 kg (110 lb)
Weight (empty) ⁴	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

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 Weight depends on melter configuration.



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

United States

Duluth, Georgia
(800) 683-2314 **Phone**
(866) 667-3329 **Fax**

Canada

Markham, Ontario
(800) 463-3200 **Phone**
(905) 475-8821 **Fax**

Europe

Erkrath, Germany
(49) 211-9205-0 **Phone**
(49) 211-254658 **Fax**

Japan

Tokyo, Japan
(81) 3-5762-2700 **Phone**
(81) 3-5762-2701 **Fax**

Asia/Australia/ Latin America

Amherst, Ohio
(440) 985-4797 **Phone**
(440) 985-1096 **Fax**

Find us on:



Learn more about
AltaBlue™ Melters

Issued 07/21
© 2021 Nordson Corporation All Rights Reserved. Printed in U.S.A. Nordson reserves the right to make design changes between printings.