# MANICHEM-C/SD-UPE/MARBLE

EN ISO 9001:2015
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EN ISO 45001:2018
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EN ISO 14001:2015
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## APPLICATION

- Multipurpose suction and 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 and white, smooth.
- Compliance: FDA Standards, Regulation EU n. 10/2011.

### REINFORCEMENT

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

### COVER

- EPDM rubber, black, antistatic ($R < 10^6\ \Omega$), resistant to abrasion, ozone and weather, wide corrugated, 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.

## NOTE

- The wide corrugation of the outer surface allows an easy and safe installation of the fittings (no cuffs needed).

## 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 |
|---|---|---|---|---|---|---|---|---|
| 19 | 31 | 6.0 | 10 | 40 | -0.90 | 125 | 0.65 | 40 |
| 25 | 37 | 6.0 | 10 | 40 | -0.90 | 150 | 0.80 | 40 |
| 32 | 44 | 6.0 | 10 | 40 | -0.90 | 175 | 0.95 | 40 |
| 38 | 51 | 6.5 | 10 | 40 | -0.90 | 225 | 1.20 | 40 |
| 50 | 66 | 8.0 | 10 | 40 | -0.90 | 275 | 1.90 | 40 |
| 63.5 | 79.5 | 8.0 | 10 | 40 | -0.90 | 300 | 2.60 | 40 |
| 75 | 91 | 8.0 | 10 | 40 | -0.80 | 350 | 3.00 | 40 |
| 100 | 116 | 8.0 | 10 | 40 | -0.80 | 450 | 4.10 | 40 |

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.

EU 10/2011 FDA FOOD QUALITY DM 21/03/73

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