The Nordson® SureFoam dispensing system mixes reactive and non-reactive hot melt adhesive with inert gas to create a homogenous mixture. As the material is dispensed the gas expands to create a closed-cell foam. The foamed material can be applied in swirl or bead patterns using Nordson dispensing handguns. SureFoam foaming systems are ideal for a wide variety of adhesive applications including packaging and assembly, such as cabinets and automotive.

**Manual Density Control**
Single adjustment density controls allow for easy setup of the foam process. Applications requiring up to 50% density reduction can be easily and quickly adjusted.

**Simple Interface**
The design utilizes an input signal from the applicator to trigger the mixing process. The melter provides precise, controlled heating and functional interlock.

**User Friendly Design**
Easy to maintain and service with minimal service items and few moving parts.

Although applied by conventional means, the foamed material provides numerous benefits including:

- Reduce adhesive consumption up to 50%, depending on adhesive.
- Longer open time increases work time and provides greater flexibility.
- Reduced sagging or running for uniform adhesive thickness.
- Faster set time increases line speeds and production rates. Labor is reduced and less warehouse space is required for inventory.
- Volumetric increase improves gap filling capability for improved bond strength.
- Improved wetting increases the ability to penetrate impervious surfaces.
- Increased penetration creates stronger bonds and results in fewer rejects.
- Lower heat density reduces heat damage and improves operator safety.
## Technical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Holding Capacity</td>
<td>N/A</td>
</tr>
<tr>
<td>Melt Rate</td>
<td>N/A</td>
</tr>
<tr>
<td>Delivery Rate</td>
<td>35 kg/hr (77 lb/hr)</td>
</tr>
<tr>
<td>Density Reduction</td>
<td>≤ 50%</td>
</tr>
<tr>
<td>Viscosity Range</td>
<td>1000-30000 cps</td>
</tr>
<tr>
<td>Gas Supply</td>
<td>Industrial Grade Nitrogen 1500 psi minimum</td>
</tr>
<tr>
<td>Air Supply</td>
<td>Clean dry compressed air, 6 bar (90 psi) max</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>38°-232° C (100°-450° F)</td>
</tr>
<tr>
<td>Hose/Gun Capacity</td>
<td>Single</td>
</tr>
<tr>
<td>Electrical Service Heaters</td>
<td>240 Volt Single Phase 50/60 Hz, 700 Watts (supplied by melter)</td>
</tr>
<tr>
<td>Motor/Controls</td>
<td>120 Volt or 240 Volt Single Phase, 90 Watts</td>
</tr>
<tr>
<td>Dimensions (LxWxH)</td>
<td>349 mm x 260 mm x 476 mm (13.75 in x 10.25 in x 18.75 in)</td>
</tr>
<tr>
<td>Weight (empty)</td>
<td>24 kg (53 lbs)</td>
</tr>
</tbody>
</table>

**Notes:**
1. Actual rates can vary depending on adhesive viscosity and other characteristics.
2. Depends on required delivery rates and desired foam density.

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

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