

**MANIFATTURA TUBI GOMMA S.p.A.**

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Management  
System  
ISO 9001:2015  
ISO 14001:2015  
OHSAS 18001:2007  
www.tuv.com  
ID: 8105050817



## APPLICATION

- Multipurpose suction and delivery hose for handling solvents and chemicals with high concentration.

## CONSTRUCTION

### TUBE

- MFA (Perfluoroalkoxy Polymer, MFA), fully fluorinated, patented, light colour, mirror-smooth, odourless and tasteless.
- Compliance: USP Class VI, ISO 10993, FDA Standards, D.M. 21/03/73 and following amendments, Regulation EU n. 10/2011.

### REINFORCEMENT

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

### COVER

- EPDM rubber (code 104N), black colour, smooth, resistant to abrasion, ozone and weather, cloth finish.
- Antistatic in acc. with EN 12115:2011. Electric resistance  $R < 10^6 \Omega$ .

## STANDARDS

- Execution in accordance with regulation EN 12115:2011.

## ELECTRICAL PROPERTIES

- Identification symbol: M.
- Model without copper wires available upon request; identification symbol:  $\Omega$ .

## NOTE

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

## CERTIFICATIONS

- Hose approved by the Institute Ineris, attestation nr. INERIS-16-AM-343, for use in Atex areas.

## MAIN BENEFITS

- The fluorinated inner liner ensures an excellent impermeability and resistance to oxidation, temperature and mechanical stress, thus avoiding cracks.
- Hose in accordance with EC 1935/2004 and 2023/2006/EC (GMP). The MTG production cycle is free from animal derived ingredients, phthalates, adipates and materials subject to restrictions acc. to EC 1907/2006 (REACH).

## TEMPERATURE RANGE

- In accordance with EN 12115:2011.
- Resistance to steam up to +130°C for max. 30 minutes.

## SAFETY FACTOR

- $\geq 4$  times working pressure up to ID 75 mm.
- $\geq 3$  times working pressure over ID 75 mm.

## PATENTS

- E.P. 1450092.

## MARKING

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



**MANIFLON MFA**

E.PATENT 1450092



## TECHNICAL SPECIFICATIONS

SIZE TOLERANCES: I.D.: EN 12115 - O.D.: EN 12115 - Length: ISO 1307

Inner Diameter mm	Outer diameter mm	Wall thickness mm	Working pressure BAR	Burst pressure BAR	Vacuum BAR	Min. bending radius mm	Approx. weight kg/m	Max. length m
13	25	6.0	16	64	-0.9	90	0.55	20
19	32	6.5	16	64	-0.9	125	0.75	30
25	38	6.5	16	64	-0.9	150	0.95	30
32	45	6.5	16	64	-0.9	175	1.15	30
38	51	6.5	16	64	-0.9	225	1.50	30
51	66	7.5	16	64	-0.9	275	2.20	30
63.5	79.5	8.0	16	64	-0.9	300	3.00	20
76	93	8.5	16	48	-0.9	350	3.70	20
100	118	9.0	16	48	-0.9	500	5.00	20

Chemical resistance acc. to MTG Chemical Resistance Chart. Above technical data refer to application at room temperature (+20°C). Other sizes and colours are available upon request. Please contact our Sales Department.



**Cod. IT-M00024**

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