

## Master-PUR STEP MHR

Article Master No.: 000400

PU Film Hose, crush-resistant, microbe & hydrolysis-resistant



microbe  
resistant



transparen  
t



crush-  
proof



very  
flexible



light



moderatel  
y pressure  
resistant

### Product Details

#### Construction / Material

- Type of construction: film hose or fabric hose with attached support coil
- Execution of the wall: made of pure material, wall thickness between the spirals approx. 0.6 mm
- Material of the wall: Polyether Polyurethane
- Design of the profile coil: made of plastic as a special hose (strand) and inserted into the helix

#### Properties

- Chemical Properties: halogen-free, microbe-resistant, good resistance to chemicals, good UV resistance, good resistance to petrol, good resistance to oil, good ozone resistance, free of heavy metals, hydrolysis resistant
- Flexibility: very flexible
- Physical Properties: cold-resistant
- Weight: light
- Pressure Resistance: moderately pressure resistant
- Colour: tube wall transparent with black spiral

#### Operating Temperature

- Temperature Range: -40 - 90
- short-term maximum temperature: peaks to 125 °C

## Delivery Information

- Delivery, type of production: various nominal widths in standard lengths are available ex-production, individual nominal widths and lengths also ex-stock

## Application Areas

- Areas of application: Sea & Rail transport, Waste Disposal & Cleaning Technology, Textile, Vehicle Construction

## Customizing Options

- optional item modification (on request): 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 |
|-------------------------|----------------|----------------------|-------------------|--------------------|-------------|------------------------|-----------------------|--------------------------|-----------------|
| 000400:80:x             | 000400         | 80                   | 100               | 80                 | 0.72        | 0.80                   | 0.31                  | 25.00                    | /               |
| 000400:102:x            | 000400         | 102                  | 120               | 100                | 0.88        | 0.70                   | 0.28                  | 25.00                    | /               |
| 000400:120:x            | 000400         | 120                  | 140               | 120                | 1.05        | 0.63                   | 0.23                  | 25.00                    | /               |
| 000400:152:x            | 000400         | 152                  | 170               | 150                | 1.30        | 0.50                   | 0.17                  | 25.00                    | /               |
| 000400:160:x            | 000400         | 160                  | 180               | 160                | 1.39        | 0.45                   | 0.15                  | 25.00                    | /               |
| 000400:180:x            | 000400         | 180                  | 200               | 180                | 1.56        | 0.40                   | 0.11                  | 25.00                    | /               |
| 000400:127:x            | 000400         | 127                  | 143,4             | 127                | 1.23        | 0.54                   | 0.18                  | 25.00                    | /               |
| 000400:203:x            | 000400         | 203                  | 220               | 200                | 1.72        | 0.30                   | 0.07                  | 25.00                    | /               |

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)).

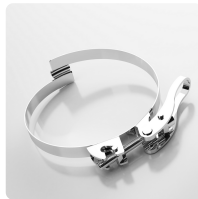
## Possible Connection Elements



**Car-Grip Hose Clamp, screwable**  
special clamp for attaching Carflex Super and Master-PUR STEP hoses to mobile and stationary systems



**Car-Grip Hose Clamp, screwable, Steel quality W4, stainless steel 1.4301**  
special clamp for attaching Carflex Super and Master-PUR STEP hoses to mobile and stationary systems



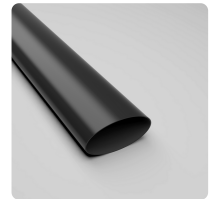
**Car-Grip Quick-Fix Clamp**  
Special clamp for attaching Carflex Super and Master-PUR STEP hoses to mobile and stationary installations



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



**Combiflex PU Cuff V**  
screw-on PU end fitting for Master-PUR hoses on spigots acc. to DIN 2448/DIN 2458, permanently antistatic



**Heat Shrink Cuff**  
Heat shrink sleeve for easy connection and sealing of hoses

### 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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