Mayer ProHose D-Series Heated Hoses

Electrically heated hot melt hoses designed for full compatibility with ITW Dynatec Dynamelt, DynaPlus, and S-Series units, offering PT100/Ni120 sensors and rugged flex life.

Dynatec 100% Compatible | 230V AC | PT100 / Ni120 | 160 BAR | 200°C | Dynatec Konnektör

VOLTAGE	SENSOR TYPE	OPERATING TEMP	WORKING PRESSURE	INNER DIA / BEND	PLUG / PROTECTION
230 V AC	PT100 / Ni120	200 °C	160 bar	DN8 (5/16")	Dynatec Standart
50/60 Hz	Optional	Maximum Limit	Burst: 640 bar	Rmin: 90 mm	IP54 Rated

HOSE ENGINEERING CONSTRUCTION & LAYER ANATOMY

1. İç Akış Çekirdeği (Core)	Smooth-bore, chemically inert virgin PTFE core. Eliminates adhesive charring and ensures laminar flow for PUR, EVA, and PSA.
2. Basınç Takviye Örgüsü (Braid)	High-tensile AISI 304 stainless steel wire braid. Ensures zero volumetric expansion and maximum burst protection under dynamic pulsing.
3. Spiral Isıtma Rezistansı (Heating)	PTFE-insulated nickel-chrome spiral heating element. Delivers uniform heat flux with ±2°C accuracy preventing cold spots along the line.
4. Çok Katmanlı Termal İzolasyon	Multi-layer aramid fleece and siliconized fiberglass thermal barrier. Maximizes energy retention and keeps outer sheath safe to touch.
5. Dış Koruma & Uç Başlıkları	Abrasion-resistant PA braided sleeve or impact-absorbing PUR corrugated conduit with heavy-duty elastomer strain-relief end caps.

DYNATEC COMPATIBLE STANDARD & HIGH-TEMPERATURE SERIES

Standard Series (230V / 160 bar / 200°C)

Length	Dynatec P/N	Mayer Part Number
0.60 m	102137	**MY-DC-102137**
1.20 m	102138	**MY-DC-102138**
1.80 m	102139	**MY-DC-102139**
2.40 m	102140	**MY-DC-102140**
3.00 m	102141	**MY-DC-102141**
3.60 m	102142	**MY-DC-102142**
4.20 m	102143	**MY-DC-102143**
4.80 m	102144	**MY-DC-102144**
5.40 m	102145	**MY-DC-102145**
6.00 m	102146	**MY-DC-102146**
7.20 m	102147	**MY-DC-102147**
8.00 m	102148	**MY-DC-102148**
9.00 m	102149	**MY-DC-102149**

High-Temp / Pressure Series

Length	Dynatec P/N	Mayer Part Number
1.20 m	100120	**MY-DC-100120**
1.80 m	100180	**MY-DC-100180**
2.40 m	100240	**MY-DC-100240**
3.00 m	100300	**MY-DC-100300**
3.60 m	100360	**MY-DC-100360**
4.80 m	100480	**MY-DC-100480**
6.00 m	100600	**MY-DC-100600**
7.20 m	100720	**MY-DC-100720**
9.00 m	100900	**MY-DC-100900**

OPERATIONAL, MECHANICAL INSTALLATION & SAFETY GUIDELINES

• Kıvrılma Yarıçapı (Rmin)	The hose must never be bent sharper than the rated minimum bend radius. Over-bending causes irreversible kinking of the PTFE core.
• Torsiyon Önleme	Torsion is strictly prohibited. Always use a counter-wrench on the hex fitting during tightening to prevent internal core twist.
• Askı & Balanser Desteği	In robotic and moving installations, support hoses with articulated energy chains, spring balancers, or protective saddles.
• Elektrik & Termal Güvenlik	Disconnect electrical power before connecting plugs. Verify protective earth (PE) continuity. Gradual heating ramp-up is recommended.