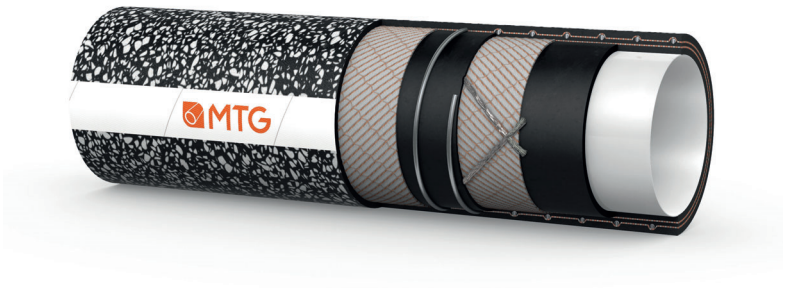
MANIFLON/SD-PHARMA

PHARMACEUTICAL INDUSTRY

EN ISO 9001:2015
No. : Q-3353-24
EN ISO 45001:2018
No. : 20152240011742
EN ISO 14001:2015
No. : 20051240011741

MANIFATTURA TUBI GOMMA S.p.A.
Grisignano di Zocco, 36040 (VI) ITALY
T. +39 0444.614755 | info@mtgspa.com
www.mtgspa.com



APPLICATION

- Multipurpose suction and delivery hose for conveying solvents and chemicals with high concentration.
- Execution in accordance with regulation EN 12115:2021.

CONSTRUCTION

TUBE

- PFA (Perfluoralkoxy), fully fluorinated, light colour, mirror-smooth, odourless and tasteless.
- Compliance: USP Class VI, 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

- Marble finish (UPE), black and white, patented, smooth; resistant to abrasion, ozone and weather.
- Antistatic in acc. with EN 12115:2021. Electric resistance $R < 10^6\ \Omega$.

ELECTRICAL PROPERTIES

- Identification symbol: M.
- Model without copper wires available upon request; identification symbol: Ω.

PATENTS

- E.P. 1450092.
- E.P. 1580475 B1.
- US Patent 7,389,799.

MAIN BENEFITS

- The fluorinated inner liner ensures an excellent impermeability and resistance to oxidation, temperature and mechanical stress, thus avoiding cracks.
- The special marble cover with a low coefficient of friction does not stain the contact surfaces; it is odourless, tasteless and especially suitable for application in pharmaceutical environments and productions requiring the use of inert, contamination-free materials. Also it may easily be washed with the most common cleaning products and withstands sort contact even with aggressive chemicals inside the hose.
- Hose in accordance with EC 1935/2004 and 2023/2006/EC (GMP). Our 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.
- Resistance to steam up to +130°C for max. 30 minutes.

SAFETY FACTOR

- ≥ 4 times working pressure up to ID 75 mm.
- ≥ 3 times working pressure over ID 75 mm.

NOTE

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

MARKING

- Embossed tape according to EN 12115:2021, lengthwise.

MTG MANIFLON PFA PHARMA MADE IN ITALY

TECHNICAL SPECIFICATIONS

SIZE TOLERANCES: I.D.: EN 12115 - Wall thickness: 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	190	1.15	30
38	51	6.5	16	64	-0.9	230	1.50	30
51	66	7.5	16	64	-0.9	300	2.20	30
63.5	79.5	8.0	16	64	-0.9	390	3.00	20
76	93	8.5	16	48	-0.9	450	3.70	20
100	118	9.0	16	48	-0.9	500	5.00	20

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

USP CLASS VI PHARMACOPOEIA | EU 10/2011 | FDA FOOD QUALITY | DM 21/03/73 | PATENTED E.P. 1450092 | PATENTED E.P. 1580475 B1 | PATENTED US 7,389,799

Cod. IT-M00079

UPDATED: 10/25
Rev: 003