

MANIFATTURA TUBI GOMMA S.p.A.

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APPLICATION

- Multipurpose hose designed to ensure utmost purity during transport of pharmaceutical, cosmetic, food and chemical products in aseptic areas.
- Especially suitable for applications in which it is necessary to check the flow of the fluid conveyed.
- Specifically engineered to combine the technical benefits of a perfluoropolymer with the elasticity and heat resistance of silicone.

CONSTRUCTION

TUBE

- PFA (Perfluoroalkoxy), fully fluorinated, translucent, mirror-smooth. Odourless and tasteless.
- Excellent flex-performance (resistance to repeated bending cycles in accordance with ASTM D 2176).
- Compliance: USP Class VI, 3-A Sanitary Standards n.20-27, FDA Standards, Regulation EU n. 10/2011, ISO 10993-4, -10, -11, non-cytotoxic according to ISO 10993-Part 5, ICH Q3D.

REINFORCEMENTS

- Embedded steel helix wire AISI 302.

COVER

- Translucent silicone rubber (code: silicone 3362PT), ultra smooth and glossy finish.
- It may be easily cleaned with any mild detergent.
- Special finish with a low coefficient of friction.
- Compliance: USP Class VI, 3-A Sanitary Standards 18-03-Class I, FDA Standards, D.M. 21/03/73 and following amendments, BfR, European Pharmacopoeia 3.1.9, ISO 10993-4, -10, -11, non-cytotoxic according to ISO 10993-Part 5.

NOTE

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

MAIN BENEFITS

- See-through construction for easy visual inspection of the media conveyed.
- Platinum-cured silicone cover with non-stick properties.
- Fluorinated, ultra-smooth chemically-inert liner, embedded into a high purity structure.
- Made in Cleanroom ISO 14644-1 Class 8.
- High flexibility, even under high and low temperature conditions, and excellent resistance of the structure to dynamic stress.
- Hose in accordance with EC 1935/2004 and 2023/2006/EC (GMP).
- The MTG production cycle does not employ animal derived ingredients, phthalates, adipates, nitrosamines, and materials subject to restrictions acc. to EC 1907/2006 (REACH).

SAFETY FACTOR

- ≥ 3 times working pressure.

TEMPERATURE RANGE

- From -30°C to +150°C depending on the fluids conveyed.

STERILIZATION

- Sterilization with steam up to +135°C without pressure in an open circuit for max 30 minutes.

MARKING



TECHNICAL SPECIFICATIONS

SIZE TOLERANCES: I.D.: ISO 1307 - Wall thickness: ± 0.8 mm - Length: ISO 1307

Inner Diameter mm	Outer diameter mm	Wall thickness mm	Working pressure BAR	Burst pressure BAR	Vacuum BAR	Min. bending radius (Static) mm	Min. bending radius (Dynamic) mm	Approx. weight kg/m	Max. length m
13	23	5.0	3	9	-0.9	45	60	0.42	20
19	29	5.0	3	9	-0.9	65	90	0.65	30
25	35	5.0	3	9	-0.9	85	140	0.80	30
38	48	5.0	1	3	-0.9	135	210	1.10	30
51	61	5.0	1	3	-0.9	180	280	1.60	30

MTG reserves the rights to implement changes in product specifications without notice and as may be deemed appropriate by the Company for any technical or commercial reason. The selection of fittings for our hoses should be made in accordance with the recommendations provided in ISO 8331: "Rubber and plastics hoses and hose assemblies - Guidelines for selection, storage, use and maintenance." Above technical data are referring to application at room temperature (+20°C). Chemical resistance according to MTG Chemical Resistance Chart. Other sizes are available upon request. Please contact our Sales Department.



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