



## Master-PUR L MHR

Article Master No.: 000010

PU Suction & Transport Hose, lightweight, microbe & hydrolysis-resistant



hydrolysis  
resistant



microbe  
resistant



transparen  
t



flexible



light



moderatel  
y pressure  
resistant

### Product Details

#### Construction / Material

- Type of construction: profile extruded hose with metal spiral
- Spiral Design: made of steel wire
- Material of the spiral: spring steel
- Execution of the wall: made of pure material, wall thickness between the spirals approx. 0.7 mm
- Material of the wall: Polyether Polyurethane

#### Properties

- Specifications of the product: complies with DIN 26057, according to TRGS 727 and ATEX 2014/34 EU
- Chemical Properties: microbe-resistant, halogen-free, good resistance to chemicals, good UV resistance, good resistance to oil, good resistance to petrol, good ozone resistance, hydrolysis resistant, plasticiser-free
- Flexibility: flexible
- Weight: light
- Pressure Resistance: moderately pressure resistant
- Colour: transparent

#### Operating Temperature

- Temperature Range: -40 - 90

- short-term maximum temperature: peaks to 125 °C

## Delivery Information

## Application Areas

- Areas of application: Agriculture, Industry, Aerospace technology, Bulk & Construction, Sea & Rail transport, Chemistry, Food & Pharma, Waste Disposal & Cleaning Technology, Textile, Printing & Paper, Vehicle Construction

## Customizing Options

- optional item modification (on request): other colours, other lengths, other nominal widths, with customer-specific imprint

## Article Variants

| Extended Article Number | Article number | Nominal Size (DN) mm | Outer diameter mm | Bending radius* mm | Weight kg/m | Operating pressure bar | Negative pressure bar | Max. Production length m | Stock Lengths m |
|-------------------------|----------------|----------------------|-------------------|--------------------|-------------|------------------------|-----------------------|--------------------------|-----------------|
| 000010:25:x             | 000010         | 25                   | 30                | 30                 | 0.24        | 3.22                   | 0.79                  | 25.00                    | /               |
| 000010:26:x             | 000010         | 26                   | 31                | 31                 | 0.25        | 3.22                   | 0.79                  | 25.00                    | /               |
| 000010:32:x             | 000010         | 32                   | 40                | 40                 | 0.35        | 2.52                   | 0.71                  | 25.00                    | /               |
| 000010:38:x             | 000010         | 38                   | 46                | 46                 | 0.39        | 2.10                   | 0.66                  | 25.00                    | /               |
| 000010:40:x             | 000010         | 40                   | 48                | 48                 | 0.40        | 2.10                   | 0.66                  | 25.00                    | /               |
| 000010:45:x             | 000010         | 45                   | 53                | 53                 | 0.42        | 1.84                   | 0.59                  | 25.00                    | /               |
| 000010:51:x             | 000010         | 51                   | 58                | 58                 | 0.45        | 1.68                   | 0.52                  | 25.00                    | /               |
| 000010:55:x             | 000010         | 55                   | 63                | 63                 | 0.51        | 1.54                   | 0.44                  | 25.00                    | /               |
| 000010:60:x             | 000010         | 60                   | 68                | 68                 | 0.53        | 1.40                   | 0.44                  | 25.00                    | /               |
| 000010:65:x             | 000010         | 65                   | 73                | 73                 | 0.64        | 1.26                   | 0.37                  | 25.00                    | /               |
| 000010:70:x             | 000010         | 70                   | 78                | 78                 | 0.68        | 1.12                   | 0.37                  | 25.00                    | /               |
| 000010:76:x             | 000010         | 76                   | 84                | 84                 | 0.72        | 1.12                   | 0.29                  | 25.00                    | /               |
| 000010:80:x             | 000010         | 80                   | 88                | 88                 | 0.76        | 0.98                   | 0.29                  | 25.00                    | /               |
| 000010:90:x             | 000010         | 90                   | 99                | 99                 | 0.88        | 0.84                   | 0.22                  | 25.00                    | /               |
| 000010:102:x            | 000010         | 102                  | 110               | 110                | 0.95        | 0.84                   | 0.22                  | 25.00                    | 5, 10           |
| 000010:110:x            | 000010         | 110                  | 119               | 119                | 1.03        | 0.70                   | 0.22                  | 25.00                    | /               |
| 000010:115:x            | 000010         | 115                  | 124               | 124                | 1.06        | 0.70                   | 0.22                  | 25.00                    | /               |
| 000010:120:x            | 000010         | 120                  | 129               | 129                | 1.12        | 0.70                   | 0.22                  | 25.00                    | /               |
| 000010:127:x            | 000010         | 127                  | 135               | 135                | 1.18        | 0.70                   | 0.22                  | 25.00                    | /               |
| 000010:130:x            | 000010         | 130                  | 139               | 139                | 1.20        | 0.56                   | 0.22                  | 25.00                    | /               |
| 000010:150:x            | 000010         | 150                  | 159               | 159                | 1.46        | 0.56                   | 0.15                  | 25.00                    | /               |
| 000010:160:x            | 000010         | 160                  | 170               | 170                | 1.74        | 0.56                   | 0.15                  | 25.00                    | /               |
| 000010:170:x            | 000010         | 170                  | 180               | 180                | 1.80        | 0.42                   | 0.15                  | 25.00                    | /               |
| 000010:180:x            | 000010         | 180                  | 190               | 190                | 1.90        | 0.42                   | 0.15                  | 25.00                    | /               |
| 000010:203:x            | 000010         | 203                  | 214               | 214                | 2.30        | 0.42                   | 0.15                  | 25.00                    | 5, 10           |
| 000010:225:x            | 000010         | 225                  | 235               | 235                | 2.55        | 0.28                   | 0.07                  | 25.00                    | /               |
| 000010:250:x            | 000010         | 250                  | 260               | 260                | 3.02        | 0.28                   | 0.07                  | 25.00                    | /               |
| 000010:254:x            | 000010         | 254                  | 264               | 264                | 3.02        | 0.28                   | 0.07                  | 25.00                    | /               |
| 000010:275:x            | 000010         | 275                  | 284               | 284                | 3.11        | 0.28                   | 0.07                  | 25.00                    | /               |
| 000010:280:x            | 000010         | 280                  | 290               | 290                | 3.14        | 0.28                   | 0.07                  | 25.00                    | /               |

