

## Master-PUR L EL

**PU Suction & Transport Hose, light duty, highly flexible, electroconductive, surface resistance  $\leq 10^4 \Omega$**



### Technical Drawing



### Connections



### Construction



### Material

- spiral: spring steel wire
- wall: electrically conductive polyurethane
- wall thickness between spirals approx. 0.7 mm

### Applications

- Suction/extraction of paper and textile fibres
- Danger zones, which require electrically conductive hoses
- Transport of fine-grained particles, such as dust and powder
- Suction & transport hose for abrasive solids, liquids and gases
- Protective hose against mechanical wear
- Oil mist extraction/suction

### Properties

- acc. to DIN 26057
- surface resistance  $R_o < 10^3 \Omega$
- halogen-free

- approved according to TRGS 727 and ATEX 2014/34 EU. [Details according to certificate.](#)
- light
- very good flexibility
- smallest bending radii
- optimum flow characteristics
- highly abrasion-resistant
- good resistance to chemicals, oil and fuel
- generally good UV and ozone resistance

### Temperature Range

- -40°C to +90°C
- peaks to +125°C

### Product Variations

| DN  | op. pressure | vacuum | bend radius | outer Ø | weight/m | article no.  | stock length | max. production length |
|-----|--------------|--------|-------------|---------|----------|--------------|--------------|------------------------|
|     | bar          | bar    | mm          | mm      | kg       |              | m            | m                      |
| 25  | 3,23         | 0,8    | 30          | 30      | 0,24     | 000009:25:x  | /            | 25                     |
| 26  | 3,22         | 0,79   | 31          | 31      | 0,25     | 000009:26:x  | 5/10         | 25                     |
| 32  | 2,52         | 0,71   | 40          | 40      | 0,35     | 000009:32:x  | 5/10         | 25                     |
| 38  | 2,1          | 0,66   | 46          | 46      | 0,39     | 000009:38:x  | 5/10/15      | 25                     |
| 40  | 2,1          | 0,66   | 48          | 48      | 0,40     | 000009:40:x  | 5/10/15      | 25                     |
| 45  | 1,84         | 0,59   | 53          | 53      | 0,42     | 000009:45:x  | /            | 25                     |
| 50  | 1,71         | 0,53   | 57          | 57      | 0,45     | 000009:50:x  | /            | 25                     |
| 51  | 1,68         | 0,52   | 58          | 58      | 0,45     | 000009:51:x  | 5/10/15      | 25                     |
| 55  | 1,54         | 0,44   | 63          | 63      | 0,51     | 000009:55:x  | /            | 25                     |
| 60  | 1,4          | 0,44   | 68          | 68      | 0,53     | 000009:60:x  | 5/10         | 25                     |
| 65  | 1,26         | 0,37   | 73          | 73      | 0,64     | 000009:65:x  | 5/10         | 25                     |
| 70  | 1,12         | 0,37   | 78          | 78      | 0,68     | 000009:70:x  | 5/10/15      | 25                     |
| 75  | 1,12         | 0,3    | 83          | 83      | 0,71     | 000009:75:x  | /            | 25                     |
| 76  | 1,12         | 0,29   | 84          | 84      | 0,72     | 000009:76:x  | 5/10         | 25                     |
| 80  | 0,98         | 0,29   | 88          | 88      | 0,76     | 000009:80:x  | 5/10         | 25                     |
| 90  | 0,84         | 0,22   | 99          | 99      | 0,88     | 000009:90:x  | /            | 25                     |
| 100 | 0,84         | 0,22   | 108         | 108     | 0,94     | 000009:100:x | /            | 25                     |
| 102 | 0,84         | 0,22   | 110         | 110     | 0,95     | 000009:102:x | 5/10/15      | 25                     |
| 110 | 0,7          | 0,22   | 119         | 119     | 1,03     | 000009:110:x | /            | 25                     |
| 115 | 0,7          | 0,22   | 124         | 124     | 1,06     | 000009:115:x | /            | 25                     |
| 120 | 0,7          | 0,22   | 129         | 129     | 1,12     | 000009:120:x | /            | 25                     |
| 125 | 0,7          | 0,22   | 133         | 133     | 1,16     | 000009:125:x | /            | 25                     |
| 127 | 0,7          | 0,22   | 135         | 135     | 1,18     | 000009:127:x | 5/10         | 25                     |
| 130 | 0,56         | 0,22   | 139         | 139     | 1,20     | 000009:130:x | /            | 25                     |
| 140 | 0,56         | 0,15   | 149         | 149     | 1,38     | 000009:140:x | /            | 25                     |
| 150 | 0,56         | 0,15   | 159         | 159     | 1,46     | 000009:150:x | /            | 25                     |
| 152 | 0,56         | 0,15   | 161         | 161     | 1,48     | 000009:152:x | 10           | 25                     |
| 160 | 0,56         | 0,15   | 170         | 170     | 1,74     | 000009:160:x | /            | 25                     |
| 170 | 0,42         | 0,15   | 180         | 180     | 1,80     | 000009:170:x | /            | 25                     |
| 175 | 0,42         | 0,15   | 185         | 185     | 1,85     | 000009:175:x | /            | 25                     |
| 180 | 0,42         | 0,15   | 190         | 190     | 1,90     | 000009:180:x | /            | 25                     |
| 200 | 0,42         | 0,15   | 211         | 211     | 2,25     | 000009:200:x | /            | 25                     |

|     |      |      |     |     |      |              |      |    |
|-----|------|------|-----|-----|------|--------------|------|----|
| 203 | 0,42 | 0,15 | 214 | 214 | 2,30 | 000009:203:x | 5/10 | 25 |
| 225 | 0,28 | 0,07 | 235 | 235 | 2,55 | 000009:225:x | /    | 25 |
| 250 | 0,28 | 0,07 | 256 | 256 | 2,96 | 000009:250:x | /    | 25 |
| 254 | 0,28 | 0,07 | 260 | 260 | 3,02 | 000009:254:x | /    | 25 |
| 275 | 0,28 | 0,07 | 284 | 284 | 3,11 | 000009:275:x | /    | 25 |
| 280 | 0,28 | 0,07 | 290 | 290 | 3,14 | 000009:280:x | /    | 25 |
| 300 | 0,25 | 0,07 | 310 | 310 | 3,20 | 000009:300:x | /    | 20 |
| 315 | 0,25 | 0,07 | 325 | 325 | 3,32 | 000009:315:x | /    | 20 |
| 325 | 0,25 | 0,07 | 335 | 335 | 3,40 | 000009:325:x | /    | 20 |
| 350 | 0,13 | 0,07 | 360 | 360 | 3,60 | 000009:350:x | /    | 20 |
| 375 | 0,13 | 0,05 | 386 | 386 | 3,85 | 000009:375:x | /    | 20 |
| 400 | 0,13 | 0,05 | 410 | 411 | 4,45 | 000009:400:x | /    | 20 |
| 450 | 0,13 | 0,05 | 460 | 461 | 5,06 | 000009:450:x | /    | 20 |
| 500 | 0,13 | 0,05 | 510 | 511 | 5,70 | 000009:500:x | /    | 20 |

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

\* Refers to the inner hose lining

Subject to technical changes and colour deviations.

#### Available on request

- Available on request in other lengths and sizes with print.