Nordson hot melt hoses set the standard for safety, durability and performance.

Nordson RTD and TC hoses operate with the proven durability and performance that reduce costs and downtime.

**Parallel Ground Paths Provide Safer Operation**
- Two separate ground paths protect personnel from injury and equipment from damage.
- Electrical connections use make-first, break-last pins at the gun and melter ends to prevent powering the hose or gun without the ground connection.

**Aramid Insulation Protects System Components**
- Aramide insulation significantly improves chemical and moisture resistance.
- Insulation does not melt or support combustion in the air, allowing hoses to retain flexibility and electrical and mechanical properties beyond system operating temperatures.

**Automated Manufacturing Delivers Consistency and Quality**
- Hose components are precision fabricated and calibrated prior to assembly, eliminating the need for temperature control calibration at installation.
- Controlled watt-density heating element minimizes hot spot potential, reducing char.
- Closely-spaced wraps provide efficient and uniform heat transfer to adhesive for controlled startup and consistent flow rates.

<table>
<thead>
<tr>
<th>Specifications</th>
<th>RTD Hoses</th>
<th>TC Hoses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Maximum Operating Temperature</strong></td>
<td>232°C (450°F)</td>
<td>232°C (450°F)</td>
</tr>
<tr>
<td><strong>Maximum Hydraulic Pressure</strong></td>
<td>1000 psi (6.89 MPa) for 5/8 and 1-1/8 in. (1.58 and 2.85 cm) diameter</td>
<td>1500 psi (10.34 MPa) for TC-8 and TC-13</td>
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<tr>
<td></td>
<td>1500 psi (10.34 MPa) for 5/16 in. (.79 cm) diameter</td>
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<tr>
<td><strong>Electrical Service</strong></td>
<td>120 VAC, 200 VAC or 240 VAC</td>
<td>200 VAC or 230 VAC</td>
</tr>
<tr>
<td><strong>Available Lengths</strong></td>
<td>2 to 65 ft (0.6 to 19.8 m) depending on diameter and voltage</td>
<td>4 to 43 ft (1.2 to 13 m) depending on diameter and voltage</td>
</tr>
</tbody>
</table>
Advanced Technology Hot Melt Hoses

Four layers of overlapped, aramid-felt insulation increase thermal efficiency, control heat loss, improve durability and reduce external temperature.

Non-stick coated core provides a smooth process channel that promotes laminar flow of adhesive.

Closely spaced wire wraps deliver efficient and uniform heat transfer for controlled startup and consistent flow rates.

Sensing accuracy provides reliable readings, and parallel ground paths provide safer operation and protect personnel and equipment.

Temperature sensor, heater circuit and safety wiring are installed using automated manufacturing techniques.

Hose Rebuilding May Weaken Performance and Shorten Hose Life
Due to the precise engineering of Nordson hoses, rebuilding them can significantly shorten life and performance, resulting in increased spare parts costs and unscheduled downtime.

1. Nordson recommends against changing the cuffs or sheath material of a hose due to the possibility of damage. Safety circuitry is particularly vulnerable and can pose both equipment and personnel hazard if incorrectly installed or damaged during cleaning or handling.

2. When a hose is cleaned using a “cleaning snake” or otherwise “probed,” the internal surface can be damaged. The damaged surface can accumulate char and other debris, increasing the frequency of clogs and deterioration of flow.

3. When hoses are submerged in cleaning solvents, the solvent can impregnate the wrap with debris and contaminants. This action can deteriorate heat transfer efficiency and induce inaccuracies in your process.

4. During a cleaning process, insulation can become contaminated with solvents and other debris, decreasing thermal efficiency and promoting premature failure of the hose.

Most RTD hoses are CE and TUV approved and UL listed. Approvals and listings appear on individual products. TC hoses are not UL listed.

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

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