

ProBlue[®] Adhesive Melters

4, 7 and 10 liter melters

Nordson ProBlue melters help you maximize uptime and minimize operating costs with flexible design and simple operation



Installation is quick and easy. Compact size and a patented, centrally located manifold that allows hoses to run right or left means ProBlue melters fit on virtually any packaging line.

Quick-disconnect power and I/O plugs and a patented, quick-release base design further simplify set up.

Plus, plug-in modules let you add or subtract hoses and guns to meet changing production needs.

Daily operation and maintenance are simple. A non-stick, coated tank with three-sided access allows easy, clean filling.

Graphical controls feature service indicators for maintenance scheduling and status-at-a-glance indicators for ready, fault and service as well as tank, hose and gun temperature.

A disposable filter eliminates the need for routine filter flushing while helping prevent debris and contaminants in adhesive from reaching your products.

Operator safety is improved with a patented automatic pressure discharge (APD) valve that relieves pressure into the melter tank in seconds.



ProBlue® Adhesive Melters 4, 7 and 10 Adhesive Melters

Specifications

Type of System	Non-circulating tank (14:1 SP-style piston pump)
Maximum Pump Rate	32.7 kg/hr (72 lb/hr)
Filter Type	Saturn® basket-style filter
Maximum Working Hydraulic Pressure	8.7 MPa (1260 psi)
Temperature Range	40 to 230°C (100 to 450°F)
Ambient Temp. Range	0 to 50°C (32 to 122°F)
Temp. Control Stability	±0.5°C (1°F)
Input/Output Capability	3 standard outputs - programmable for function
Standard	4 standard inputs - programmable for function

Note: Integrated fill system versions available

	ProBlue 4	ProBlue 7	ProBlue 10
Hose Ports	5	5	9
Electrical Service	200 to 240 VAC	200 to 240 VAC	200 to 240 VAC
Standard	1 or 3 phase 50/60 Hz 200 to 240 VAC	1 or 3 phase 50/60 Hz 200 to 240 VAC	1 or 3 phase 50/60 Hz 200 to 240 VAC
	1 phase N/PE 50/60 Hz 400/230 VAC	1 phase N/PE 50/60 Hz 400/230 VAC	1 phase N/PE 50/60 Hz 400/230 VAC
w/ Opt. Transformer	3 phase N/PE 50/60 Hz 400 or 480 VAC 3 phase 50/60 Hz	3 phase N/PE 50/60 Hz 400 or 480 VAC 3 phase 50/60 Hz	3 phase N/PE 50/60 Hz 400 or 480 VAC 3 phase 50/60 Hz
Holding Capacity	3.9 kg (8.6 lb)	6.8 kg (15 lb)	9.7 kg (21.4 lb)
Melt Rate (per hour)	4.3 kg (9.5 lb)	8.2 kg (18 lb)	11 kg (24 lb)
Throughput (per hour)	6.8 kg (15 lb)	10.9 kg (24 lb)	12.4 kg (27.3 lb)
Volume	4 liter (244 in ³)	7 liter (427 in ³)	10 liter (610 in ³)
Max. System Power Capacity			
2 hoses/guns	4000 watts	4200 watts	4200 watts
4 hoses/guns	6000 watts	6200 watts	6200 watts
6 hoses/guns	N/A	N/A	8200 watts
Melter Weight (empty)	42 kg (93 lb)	43 kg (95 lb)	45 kg (99 lb)
Dimensions WxHxD			
Unit mm(in)	547 x 469 x 318 (21.5 x 18.5 x 12.5)	609 x 469 x 322 (24 x 18.5 x 12.7)	613 x 505 x 344 (24.1 x 19.9 x 13.5)
Mounting mm(in)	381 x 249 (15 x 9.8)	381 x 249 (15 x 9.8)	381 x 249 (15 x 9.8)
Installation mm(in)	648 x 502 x 362 (25.5 x 19.75 x 14.25)	711x 564 x 370 (28 x 22.2 x 14.5)	714 x 656 x 391 (28.1 x 25.8 x 15.4)

