MANICHEM/D-UPE

CHEMICAL INDUSTRY

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

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APPLICATION

- Multipurpose delivery hose for conveying a wide range of aggressive chemicals.
- Engineered to ensure dissipation of electrostatic charges not only on the surface, but also through the hose wall (Electrical resistance: $R<10^9\ \Omega$).

CONSTRUCTION

TUBE

- UPE (Ultra High Molecular Weight Polyethylene), antistatic ($R<10^6\ \Omega$), black, smooth.

REINFORCEMENT

- High strength plies of synthetic cord.
- Copper wires on request.

COVER

- EPDM rubber (code 104N), black, antistatic ($R < 10^6\ \Omega$), resistant to abrasion, ozone and weather, smooth, cloth finish.

STANDARDS

- Execution in accordance with EN 12115:2021.

TEMPERATURE RANGE

- In accordance with EN 12115:2021.
- Resistant to steam up to +130°C for max. 30 minutes.

SAFETY FACTOR

- ≥ 4 times working pressure.

ELECTRICAL PROPERTIES

- Electrical resistance through the hose wall: $R < 10^9\ \Omega$.
- Identification symbol:
  - Ω/T for version without copper wires;
  - M/T for version with copper wires.

MARKING

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

MTG® MANICHEM UPE MADE IN ITALY

TECHNICAL SPECIFICATIONS

SIZE TOLERANCES: Inner diameter: EN 12115 - Outer diameter: 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	23	5.0	16	64	-0.50	90	0.35	40
19	31	6.0	16	64	-0.50	125	0.55	40
25	37	6.0	16	64	-0.40	150	0.70	40
32	44	6.0	16	64	-0.40	175	0.85	40
38	51	6.5	16	64	-0.40	225	1.00	40
50	66	8.0	16	64	-0.30	275	1.70	40
51	67	8.0	16	64	-0.30	275	1.75	40
63.5	79.5	8.0	16	64	---	300	2.10	40
75	91	8.0	16	64	---	350*	2.50	40
76	92	8.0	16	64	---	350*	2.55	40
100	116	8.0	16	64	---	450*	3.20	40
102	118	8.0	16	64	---	450*	3.30	40

(*) The bending radius can be reached at a pressure of ≥ 1 bar.
Chemical resistance acc. to MTG Chemical Resistance Chart. Above technical data are based on application at room temperature (+20°C). Other sizes are available on request.
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.

Cod. IT-M00033

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