

DuraBlue® Adhesive Melter

Nordson

50 and 100 liter melter

Nordson DuraBlue adhesive melter 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 melter can also be utilized as pre-melters.

DuraBlue melter:

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

Specifications

Type of System	Release-coated grid and reservoir Pump with preset speed AC motor	
Maximum Pump Rate¹	50 liter 35, 45 or 90 kg/hr (77, 99 or 198 lb/hr)	100 liter 51, 67 or 132 kg/hr (99, 198 or 297 lb/hr)
Filter Type	Saturn® basket-style filter	
Maximum Working Hydraulic Pressure	85 bars/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)	
Electrical Service²	200 VAC 3 phase 50/60 Hz 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 ³ 480 VAC 3 phase 50/60 Hz ³	
Maximum System Power Capacity	50 liter 17275 watts	100 liter 25890 watts
Input/Output Capability Standard	3 STD Outputs - programmable for function 4 STD Inputs - programmable for function	
Melter Dimensions (W x H x D)	50 liter 1000 x 1382 x 782 mm (39.4 x 54.4 x 30.8 in)	100 liter 1100 x 1382 x 1035 mm (43.3 x 54.4 x 40.8 in)
Installation Dimensions (W x H x D)	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)
Protection	IP 54	

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

² Permitted deviation from rated line voltage is ±10%.

³ With integrated transformer.

⁴ Weight depends on melter configuration.

Castors optional.



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

United States

Duluth, Georgia
Telephone: (800) 683-2314
Toll-free Facsimile:
(866) 667-3329

Canada

Markham, Ontario
Telephone: (800) 463-3200
Facsimile: (905) 475-8821

Europe

Lüneburg, Germany
Telephone: (49) 4131-894-0
Facsimile: (49) 4131-894-149

Japan

Tokyo, Japan
Telephone: (81) 3-5762-2700
Facsimile: (81) 3-5762-2701

**Asia/Australia/
Latin America**

Amherst, Ohio
Telephone: (440) 985-4797
Facsimile: (440) 985-1096

www.nordson.com



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