Mayer ProHose ML-Series Heated Hoses

Industrial electrically heated hot melt hoses designed for seamless integration with Meler Micron, B4, PS20, and bulk melters, featuring precision Ni120 sensors and PTFE core.

Meler 100% Compatible | 230V AC | Ni120 Sensör | DN8 & DN13 | 110-150 BAR | 210°C

VOLTAGE	TEMP SENSOR	MAX TEMP	MAX PRESSURE	DIAMETER SIZES	PROTECTION
230 V AC	Ni120 RTD	210 °C	150 bar (DN8)	DN8 & DN13	IP54 Industrial
50/60 Hz	±0.5°C Linear	Thermal Stable	110 bar (DN13)	5/16" & 1/2"	CE / Hi-Pot 2200V

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.

MELER COMPATIBLE DN8 (5/16") STANDARD SERIES (230V / Ni120 / 150 BAR / 210°C)

Length	Meler Part No (P/N)	Mayer Part Number	Length	Meler Part No (P/N)	Mayer Part Number
0.60 m	102211010	**MY-MLR-102211010**	**4.80 m**	102211110	**MY-MLR-102211110**
0.80 m	102211180	**MY-MLR-102211180**	**5.40 m**	102211120	**MY-MLR-102211120**
1.20 m	102211050	**MY-MLR-102211050**	**6.00 m**	102211130	**MY-MLR-102211130**
1.80 m	102211060	**MY-MLR-102211060**	**7.20 m**	102211150	**MY-MLR-102211150**
2.40 m	102211070	**MY-MLR-102211070**	**8.00 m**	102211060	**MY-MLR-102211160**
3.00 m	102211080	**MY-MLR-102211080**	**9.00 m**	102211020	**MY-MLR-102211020**
3.60 m	102211090	**MY-MLR-102211090**	**10.00 m**	102211030	**MY-MLR-102211030**
4.20 m	102211100	**MY-MLR-102211100**	**12.00 m**	102211040	**MY-MLR-102211040**

MELER COMPATIBLE DN13 (1/2") HIGH-FLOW SERIES (230V / Ni120 / 110 BAR / 210°C)

Length	Meler Part No (P/N)	Mayer Part Number	Length	Meler Part No (P/N)	Mayer Part Number
0.60 m	102311030	**MY-MLR-102311030**	**4.20 m**	102311090	**MY-MLR-102311090**
1.20 m	102311040	**MY-MLR-102311040**	**4.80 m**	102311100	**MY-MLR-102311100**
1.80 m	102311050	**MY-MLR-102311050**	**5.40 m**	102311110	**MY-MLR-102311110**
2.40 m	102311060	**MY-MLR-102311060**	**6.00 m**	102311120	**MY-MLR-102311120**
3.00 m	102311070	**MY-MLR-102311070**	**10.00 m**	102311010	**MY-MLR-102311010**
3.60 m	102311080	**MY-MLR-102311080**	**12.00 m**	102311020	**MY-MLR-102311020**

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.