

Advanced-Technology Hot Melt Adhesive Hoses



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



Nordson waterwash hose



RTD-style hose for Nordson systems



TC-style hose for MX systems

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

Parallel Ground Paths Provide Safer Operation

- Two separate ground paths protect against injury and damage to equipment.
- 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

- Aramid 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.
- Waterwash hoses feature IP-67 rated cuffs and improved electrical seals for longer service life in washdown environments.

Specifications

	RTD Hoses	TC Hoses
Maximum Operating Temperature	232°C (450°F)	232°C (450°F)
Maximum Hydraulic Pressure	1000 psi (6.89 MPa) for 3/8 and 1/2 in. (1.58 and 2.85 cm) diameter 1500 psi (10.34 MPa) for 3/16 in. (.79 cm) diameter	1500 psi (10.34 MPa) for TC-8 and TC-13
Electrical Service	120 VAC, 200 VAC or 240 VAC	200 VAC or 230 VAC
Available Lengths	2 to 65 ft (0.6 to 19.8 m) depending on diameter and voltage	4 to 43 ft (1.2 to 13 m) depending on diameter and voltage

Advanced-Technology Hot Melt Adhesive Hoses

-
- 1** Temperature sensor, heater coil and safety wiring are installed using the automated manufacturing techniques.
 - 2** Teflon® core provides a smooth process channel that promotes laminar flow of adhesive.
 - 3** Closely spaced wraps deliver efficient and uniform heat transfer for controlled startup and consistent flow rates.
 - 4** Four layers of overlapped, aramid-felt insulation increase thermal efficiency, control heat loss, improve durability and reduce external temperature.
 - 5** Sensing accuracy provides reliable readings, and parallel ground paths promote safe operation.

Any rework, reconfiguration, probing or cleaning of a Nordson hose invalidates any warranty or guarantee.

Hose Rebuilding May Weaken Performance and Shorten Hose Life

Due to the precise engineering of Nordson hoses, rebuilding or reconditioning them can significantly shorten life and performance, resulting in increased spare parts costs and unscheduled downtime.

- 1.** Any process of changing the cuffs or sheath material of a hose increases 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. Doing so can cause an accumulation of 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.
- 5.** The Nordson Trade Plus™ program lets you exchange old hoses for new at discounts of up to 40 percent. New hoses carry a one-year or 2000 hour warranty.



Teflon is a registered trademark of E.I. DuPont de Nemours & Co.

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, talk with your Nordson representative or contact your Nordson regional office.

United States

Duluth, Georgia

Telephone: (800) 683-2314

Facsimile: (866) 667-3329

Canada

Markham, Ontario

Telephone: (800) 463-3200

Facsimile: (905) 475-8821

Europe

Lüneburg, Germany

Telephone: (49) 4131-894-0

Facsimile: (49) 4131-894-149

Japan

Tokyo, Japan

Telephone: (81) 3-5762-2700

Facsimile: (81) 3-5762-2701

Asia/Australia/ Latin America

Amherst, Ohio

Telephone: (440) 985-4797

Facsimile: (440) 985-1096

www.nordson.com



When you expect more.®