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APPLICATION

- Multipurpose suction and delivery hose for conveying solvents and chemicals with high concentration.
- Execution in accordance with regulation EN 12115:2011.

CONSTRUCTION

TUBE

- MFA (Perfluoroalkoxy Polymer, MFA), 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 12115:2011. 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). 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

- ≥ 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 12115:2011, lengthwise.

MANIFLON MFA PHARMA

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

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-M00079

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 Rev: 002