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**

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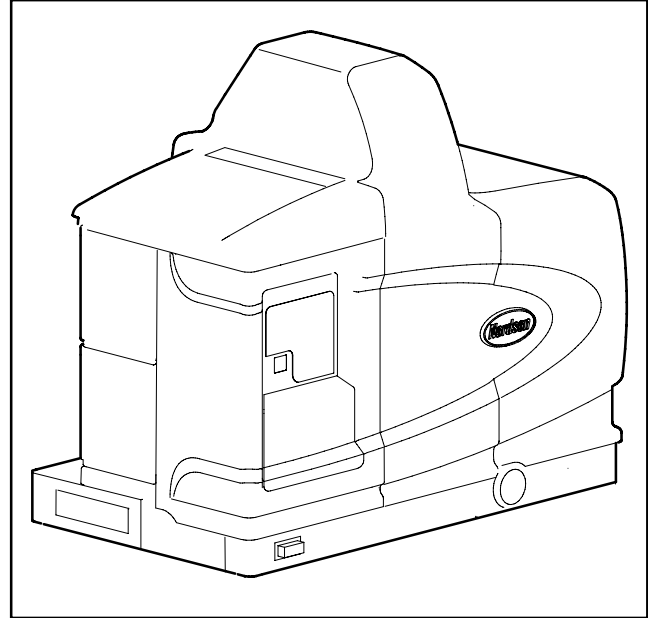


ProBlue[®] 4, ProBlue 7 and ProBlue 10 Adhesive Melters

Description

Nordson ProBlue melters are simple and compact, designed to maximize uptime and reduce operating costs. These rugged, flexible, non-handed melters fit on virtually any packaging line.

- Large tank opening with three sided access allows easier filling and cleaner operation.
- Status-at-a-glance indicators highlight: ready, fault, service and temperature status for tank, hose and applicator.
- Simplified intuitive controls and service indicators require less user training and simplify maintenance scheduling.
- Disposable filter reduces daily maintenance by eliminating routine filter flushing.
- Standard tank low-level indicator and output protects against operator oversight and helps assure continuous production.
- Standard programmable I/Os (3 output and 4 input) facilitate parent machine integration.
- Remote temperature setback, hose/applicator enable/disable, and automatic temperature setback are standard programmable features to enhance operation.
- All major components are easily accessible from the front of the melter, and all major subsystems are easily replaced.
- Quick-disconnect primary power and I/O plugs and pneumatic fittings provide easier installation.
- Communications options and serial and network communications allow improved integration into parent machine control systems.



- Cast-in heating elements and Teflon[®]-coated tanks provide fast warm-up time, improve heat transfer and reduce char buildup.
- Easy-to-remove exterior panels are constructed of rugged sheet molded FRP and include a heavy duty tank lid.
- Sub-base allows easy, quick access to mounting bolts and electrical knockouts for easier installation.

ProBlue[®] 4, ProBlue 7 and ProBlue 10 Adhesive Melters *(contd)*

ProBlue Melter 200-240 VAC and 400/230 VAC with Standard 14:1 Pump

Parameter	ProBlue 4	ProBlue 7	ProBlue 10
2 Hose/Applicator	1022230	1022232	1022234
4 Hose/Applicator	1022231	1022233	1022235
6 Hose/Applicator	—	—	1022236

ProBlue Melter 200-240 VAC and 400/230 VAC with 6:1 Pump

Parameter	ProBlue 4	ProBlue 7	ProBlue 10
2 Hose/Applicator	1080419	1089193	1089195
4 Hose/Applicator	1089192	1089194	1089196

ProBlue Melter 400 and 480 VAC with Standard 14:1 Pump

Parameter	ProBlue 4	ProBlue 7	ProBlue 10
2 Hose/Applicator	1022237	1022238	1022240
4 Hose/Applicator	1090495	1022239	1022241

ProBlue Melter 400 and 480 VAC with 6:1 Pump

Parameter	ProBlue 4	ProBlue 7	ProBlue 10
2 Hose/Applicator	1078280	1078258	1078281
4 Hose/Applicator	1090496	1078259	1080440

NOTE: 400 and 480 VAC melters must have a transformer base assembly. The assembly required is dependent on the total wattage used for the unit and hose/applicators in operation. Contact Nordson for assistance in selecting the correct transformer.

Parameter	Part Number
Transformer Base Assembly, 1.5 kVA	1039840
Transformer Base Assembly, 3.0 kVA	1039841

Optional Accessories

Parameter	Part Number
I/O expansion card kit	1036607
Profibus communications kit	1053300
DeviceNet communications kit	1053288
Ethernet communications kit	1053289
8 Hose/Applicator expansion base (ProBlue 10 only)	1061030

