**Design Features**

- Base Hose has a smooth bore Teflon® core with Stainless Steel overbraid.
- Self-vulcanizing Silicone TGL bedding tape at 50% overlap.
- Kapton® insulation wrapped stranded nichrome alloy heater element.
- 2 layers of 1/8" Nomex® felt insulation.
- Layer of 2" wide black tape for final wrap.
- Heavy duty abrasive resistant outer covering, polyester braid; optional water resistant jacket is available upon request.
- Heat shrink tube end caps.
- Male NPT or 37° JIC female swivel fittings are standard; options include Tri-Clamp or Tubing/Pipe for compression fittings. Choice of Stainless Steel or plated carbon steel.
- Temperature range to 450°F/232°C.
- Overall length up to 600 inches.
- Temperature sensors such as thermocouples or RTDs can be built-in to the assembly.
- Snap action thermostats can be built in to the assembly to limit the maximum temperature.
- 6 ft. power leads standard; length can vary upon request.
- Hose assemblies available in 120 and 240 Vac.
- Ground connection to the Stainless Steel overbraid.

**Typical Applications**

- Hot Melt Systems
- Petroleum Products
- Food Products
- Hot Oil Lines
- Chemical Transfer
- Gas Analyzer Systems
- Steam Transfer
- Water & Waste Disposal
- Bulk Transfer
- Paint Systems
- Tar & Asphalt
- Waxes – Candle Making
- Adhesives

**Construction Characteristics**

Tempco’s Electrically Heated Hose Assemblies are designed for optimum transfer of non-explosive liquids or gases. Tempco’s HEH Transfer Hoses are Teflon® lined stainless steel braid heated flexible assemblies. Style R (regular pressure) or Style H (high pressure) transfer hoses are used in a wide range of applications such as water (freeze protection), steam, wax, plastics and many others. Heated transfer hoses improve fluid transfer for many applications.

Tempco’s Control Consoles

Ideal for controlling process temperatures on heated hose assemblies. Complete information can be found on page 13-52.

**HEH Heated Hose Assembly Length Definition**

1. For Heated Hose Assemblies with 37° JIC Female Swivel fittings, the specified Length is defined as fitting seat to seat.
2. For Heated Hose Assemblies with other permanently attached fittings, such as Tri-Clamps, Rigid NPT or Tubing, regardless of fitting type or gender, the specified Length is measured from the outside edge to the outside edge of the fittings.
3. Fitting adapters such as male JIC to male NPT, are not included in the Length specification.
4. Length Tolerances are stated as follows:
   - 17.99" or less: ±0.5"
   - 18" to 36": ±0.75"
   - 3 feet to 10 feet: ±1.0"

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