ProBlue® ATS Melters
4, 7 and 10 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

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**Specifications**

Type of System  
Non-circulating tank (15:1 SP-style piston pump)

Maximum Pump Rate  
32.7 kg/hr (72 lb/hr)

Filter Type  
Saturn® basket-style filter

Maximum Working Hydraulic Pressure  
10.3 MPa (1500 psi)

Temperature Range  
40 to 204°C (100 to 400°F)

Ambient Temp. Range  
0 to 50°C (32 to 122°F)

Temp. Control Stability  
±0.5°C (1°F)

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  
0.5 cc to 500 cc/min (0.03–29.9 kg/hr or 0.07–65.9 lb/hr)  
(assuming SG = 1.0)

Displacement  
1.0 cc/rev = 1 g/rev = 0.001 kg/rev = 0.0022 lb/rev  
(assuming SG = 1.0)

Resolution  
25mCC (25 mg or .055 lb, assuming sg = 1.0)

Viscosity Range  
600 to 10,000 cps

Output Signals  
2: enable and alarm, 24VDC sourcing (PNP), 25 mA each

<table>
<thead>
<tr>
<th>Hose Ports</th>
<th>Electrical Service</th>
<th>Holding Capacity</th>
<th>Melt Rate (per hour)</th>
<th>Throughput (per hour)</th>
<th>Volume</th>
<th>Max. System Power Capacity</th>
<th>Melt Weight (empty)</th>
<th>Dimensions WxHxD</th>
</tr>
</thead>
<tbody>
<tr>
<td>ProBlue 4</td>
<td>5</td>
<td>3.9 kg (8.6 lb)</td>
<td>4.3 kg (9.5 lb)</td>
<td>6.8 kg (15 lb)</td>
<td>4 liter (244 in³)</td>
<td>4000 watts</td>
<td>42 kg (93 lb)</td>
<td>547 x 469 x 318</td>
</tr>
<tr>
<td>ProBlue 7</td>
<td>5</td>
<td>6.8 kg (15 lb)</td>
<td>8.2 kg (18 lb)</td>
<td>10.9 kg (24 lb)</td>
<td>7 liter (427 in³)</td>
<td>4200 watts</td>
<td>43 kg (95 lb)</td>
<td>609 x 469 x 322</td>
</tr>
<tr>
<td>ProBlue 10</td>
<td>9</td>
<td>9.7 kg (21.4 lb)</td>
<td>11 kg (24 lb)</td>
<td>12.4 kg (27.3 lb)</td>
<td>10 liter (610 in³)</td>
<td>4200 watts</td>
<td>45 kg (99 lb)</td>
<td>613 x 505 x 344</td>
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</tbody>
</table>