ProBlue® ATS Adhesive Melters
15, 30 and 50 Liter Melters with Adhesive Process Control

Combine simple operation with an adhesive tracking system (ATS) to maximize uptime, optimize adhesive consumption and improve production efficiency

- Installation is quick and easy. Compact size and a 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 quick-release base design further simplify set up.
- Plug-in modules let you add or subtract hoses and guns to meet changing production needs.
- A disposable filter eliminates the need for routine filter flushing while helping prevent debris and contaminants in adhesive from reaching your products.

- An integrated precision gear flow meter directly measures adhesive volume, and the system output signal can be used to stop the line, eject product or signal a light tower.
- Maintain the proper adhesive deposit on each and every package to increase production efficiency and quality.
- Track total adhesive consumption, per package add-on weight, total number of products and out-of-tolerance products.
- Operator safety is improved with an automatic pressure discharge (APD) valve that relieves pressure into the melter tank in seconds.
- Reduce costs by identifying adhesive and product waste.
- Monitor and control in real time via optional Ethernet IP & Fieldbus; download historical data via USB
- User adjustable adhesive volume upper and lower tolerance band limits to identify out-of-tolerance product
ProBlue® ATS Adhesive Melters 15, 30 and 50 Adhesive Melters

Specifications
Type of System Non-circulating tank (SP-style piston pump)

Maximum Pump Rate High Output Dual-Acting
Ratio: 16:1
Max. Output: 60 kg/hr (130 lb/hr)

Hose Ports 9

Filter Type Saturn® basket-style filter

Maximum Working Hydraulic Pressure 100 bar/10 MPa (1450 psi)

Temperature Range 40 to 204ºC (100 to 400ºF)

Ambient Temp. Range 0 to 50ºC (32 to 122ºF)

Temp. Control Stability ±0.5ºC (1ºF)

Electrical Service Standard 200 to 240 V AC 3 phase 50/60 Hz
400/230 V AC 3 phase N/PE 50/60 Hz
w/Optional 1 phase** 200 to 240 V AC 1 phase 50/60 Hz
200 to 240 V AC 1 phase N/PE 50/60 Hz
w/Optional Transformer*** 400 or 480 V AC 3 phase 50/60 Hz

Input/Output Capability
Standard 4 inputs & 3 outputs - come as standard; 10 inputs and 7 outputs - with optional expansion board; Ethernet IP & Fieldbus optional

Flow Meter
Flow Range 0.03–91 kg/hr (0.07–200 lb/hr)*
Displacement 1.0 cc/rev = 1 g/rev = 0.001 kg/rev = 0.0022 lb/rev*
Resolution 25mCC (25 mg or .055 lb)*
Viscosity Range 600 to 10,000 cps
Output Signals 2 (Enabled Output and Alarm Output), 24VDC sourcing (PNP), 25 mA each

*SG = Specific gravity = 1.0  **Single phase: maximum 4 hose/gun capacity  *** Transformer available for ProBlue 15 melter only

ProBlue 15
Holding Capacity 14.5 kg (32 lb)
Melt Rate and Throughput (per hour) 18.1 kg (40 lb)
Max. System Power 2 hoses/guns 5000 watts
4 hoses/guns 7000 watts
6 hoses/guns 9000 watts
Melter Weight (empty) 66 kg (145 lb)
Dimensions WxHxD
Unit mm (in) 686 x 547 x 345 (27 x 21.5x 13.6)
Mounting mm (in) 581 x 249 (22.9 x 9.8)
Installation mm (in) 787 x 859 x 392 (31 x 33.8 x 15.4)

ProBlue 30
Holding Capacity 29 kg (64 lb)
Melt Rate and Throughput (per hour) 27 kg (60 lb)
Max. System Power 2 hoses/guns 6000 watts
4 hoses/guns 8000 watts
6 hoses/guns 10,000 watts
Melter Weight (empty) 81.6 kg (180 lb)
Dimensions WxHxD
Unit mm (in) 952 x 548 x 345 (37.5 x 21.6x 13.6)
Mounting mm (in) 669 x 249 (26.3 x 9.8)
Installation mm (in) 1044 x 859 x 392 (41.1 x 33.8 x 15.4)

ProBlue 50
Holding Capacity 48.5 kg (107 lb)
Melt Rate and Throughput (per hour) 28.6 kg (63 lb)
Max. System Power 2 hoses/guns 6000 watts
4 hoses/guns 8000 watts
6 hoses/guns 10,000 watts
Melter Weight (empty) 87 kg (192 lb)
Dimensions WxHxD
Unit mm (in) 952 x 751 x 345 (37.5 x 29.6 x 13.6)
Mounting mm (in) 669 x 249 (26.3 x 9.8)
Installation mm (in) 1044 x 1062 x 392 (41.1 x 41.8 x 15.4)

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

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