| Extended Article Number | Article number | Nominal Size (DN) mm | Outer diameter mm | Bending radius* mm | Weight kg/m | Operating pressure bar | Negative pressure bar | Max. Production length m | Stock Lengths m |
|-------------------------|----------------|----------------------|-------------------|--------------------|-------------|------------------------|-----------------------|--------------------------|-----------------|
| 000010:300:x            | 000010         | 300                  | 310               | 310                | 3.20        | 0.25                   | 0.07                  | 20.00                    | /               |
| 000010:315:x            | 000010         | 315                  | 325               | 325                | 3.32        | 0.25                   | 0.07                  | 20.00                    | /               |
| 000010:325:x            | 000010         | 325                  | 335               | 335                | 3.40        | 0.25                   | 0.07                  | 20.00                    | /               |
| 000010:350:x            | 000010         | 350                  | 360               | 360                | 3.60        | 0.13                   | 0.07                  | 20.00                    | /               |
| 000010:375:x            | 000010         | 375                  | 386               | 386                | 3.85        | 0.13                   | 0.05                  | 20.00                    | /               |
| 000010:400:x            | 000010         | 400                  | 411               | 410                | 4.45        | 0.13                   | 0.05                  | 20.00                    | /               |
| 000010:450:x            | 000010         | 450                  | 461               | 460                | 5.06        | 0.13                   | 0.05                  | 20.00                    | /               |
| 000010:500:x            | 000010         | 500                  | 511               | 510                | 5.70        | 0.13                   | 0.05                  | 20.00                    | /               |

All data refer to a medium and ambient temperature of +20°C.

Specification of the bending radius related to the inside of the hose bend

Subject to technical changes and colour deviations

## Delivery Variants

Available in other lengths, other nominal diameters, with customer-specific customer-specific imprint.

## Disposal instructions

After use, the product must be disposed of in accordance with the legal regulations applicable in the user's region (in Germany in accordance with the applicable Waste Catalogue Ordinance (AVV)).

## Possible Connection Elements



### Master-Grip Hose Clamp, screwable

Special clamp for fastening light and medium-weight, right-handed spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PVC and Master-SANTO



### Master-Grip Hose Clamp, screwable, Steel quality W4, stainless steel 1.4301

Special clamp for fastening light and medium-weight, right-handed spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PVC and Master-SANTO



### Master-Grip Quick-Fix Clamp

Special clamp for fastening light and medium-weight, right-hand spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PVC and Master-SANTO



### Hose connector

Sheet steel connector for extending, connecting and joining light to medium-weight hoses



### Combiflex PU Screw Cuff EL

PU end fitting for Master-PUR L/H and Master-PVC L/H hoses, electrically conductive



### Combiflex PU Threaded Sockets

PU threaded connector for all Master-PUR L, Master-PUR H and Master-PUR HX hose types, based on DIN ISO 228

## Individual consultation

We offer consultation by phone:  
+49 209 97077-112

Product requests via  
[masterflex.de/en](https://masterflex.de/en)

## Address Headquarters

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