



UPDATED: 05/2014
Rev: 004

APPLICATION

- Universal hose "Full Ohm", designed to handle cosmetic, pharmaceutical and highly flammable chemical products in working areas requiring utmost safety.
- Execution complying with EN 12115: 2011.
- Engineered to ensure dissipation of electrostatic currents not only on the surface, but also through the hose wall: **electrical resistance through the hose wall: $R < 10^9 \Omega$** .

MAIN BENEFITS

- The perfluorinated inner liner ensures utmost chemical and temperature resistance, an excellent impermeability and absolutely hygienic and contamination-free delivery of the fluid.
- The marble finish cover, totally smooth and easily washable with any cleaning processes, withstands incidental contact even with aggressive chemicals conveyed in the hose.
- Hose in accordance with EC 1935/2004 and 2023/2006/EC (GMP). The MTG production cycle is free from animal derivatives, phthalates, adipates and materials subject to restrictions acc. to EC 1907/2006 (REACH).

CONSTRUCTION TUBE

- PFA (Perfluoroalkoxy Polymer, code PFA), fully fluorinated, mirror-smooth, black colour, **antistatic ($R < 10^6 \Omega$)**, patented.
- Compliance: USP Class VI, FDA Standards, UNI EN ISO 10993, Regulation (EU) n. 10/2011.

REINFORCEMENT

- High strength plies of synthetic cord, embedded steel helix wire and built-in copper wires.

COVER

- **Marble** finish (UPE), black and white colour, **patented**, smooth; it resists to abrasion, ozone and weather. The special cloth finish with a low friction rate complies with FDA, it is odourless and tasteless and does not stain the contact surfaces.
- Electrical resistance $R < 10^6 \Omega$.

MARKING



- Embossed tape according to EN 12115: 2011, lengthwise.

ELECTRICAL PROPERTIES - identification symbol: M/T

- Version without built-in copper wires is available upon request; identification symbol: Ω/T .

TEMPERATURE RANGE

- In accordance with EN 12115: 2011.

SAFETY FACTOR

- ≥ 4 times working pressure.
- Not autoclavable.

NB: We suggest you to follow the instructions mentioned in the MTG "Use and maintenance guide for PFA/MFA hoses".

应用范围

- 通用型全导电软管，特适用于化妆品，制药和易燃易爆化工行业，特别针对于要求最大的安全操作性的工作区域
- 符合EN12115:2011欧盟工业标准
- 软管设计不但能够确保表层静电的消散，而且电流能迅速通过管壁消散 ($R < 10^9 \Omega$)

显著特性

- 全氟化内管能确保最大程度化学稳定性，耐温性，优良的不渗透性，卫生等级极高，绝对不会使输送的流体介质产生污染。
- 大理石表面花纹处理，极度光滑，可适用于任何清洗作业，可承受输送管中意外泄露的强腐蚀性化学品。
- 软管符合EC1935/2004和2023/2006/EC标准（GMP），参照遵守EC1907/2006标准，MTG产品保证不含任何动物衍生物，邻苯二甲酸酯，己二酸酯以及EC1907/2006规定的受限物质。

软管结构

内管

- PFA（全氟化聚合物，PFA），全氟化处理，镜面光滑，黑色，抗静电 ($R < 10^6 \Omega$)，专利产品。
- 通过USP Class VI，FDA，UNI EN ISO 10993，符合EU 10/2011

加强层结构

- 高强度多层合成纤维，植入螺旋形金属钢线，内置金属铜线

表层

- 大理石花纹表面处理（超高分子多聚乙烯），专利技术产品，光滑，耐磨，耐大气侵蚀，特别设计的布状表面符合FDA标准，无臭，无味且表面无污渍残留
- 抗静电性能 $R < 10^6 \Omega$

标签



- 根据EN 12115:2011的规定，众向打码贴标
- 抗静电性能识别标志：**M/T**
- 可根据要求提供无内置铜导线软管，识别标志： Ω/T

温度范围

- 参考EN 12115:2011 标准的相关规定

安全系数

- ≥ 4 工作压力
- 不可高温高压灭菌

SIZE TOLERANCES/尺寸公差

"Internal Diameter/内径: EN12115-External Diameter/外径: EN12115"-Length/长度: ISO 1307

INTERNAL DIAMETER [mm] 内径 [mm]	WALL THICKNESS [mm] 壁厚 [mm]	WORKING PRESSURE [bar] 工作压力 [bar]	VACUUM [bar] 真空度 [bar]	MIN BENDING RADIUS [mm] 最小弯曲半径 [mm]	THEORETICAL WEIGHT [Kg/m] 重量 [Kg/m]	LENGTH MAX [m] 每卷长度 [m]
13	6.0	10	-0,9	135	0.55	20
19	6.0	10	-0,9	188	0.72	20
25	6.0	10	-0,9	225	0.89	20
32	6.5	10	-0,9	262	1.16	20
38	6.5	10	-0,9	338	1.47	20
51	7.25	10	-0,9	412	2.08	20
63.5	8.0	10	-0,9	450	2.80	20
76	8.0	10	-0,9	525	3.48	20

(*) In case of dynamic application please contact our Technical Dept.

Above technical data are referring to application at room temperature (+20°C).

Other sizes and colours are available upon request. Please contact our Sales Department.

(*) 若是动态运用，请联系我们技术部。

上述参数为室温20度为测试基准。

根据客户的要求，可提供其他规格和颜色

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