DYNAMELT™ S Series - Adhesive Supply Unit

DYNAMELT™ S The Dynamelt S system provides accurate, proportionate temperature control for the hopper, hoses, and applicators. Available in four hopper sizes and with a choice of piston or gear pump, the Dynamelt S ASU uses a microprocessor temperature control to accurately control the temperature of hot-melt adhesive for up to six hoses and six heads.

DYNAMELT™ S Series:
- MELT-ON-DEMAND Hopper Grid extends adhesive life and performance
- 7 year melt-on-demand hopper warranty
- Self-diagnostic P.I. digital Temperature controller with platinum sensor accuracy
- Four hopper sizes fitted with either piston or gear pump
- Hopper grid melts only the adhesive that is demanded by the application, virtually eliminating char.

Reliability
Melt-On-Demand hopper extends adhesive life and performance.

Flexibility
Can accommodate up to 6 hoses/heads with either piston or gear pumps.

Simplicity
Icon-driven control panel simplifies operations.

ITW Dynatec - Dynamelt™ S Series
Models: S05, S10, S22, S45

The Dynatec Difference...

Melt-on-Demand Hopper
Most suppliers will agree that adhesive degradation is the number one cause of downtime on hot melt equipment. To address this problem, ITW Dynatec has patented a “Melt-On-Demand” system. ITW Dynatec’s vertical, unheated hoppers only melt the amount of adhesive required by the application. Most of the hot melt adhesive in the hopper remains at a much lower temperature, perhaps even solid state. The added benefits of melting only the adhesive required are quicker start-ups, reduced energy costs, better viscosity control, and reduced fumes.
# Dynamelt™ S - Adhesive Supply Unit

<table>
<thead>
<tr>
<th>System</th>
<th>S05</th>
<th>S10</th>
<th>S22</th>
<th>S45</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hopper Capacity</td>
<td>5k (10lbs)</td>
<td>10k (22lbs)</td>
<td>22k (48lbs)</td>
<td>45k (100lbs)</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>10 to 218°C (50 to 425°F)</td>
<td>10 to 218°C (50 to 425°F)</td>
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<td>10 to 218°C (50 to 425°F)</td>
</tr>
<tr>
<td>Melt Rate (per hour)</td>
<td>10 kg/hr (23lb/hr)</td>
<td>10 kg/hr (23lb/hr)</td>
<td>23 kg/hr (50lb/hr)</td>
<td>23 kg/hr (50lb/hr)</td>
</tr>
<tr>
<td>Melt Rate (per hour) - W/ Optional Grid</td>
<td>N/A</td>
<td>19 kg/hr (42lb/hr)</td>
<td>41 kg/hr (90lb/hr)</td>
<td>41 kg/hr (90lb/hr)</td>
</tr>
<tr>
<td>Pump Rate (Piston/4.5cc Gear)</td>
<td>.91kg (2 lb/min)/.38kg (.83lb/min)</td>
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</tr>
<tr>
<td>Piston Pump Compression Ratios</td>
<td>12:1</td>
<td>12:1</td>
<td>12:1</td>
<td>12:1</td>
</tr>
<tr>
<td>Gear Pumps Standard</td>
<td>1.5cc/rev, 3.2cc/rev or 4.5cc/rev</td>
<td>1.5cc/rev, 3.2cc/rev or 4.5cc/rev</td>
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</tr>
<tr>
<td>Hose Output Zones</td>
<td>2, 4, 6</td>
<td>2, 4, 6</td>
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</tr>
<tr>
<td>Maximum Working Hydraulic Pressure</td>
<td>68 bar (1000psi) - Piston Pump</td>
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<tr>
<td>Temperature Control Stability</td>
<td>± 1°C (1°F)</td>
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<td>± 1°C (1°F)</td>
</tr>
<tr>
<td>Electrical Service Standard</td>
<td>240 VAC 1Phase 50/60 Hz</td>
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<tr>
<td>Electrical Service Standard</td>
<td>380 VAC 3Phase Y 50/60 Hz</td>
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<td>380 VAC 3Phase Y 50/60 Hz</td>
</tr>
<tr>
<td>Working Viscosity</td>
<td>500 to 50,000 cps</td>
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### Optional Accessories
- Analog or digital pressure gauge
- Adhesive level indicator
- Pendant control pattern
- Seven day scheduler
- 480 VAC transformer

### Melt-On-Demand Hopper

**Dimensions**

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<td>Height (H)</td>
<td>42 cm (16.5 in)</td>
<td>61 cm (24 in)</td>
<td>61 cm (24 in)</td>
<td>102 cm (40 in)</td>
</tr>
<tr>
<td>Depth (D)</td>
<td>74.5 cm (29.3 in)</td>
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<td>84 cm (33 in)</td>
<td>84 cm (33 in)</td>
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<tr>
<td>Width (W)</td>
<td>35.5 cm (14 in)</td>
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<tr>
<td>Weight (empty)</td>
<td>43 kg (94lbs)</td>
<td>44 kg (97lbs)</td>
<td>50 kg (110lbs)</td>
<td>54 kg (118lbs)</td>
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1Dimensions include the 480 VAC transformer option.

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ITW Dynatec reserves the right to discontinue or change specifications, designs, materials and equipment without notice or obligation.

*Melt rates vary with adhesive type. All units capable of 2 hoses and applicators. Units can be fitted with a piston or gear pump.