

Flexotherm[®] Hot Melt Equipment

Flexotherm[®] Hot Melt Hoses Ensure Uniform Heating

Stainless Steel Overbraid for High Pressure Resistance

Teflon[™] Core Built to Withstand Extreme Temperatures

Built-in Heating Element Machine-Wound to Close Tolerances

All Flexotherm Heated Products Are Backed By A Two-Year Warranty

Flexotherm[®] Manufactures World Class Quality Products @ Unbeatable Prices

Flexotherm[®] manufactures a complete line of automatic standard, flexible and water resistant heated hoses, as well as hand gun hoses.

Custom-designed equipment to meet a wide variety of applications including hot melt adhesives, packaging and plastics.

- Heated hoses feed the hot melt from the appliance to the applicator ensuring efficient transfer of viscous substances.
- Hot melt adhesives can bond virtually any substance and are environmentally safe.



Flexotherm has built a reputation as a quality manufacturer of durable industrial-strength electrically heated products since 1994.

All of our electrically heated products are precision-engineered to exceed industry and government standards and are backed by a 2-year Limited Warranty.

Precision Technology

- Our heated hoses ensure a constant temperature and prevent changes in viscosity.
 - Built-in electric heating element, machine-wound to close tolerances
 - We can custom-design and manufacture equipment to fit your specifications including:
 - Chemicals, petroleum products, Tars and asphalt.
 - Liquid sugar, animal fats, vegetable oil and other food byproducts.
 - Bulk transfer of coal, iron ore, limestone and other commodities being conveyed in cold climates.
 - Transfer of Mild acids and chemicals
 - Urethane coatings and packaging.
 - Hot Melt Adhesives for product assembly and packaging



Virtually Indestructible

- Hoses offer flexibility, durability, chemical inertness and high resistance to corrosion over their entire temperature range.
- Hoses are precision wound and calibrated prior to assembly.
- Reinforced by Stainless Steel overbraid for high pressure resistance.
- PTFE Teflon[™] inner core made to withstand extreme temperatures.
- Flexible braiding and Teflon core increase durability and ease of handling—enabling connection to movable appliances and applicator systems.
- Construction includes thermal insulation and outside mesh to protect the insulation from damage.
- NTC temperature sensor and heater winding applied over steel fabric
- RTD temperature area-sensing for thermal accuracy.
- Impact-resistant caps with electrical connections attached to both ends.



Flexotherm[®] Hot Melt Hose Specifications

Core Sizes	Swivel Fittings	Maximum Fluid Working Pressure @ Temperature
No. 6 (.312 ID)	.31 ID (9/16 — 18 JIC (f))	1500 psi @ -65°F—400° F (-54°C—204°C)
No. 8 (.401 ID)	.41 ID (3/4 — 16 JIC (f))	4000 psi @ -65°F—212° F (-54°C—100°C) 3000 psi @ -65°F—400° F (-101°C—204°C)
No. 10 (.495 ID)	.51 ID (7/8 — 14 JIC (f))	
No. 12 (.617 ID)	.62 ID (1-1/16 — 12 JIC (f))	
No. 16 (.867 ID)	.87 ID (1-5/16 — 12 JIC (f))	3000 psi @ -65°F—400° F (-54°C—204°C)
No. 20 (1.125 ID)	1.13 ID (1-5/8 — 12 JIC (f))	

Standard Hose Lengths: (In Feet) 6, 8, 12, 16, 20, 24 (Custom sizes and configurations available)

Flexotherm[®] Hot Melt Equipment

Flexotherm[®] Manufactures World Class Quality Products @ Unbeatable Prices

Heated Handguns for High-Volume Product Assembly

Full line of Compatible Nozzles, Fittings and Reductions.

Custom Engineered Products Specific to Your Application

Hot Melt Adhesives Are Structurally Rigid in Minutes.

Clean, Easy-to-Handle and Environmentally Safe

Hot Melt Accessories

- There's an adhesive or sealant for every bonding application. The type, amount and how it is applied



determines the size and style of equipment.

- Heated Hoses transfer the hot melt to the point of application at specified temperature.
- Handguns can be configured for either standard hose entry, top entry, or in-line.
- Nozzles—interchangeable nozzles allow you to apply the adhesive or sealant as needed for your process.
- Accessories—We carry a full line of nozzles, fittings, reductions, electrical extension and distribution cables as well as fastening devices, and



temperature controllers.

- Custom Engineered Products—We have the expertise to design and manufacture custom products to your exact specifications.

Heated Handguns

- Automatic guns are common for single-point dispensing, conveyors, wide areas, or applications using robots.
- Ergonomically designed
- Built for heavy-duty service
- 360° Linear Swivels or Ball Swivels
- Standard hose entry, top-entry or in-line entry.
- Interchangeable nozzles for bead or



spray applications.

- Cordless Available.
- Automatic Guns designed for packaging applications, carton, case sealing.
- Heavy Duty Automatic Guns designed for high-volume product assembly applications.
- Fixed point dispensing.
- Whatever hot melt you are using, we will help you configure the right equipment for your application.
- Our technicians can help determine the proper melt rate and usage rate, output and flow characteristics, as well as bond strength and heat resistance.



About Hot Melt Adhesives

- Hot melt adhesives are solvent-free adhesives, that are solid at temperatures below 180°F and are low viscosity fluids above 180°.
- There are a number of hot melt adhesives in use.
- Poly Urethane Reactive (PUR) - is a 100% solid, 1-component urethane pre-polymer that reacts with moisture to form a new polyurethane polymer.
- PURs set in seconds, and are structurally rigid in minutes.
- Hot Melt adhesives have been accepted in many manufacturing industries, where they often replace mechanical fasteners including: aerospace structural assemblies; automotive, truck, boat, and bus assembly; mobile home manufacturing.
- Hot melt adhesives form a strong bond simply by cooling, are compatible with most materials, and are clean and easy to handle.
- Hot melts are also less water sensitive than other thermoplastic polymers.



Warranty

All of our quality heated products are backed by a limited Two-Year Warranty

- Full Coverage on repairs caused by defects in workmanship
- Quick turn-around time on repairs
- Phone support during repair process.
- Repaired on-site whenever possible to minimize downtime.



About Us

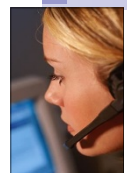
Flexotherm[®] is a division of Neptech, Inc.—manufacturer of quality heated products since 1994. Our mission is to partner with industry leading companies to harness technologies that improve productivity and help reduce emissions to meet corporate, government and EPA standards.

We have built a quality reputation for consistently delivering innovative and cost-effective solutions that benefit our customers' bottom line.

Our multi-faceted engineering, design and manufacturing capabilities enable us to provide a complete array of products and services to manufacturers

Contact Us

If you have any questions or need additional information, please call (810) 225-2222
Or visit: www.Flexotherm.net



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