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

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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 (1°F)
Electrical Service Standard	200 to 240 VAC 3 phase 50/60 Hz 400/230 VAC 3 phase N/PE 50/60 Hz
w/Optional 1 phase**	200 to 240 VAC 1 phase 50/60 Hz 200 to 240 VAC 1 phase N/PE 50/60 Hz
w/Optional Transformer***	400 or 480 VAC 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	ProBlue 30	ProBlue 50
Holding Capacity	14.5 kg (32 lb)	29 kg (64 lb)	48.5 kg (107 lb)
Melt Rate and Throughput (per hour)	18.1 kg (40 lb)	27 kg (60 lb)	28.6 kg (63 lb)
Max. System Power			
2 hoses/guns	5000 watts	6000 watts	6000 watts
4 hoses/guns	7000 watts	8000 watts	8000 watts
6 hoses/guns	9000 watts	10,000 watts	10,000 watts
Melter Weight (empty)	66 kg (145 lb)	81.6 kg (180 lb)	87 kg (192 lb)
Dimensions WxHxD			
Unit mm (in)	686 x 547 x 345 (27 x 21.5x 13.6)	952 x 548 x 345 (37.5 x 21.6 x 13.6)	952 x 751 x 345 (37.5 x 29.6 x 13.6)
Mounting mm (in)	581 x 249 (22.9 x 9.8)	669 x 249 (26.3 x 9.8)	669 x 249 (26.3 x 9.8)
Installation 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)

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