ProBlue[®] 4, ProBlue 7 and ProBlue 10 Adhesive Melters *(contd)*

Specifications

Parameter	ProBlue 4	ProBlue 7	ProBlue 10
Type of system	Non-circulating tank (14:1 SP-style piston pump)		
Holding capacity kg (lb)	3.9 (8.6)	6.8 (15)	9.7 (21.4)
Melt rate kg/hr (lb/hr)	4.3 (9.5)	8.2 (18)	11 (24)
Throughput kg/hr (lb/hr)	6.8 (15)	10.9 (24)	12.4 (27.3)
Pump rate kg/hr (lb/hr)	32.7 (72)		
Temperature range	40–230 °C (100–450 °F)		
Ambient temperature range	0–50 °C (32–122 °F)		
Temperature control stability	±0.5 °C (1 °F)		
Maximum hydraulic pressure	87 bar/8.7 MPa (1260 psi)		
Hose ports	5	5	9
Hose/Applicator Capacity (Maximum)	2 or 4	2 or 4	2, 4, or 6
Hose/Applicator Power	1000 W each Hose/Applicator pair (2000 W per Hose/Applicator module)		
Maximum melter power			
• 2 Hose/Applicator	4000 W	4200 W	4200 W
• 4 Hose/Applicator	6000 W	6200 W	6200 W
• 6 Hose/Applicator	N/A	N/A	8200 W
Input/Output Capability Standard	3 standard outputs – programmable for function 4 standard inputs – programmable for function		
Filter area cm ² (in. ²)	71 (11)		
Electrical service	200 to 240 VAC 1Ø or 3Ø 50/60 Hz 200 to 240 VAC (1Ø N/PE) 50/60 Hz 400/230 VAC (3Ø N/PE) 50/60 Hz		
With optional transformer	400 or 480 VAC 3Ø 50/60 Hz		
Weight kg (lb) (empty)	42 (93)	43 (95)	45 (99)
Dimensions W x H x D mm (in.)	547 x 469 x 318 (21.5 x 18.48 x 12.5)	609 x 469 x 322 (24 x 18.5 x 12.7)	613 x 505 x 344 (24.1 x 19.9 x 13.5)
Service envelope W x H x D mm (in.)	648 x 502 x 362 (25.5 x 19.75 x 14.25)	711 x 564 x 362 (28 x 22.2 x 14.25)	714 x 656 x 391 (28.1 x 25.8 x 15.4)
Mounting mm (in)	381 x 249 (15.9 x 9.8)		
Approvals and certifications	UL, CUL ⁽¹⁾ , CE, ISO 9001		

1. CUL is a legal CSA-equivalent in all Canada.

Melter Notes

- Melter performance ratings are measured using a 1100 cps packaging grade adhesive with an application temperature of 177 °C (350 °F) and a specific gravity of 0.97.
- Pump rate is maximum pump output while maintaining 90% of static hydraulic pressure for a given inlet air pressure.

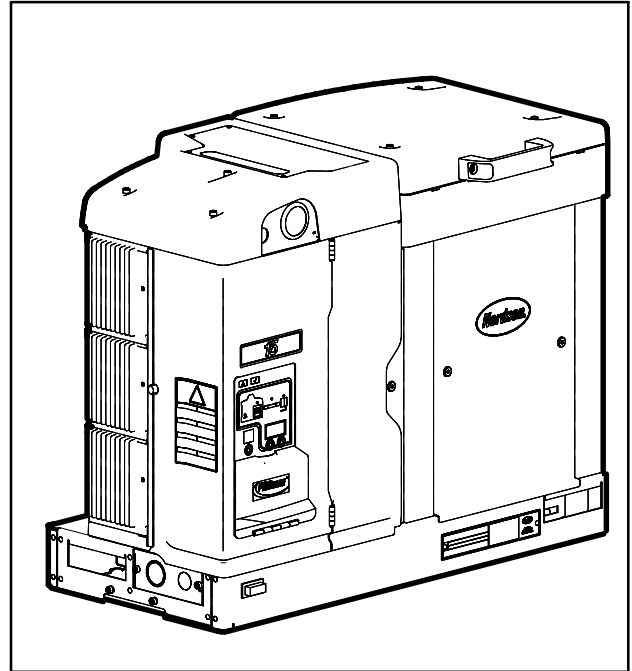
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ProBlue 15, ProBlue 30 and ProBlue 50 Large Capacity Melters

Description

Nordson ProBlue melters are designed to maximize uptime and reduce operating costs. These rugged, flexible, non-handed melters fit on virtually any packaging line.

- Melter sizes and service envelopes closely match legacy products for easy integration into existing applications.
- All sheet metal enclosures and large tank openings ease operation and daily maintenance.
- Status-at-a-glance indicators highlight: ready, fault, service and temperature status for tank, hose and applicator.
- Simplified intuitive controls and service indicators require less user training and simplify maintenance scheduling.
- Disposable filter reduces daily maintenance by eliminating routine filter flushing.
- Standard tank low-level indicator and output protects against operator oversight and helps assure continuous production.
- Standard programmable I/O (3 output and 4 input) facilitate parent machine integration.
- Quick disconnect primary power and I/O plugs and pneumatic fittings provide easier installation.
- Sub-base provides easy, quick access to mounting bolts and electrical knockouts for easier installation.
- Easy-to-remove exterior panels are constructed of rugged sheet molded FRP and include a heavy duty tank lid.
- Cast-in heating elements and Teflon-coated tanks provide fast warm-up time, improve heat transfer and reduce char buildup.
- Remote temperature setback, hose/applicator enable/disable, and automatic temperature setback are standard programmable features to enhance operation.



