



## Master-PUR H EL

Article Master No.: 000075

PU Suction & Transport Hose, medium duty, very flexible, electroconductive



antistatic



electrically  
conductive



flexible



medium  
heavy



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 electrically conductive material, Wall thickness between the spirals approx. 1.4 mm
- Material of the wall: Polyester Polyurethane
- Specifications of the wall: Surface resistance  $R_0 < 10^3 \text{ Ohm}$

#### Properties

- Specifications of the product: Complies with DIN 26057
- Chemical Properties: halogen-free, good resistance to chemicals, good UV resistance, good resistance to oil, good resistance to petrol, good ozone resistance
- Flexibility: flexible
- Weight: medium heavy
- Pressure Resistance: pressure resistant
- Colour: black
- Other: high vacuum and good pressure resistance, Configurable as a hose system with digital interface for compatibility with the AMPIUS® app

## 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: Bulk & Construction, Chemistry, Surface Technology, Food & Pharma, Plastics

## Customizing Options

- optional item modification (on request): other nominal widths, other colours, 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 |
|-------------------------|----------------|----------------------|-------------------|--------------------|-------------|------------------------|-----------------------|--------------------------|-----------------|
| 000075:25:x             | 000075         | 25                   | 32                | 46                 | 0.28        | 4.17                   | 0.92                  | 25.00                    |                 |
| 000075:26:x             | 000075         | 26                   | 33                | 47                 | 0.29        | 4.16                   | 0.92                  | 25.00                    | 5, 10           |
| 000075:32:x             | 000075         | 32                   | 41                | 60                 | 0.39        | 3.25                   | 0.92                  | 25.00                    | 5, 10, 15       |
| 000075:38:x             | 000075         | 38                   | 47                | 69                 | 0.46        | 3.12                   | 0.82                  | 25.00                    | 5, 10, 15       |
| 000075:40:x             | 000075         | 40                   | 49                | 72                 | 0.49        | 3.00                   | 0.82                  | 25.00                    | 5, 10           |
| 000075:45:x             | 000075         | 45                   | 55                | 80                 | 0.55        | 2.95                   | 0.81                  | 25.00                    |                 |
| 000075:51:x             | 000075         | 51                   | 61                | 87                 | 0.71        | 2.90                   | 0.79                  | 25.00                    | 5, 10, 15       |
| 000075:55:x             | 000075         | 55                   | 65                | 95                 | 0.77        | 2.75                   | 0.76                  | 25.00                    |                 |
| 000075:60:x             | 000075         | 60                   | 70                | 102                | 0.84        | 2.55                   | 0.74                  | 25.00                    | 5, 10           |
| 000075:65:x             | 000075         | 65                   | 75                | 112                | 0.91        | 2.40                   | 0.66                  | 25.00                    | 5, 10           |
| 000075:70:x             | 000075         | 70                   | 80                | 117                | 0.97        | 2.25                   | 0.66                  | 25.00                    | 5, 10           |
| 000075:76:x             | 000075         | 76                   | 87                | 126                | 1.06        | 2.00                   | 0.59                  | 25.00                    |                 |
| 000075:80:x             | 000075         | 80                   | 91                | 132                | 1.11        | 2.00                   | 0.59                  | 25.00                    | 5, 10           |
| 000075:90:x             | 000075         | 90                   | 101               | 149                | 1.25        | 1.65                   | 0.52                  | 25.00                    |                 |
| 000075:102:x            | 000075         | 102                  | 112               | 165                | 1.48        | 1.50                   | 0.44                  | 25.00                    | 5, 10           |
| 000075:110:x            | 000075         | 110                  | 121               | 179                | 1.61        | 1.35                   | 0.44                  | 25.00                    |                 |
| 000075:115:x            | 000075         | 115                  | 126               | 186                | 1.68        | 1.35                   | 0.31                  | 25.00                    |                 |
| 000075:120:x            | 000075         | 120                  | 131               | 194                | 1.75        | 1.30                   | 0.31                  | 25.00                    |                 |
| 000075:127:x            | 000075         | 127                  | 139               | 205                | 1.91        | 1.30                   | 0.31                  | 25.00                    |                 |
| 000075:130:x            | 000075         | 130                  | 141               | 209                | 1.96        | 1.30                   | 0.31                  | 25.00                    |                 |
| 000075:140:x            | 000075         | 140                  | 151               | 224                | 2.11        | 1.05                   | 0.25                  | 25.00                    |                 |
| 000075:152:x            | 000075         | 152                  | 163               | 242                | 2.29        | 1.05                   | 0.25                  | 25.00                    |                 |
| 000075:160:x            | 000075         | 160                  | 171               | 255                | 2.51        | 0.90                   | 0.25                  | 25.00                    |                 |
| 000075:170:x            | 000075         | 170                  | 181               | 270                | 2.67        | 0.90                   | 0.18                  | 25.00                    |                 |
| 000075:180:x            | 000075         | 180                  | 191               | 285                | 2.82        | 0.75                   | 0.18                  | 25.00                    |                 |
| 000075:203:x            | 000075         | 203                  | 215               | 321                | 3.50        | 0.75                   | 0.18                  | 25.00                    |                 |
| 000075:225:x            | 000075         | 225                  | 237               | 353                | 3.65        | 0.60                   | 0.12                  | 25.00                    |                 |
| 000075:250:x            | 000075         | 250                  | 259               | 385                | 3.84        | 0.60                   | 0.12                  | 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 |
|-------------------------|----------------|----------------------|-------------------|--------------------|-------------|------------------------|-----------------------|--------------------------|-----------------|
| 000075:254:x            | 000075         | 254                  | 263               | 390                | 3.84        | 0.60                   | 0.12                  | 25.00                    |                 |
| 000075:275:x            | 000075         | 275                  | 288               | 426                | 4.22        | 0.45                   | 0.12                  | 25.00                    |                 |
| 000075:280:x            | 000075         | 280                  | 293               | 435                | 4.30        | 0.45                   | 0.12                  | 25.00                    |                 |
| 000075:300:x            | 000075         | 300                  | 313               | 465                | 4.94        | 0.45                   | 0.12                  | 20.00                    |                 |
| 000075:315:x            | 000075         | 315                  | 328               | 488                | 5.19        | 0.45                   | 0.12                  | 20.00                    |                 |
| 000075:325:x            | 000075         | 325                  | 338               | 503                | 5.35        | 0.45                   | 0.12                  | 20.00                    |                 |
| 000075:350:x            | 000075         | 350                  | 363               | 540                | 6.96        | 0.45                   | 0.12                  | 20.00                    |                 |
| 000075:375:x            | 000075         | 375                  | 388               | 580                | 7.45        | 0.30                   | 0.07                  | 20.00                    |                 |
| 000075:400:x            | 000075         | 400                  | 413               | 615                | 7.95        | 0.30                   | 0.07                  | 20.00                    |                 |
| 000075:450:x            | 000075         | 450                  | 463               | 690                | 8.94        | 0.30                   | 0.07                  | 20.00                    |                 |
| 000075:500:x            | 000075         | 500                  | 513               | 765                | 9.93        | 0.30                   | 0.07                  | 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.

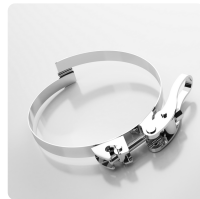
## Possible Connection Elements



**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



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

### Address Headquarters

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