



## MANIFATTURA TUBI GOMMA S.p.A.

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## APPLICATION

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

## CONSTRUCTION

### TUBE

- PFA (Perfluoralkoxy), white colour, fully fluorinated, mirror-smooth.
- Compliance: USP Class VI, 3-A Sanitary Standards n.20-27, FDA Standards, D.M. 21/03/73 and following amendments, Regulation EU n. 10/2011, ISO 10993-4, -10, -11, non-cytotoxic according to ISO 10993-Part 5.

### 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 12115:2021. Electric resistance  $R < 10^6 \Omega$ .

## STANDARDS

- Execution in accordance with regulation EN 12115:2021.

## 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 for use in Atex areas, attestation nr. IDE-229936-2803516-v2.0.

## 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 12115:2021.

## STERILIZATION

- Steam disinfection, in an open circuit, 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 12115:2021, lengthwise.

 **MANIFLON PFA** E.PATENT 1450092      **MADE IN ITALY**

 **EN 12115:2021 - DN SD - PN 16 - M - QUARTER/YEAR**

## 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
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	117	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-M00208

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