- Communications options and serial and network communications improve integration into parent machine control systems.
- All major components are easily accessible from the front of the melter, and all major subsystems are easily replaced.

ProBlue 15, ProBlue 30 and ProBlue 50 Large Capacity Melters

(contd)

ProBlue Large Capacity Melter Part Numbers

Parameter	ProBlue 15	ProBlue 30	ProBlue 50
Standard Output Dual Acting 14:1 Pump			
2 Hose/Applicator	1049316	—	—
4 Hose/Applicator	1049317	—	—
6 Hose/Applicator	1049318	—	—
High Output Dual Acting 16:1 Pump			
2 Hose/Applicator	1049319	1049326	1049330
4 Hose/Applicator	1049320	1049328	1049331
6 Hose/Applicator	1049322	1049329	1049332
Single Acting 12:1 Pump			
2 Hose/Applicator	1049323	—	—
4 Hose/Applicator	1049324	—	—
6 Hose/Applicator	1049325	—	—

NOTE: The ProBlue 15 melter will operate at 400 or 480 VAC when used with a transformer base assembly, Part Number 1048981 (9.0 kVA).

Optional Accessories

Parameter	Part Number
I/O expansion card kit	1036607
Profibus communications kit	1053300
DeviceNet communications kit	1053288
Ethernet communications kit	1053289
8 Hose/Applicator expansion base (ProBlue 15 only)	1061031

ProBlue 15, ProBlue 30 and ProBlue 50 Large Capacity Melters

(contd)

Specifications

Parameter	ProBlue 15	ProBlue 30	ProBlue 50
Type of system	Non-circulating tank (SP-style piston pump)		
Holding capacity kg (lb)	14.5 (32)	29 (64)	48.5 (107)
Melt rate kg/hr (lb/hr)	18.1 (40)	27 (60)	28.6 (63)
Throughput kg/hr (lb/hr)	18.1 (40)	30.6 (67.5)	28.6 (63)
Pump rate kg/hr (lb/hr)			
Standard output (14:1)	32.7 (72)	—	—
High output (16:1)	60 (130)	60 (130)	60 (130)
Single acting (12:1)	108 (240)	—	—
Temperature range	40–230 °C (100–450 °F)		
Ambient temperature range	0–50 °C (32–122 °F)		
Temperature control stability	±0.5 °C (1 °F)		
Maximum hydraulic pressure	100 bar/10 MPa (1450 psi)		
Hose ports	9		
Hose/Applicator Capacity (Maximum)	2, 4, or 6		
Hose/Applicator Power	1000 W each H/G pair (2000 W per H/G module)		
Maximum melter power			
• 2 Hose/Applicator	5000 W	6000 W	6000 W
• 4 Hose/Applicator	7000 W	8000 W	8000 W
• 6 Hose/Applicator	9000 W	10,000 W	10,000 W
Input/Output Capability Standard	3 standard outputs – programmable for function 4 standard inputs – programmable for function		
Filter area cm ² (in. ²)	71 (11)		
Electrical service	200 to 240 VAC 1Ø or 3Ø 50/60 Hz 400/230 VAC (3Ø N/PE) 50/60 Hz		
With optional transformer	400 or 480 VAC 3Ø 50/60 Hz (ProBlue 15 only)		
Weight kg (lb) (empty)	66 (145)	81.6 (180)	87 (192)
Dimensions W x H x D mm (in.)	686 x 547 x 345 (27 x 21.5 x 13.6)	952 x 548 x 345 (37.6 x 21.6 x 13.6)	952 x 751 x 345 (24.1 x 19.9 x 13.5)
Service envelope W x H x D mm (in.)	787 x 859 x 392 (31 x 33.8 x 15.4)	1044 x 859 x 392 (41.1 x 33.8 x 15.4)	1044 x 1062 x 392 (41.1 x 41.8 x 15.4)
Mounting mm (in)	581 x 249 (22.9 x 9.8)	669 x 249 (26.3 x 9.8)	
Approvals and certifications	UL, CUL ⁽¹⁾ , CE, ISO 9001		

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Melter Notes

- Melter performance ratings are measured using a 1100 cps packaging grade adhesive with an application temperature of 177 °C (350 °F) and a specific gravity of 0.97.
- Pump rate is maximum pump output while maintaining 90% of static hydraulic pressure for a given inlet air pressure.