

# DynaFlex™

THE DYNAFLEX™ HOT MELT HOSE FROM ITW DYNATEC IS ENGINEERED TO BE LONG-LASTING, DURABLE, AND MAXIMIZE THE PERFORMANCE OF YOUR HOT MELT SYSTEMS. PLATINUM RESISTANCE TEMPERATURE DETECTOR (RTD) SENSORS IMPROVE ADHESIVE FLOW AND MAKE THE DYNAFLEX™ LAST LONGER THAN OTHER HOSES.

## DURABILITY

Optimized electrical spiral heating over the entire hose length avoids punctual heating points, virtually eliminating adhesive char. Aircraft-quality Teflon® lined stainless steel braided hose core maximizing durability.

## RELIABILITY

Superior thermal insulation maximizes hose life.

## LONGEVITY

Aircraft-quality Teflon® lined stainless steel braided hose core.



## DYNAFLEX™ HOT MELT HOSE

Hot melt adhesive supply hoses are electrically-heated, flexible conduits designed for the transfer of hot-melt material from an adhesive supply unit (ASU) to an applicator (head or handgun). Hoses are heated by resistance heaters which are wrapped around the hose core and covered with a high-temperature insulation. Hose temperature is regulated by the ASU's controller. A sensor located in the hose provides temperature information to the controller.

### FEATURES

- Platinum RTD sensor technology assures accurate temperature control
- Competitive hose configurations available.
- Customizable options including fittings and clamps.

### OPTIONS

- Nylon strap
- 45 degree and 90 degree fitting configurations
- Abrasion resistant
- Washdown resistant
- Hose Hanger, ridged

### TECHNICAL DATA

<b>Sensor (DynaControl™)</b>	100 Ohm Platinum RTD (coefficient=0.00385 Ohm/Ohm/°C)
<b>Wiring</b>	1000 VAC 260°C (500°F) nickel plated copper multi-strand, TFE insulated
<b>Flex Hose</b>	Extruded TFE (innercore) / type 304 stainless steel wire braid (outercore)
<b>Maximum Operating Temperature</b>	218 °C (425 °F) continuous
<b>Maximum Operating Pressure *</b>	20 - 141 bar (295 - 2046 psi) at 218 °C (425 °F)
<b>Minimum Burst Pressure *</b>	206 - 564 bar (3000 - 8184 psi) at 218 °C (425 °F)
<b>Inner Diameter</b>	.8 cm (#6), 1 cm (#8), 1.6 cm (#12), 2.2 cm (#16), 3.5 cm (#24)
<b>Length</b>	1.2 - 18 m (4 - 60 ft)

\* according to nominal diameter

### LOCATIONS

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