

## Master-PUR L Trivolution

**PU Suction hose & Transport Hose, extremely flexible, light duty, antistatic, surface resistance  $< 10^9$  Ohm, microbe-resistant, hardly inflammable acc. to DIN 4102 B1**



### Technical Drawing



### Connections



### Construction



### Material

- spiral: spring steel wire
- wall: pure polyester polyurethane (acc. to DIN ISO 4649 more abrasion-resistant in comparison to polyether polyurethane)
- wall thickness between spirals approx. 0.7 mm

### Applications

- Suction/extraction of paper and textile fibres
- 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

- hardly inflammable acc. to DIN 4102 B1
- microbe-resistant

- permanently antistatic, surface resistance < 10<sup>9</sup> Ohm, measured according to DIN EN ISO 8031
- light
- very good flexibility
- smallest bending radii
- optimum flow characteristics
- highly abrasion-resistant
- good resistance to chemicals, oil and fuel
- high tensile strength
- generally good UV and ozone resistance
- configurable as a hose system with digital interface for compatibility with the AMPIUS® APP
- halogen and plasticizer-free
- approved according to TRGS 727 and ATEX 2014/34 EU. [Details according to certificate.](#)

### 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  | 3,34         | 0,8    | 30          | 30      | 0,23     | 000007:25:x  | /            | 25                     |
| 26  | 3,22         | 0,79   | 31          | 31      | 0,25     | 000007:26:x  | 5/10/15/20   | 25                     |
| 32  | 2,52         | 0,71   | 40          | 40      | 0,35     | 000007:32:x  | 5/10/15/20   | 25                     |
| 38  | 2,1          | 0,66   | 46          | 46      | 0,39     | 000007:38:x  | 5/10/15/20   | 25                     |
| 40  | 2,1          | 0,66   | 48          | 48      | 0,4      | 000007:40:x  | 5/10/15      | 25                     |
| 45  | 1,84         | 0,59   | 53          | 53      | 0,42     | 000007:45:x  | 5/10/15      | 25                     |
| 50  | 1,75         | 0,55   | 57          | 57      | 0,44     | 000007:50:x  | /            | 25                     |
| 51  | 1,68         | 0,52   | 58          | 58      | 0,48     | 000007:51:x  | 5/10/15/20   | 25                     |
| 55  | 1,54         | 0,44   | 63          | 63      | 0,51     | 000007:55:x  | 5/10/15      | 25                     |
| 60  | 1,4          | 0,44   | 68          | 68      | 0,53     | 000007:60:x  | 5/10/15      | 25                     |
| 63  | 1,34         | 0,41   | 70          | 70      | 0,57     | 000007:63:x  | 5/10         | 25                     |
| 65  | 1,26         | 0,37   | 73          | 73      | 0,64     | 000007:65:x  | 5/10/15      | 25                     |
| 70  | 1,12         | 0,37   | 78          | 78      | 0,68     | 000007:70:x  | 5/10/15      | 25                     |
| 75  | 1,12         | 0,34   | 83          | 83      | 0,7      | 000007:75:x  | /            | 25                     |
| 76  | 1,12         | 0,29   | 84          | 84      | 0,72     | 000007:76:x  | 5/10/15      | 25                     |
| 80  | 0,98         | 0,29   | 88          | 88      | 0,76     | 000007:80:x  | 5/10/15      | 25                     |
| 90  | 0,84         | 0,22   | 99          | 99      | 0,88     | 000007:90:x  | 5/10/15      | 25                     |
| 100 | 0,84         | 0,22   | 108         | 108     | 0,94     | 000007:100:x | /            | 25                     |
| 102 | 0,84         | 0,22   | 110         | 110     | 0,95     | 000007:102:x | 5/10/15      | 25                     |
| 110 | 0,7          | 0,22   | 119         | 119     | 1,03     | 000007:110:x | 5/10         | 25                     |
| 115 | 0,7          | 0,22   | 124         | 124     | 1,06     | 000007:115:x | 5/10         | 25                     |
| 120 | 0,7          | 0,22   | 129         | 129     | 1,12     | 000007:120:x | 5/10/15      | 25                     |
| 125 | 0,7          | 0,22   | 134         | 134     | 1,16     | 000007:125:x | /            | 25                     |
| 127 | 0,7          | 0,22   | 135         | 135     | 1,18     | 000007:127:x | 5/10/15      | 25                     |
| 130 | 0,56         | 0,22   | 139         | 139     | 1,2      | 000007:130:x | 5/10         | 25                     |
| 140 | 0,56         | 0,15   | 149         | 149     | 1,38     | 000007:140:x | 5/10/15      | 25                     |
| 150 | 0,56         | 0,15   | 159         | 159     | 1,4      | 000007:150:x | /            | 25                     |
|     |              |        |             |         |          |              |              |                        |

|     |      |      |     |     |      |              |         |    |
|-----|------|------|-----|-----|------|--------------|---------|----|
| 152 | 0,56 | 0,15 | 161 | 161 | 1,48 | 000007:152:x | 5/10/15 | 25 |
| 160 | 0,56 | 0,15 | 170 | 170 | 1,74 | 000007:160:x | 5/10/15 | 25 |
| 170 | 0,42 | 0,15 | 180 | 180 | 1,8  | 000007:170:x | 5/10    | 25 |
| 175 | 0,42 | 0,15 | 185 | 185 | 1,85 | 000007:175:x | 5/10    | 25 |
| 180 | 0,42 | 0,15 | 190 | 190 | 1,9  | 000007:180:x | 5/10/15 | 25 |
| 200 | 0,42 | 0,15 | 210 | 210 | 2,1  | 000007:200:x | /       | 25 |
| 203 | 0,42 | 0,15 | 214 | 214 | 2,3  | 000007:203:x | 5/10/15 | 25 |
| 225 | 0,28 | 0,07 | 235 | 235 | 2,55 | 000007:225:x | 5/10    | 25 |
| 250 | 0,28 | 0,07 | 260 | 260 | 3,02 | 000007:250:x | 5/10/15 | 25 |
| 254 | 0,28 | 0,07 | 264 | 264 | 3,02 | 000007:254:x | /       | 25 |
| 275 | 0,28 | 0,07 | 284 | 284 | 3,11 | 000007:275:x | /       | 25 |
| 280 | 0,28 | 0,07 | 290 | 290 | 3,14 | 000007:280:x | 5/10    | 20 |
| 300 | 0,25 | 0,07 | 310 | 310 | 3,2  | 000007:300:x | 5/10    | 20 |
| 315 | 0,25 | 0,07 | 325 | 325 | 3,32 | 000007:315:x | 5/10    | 20 |
| 325 | 0,25 | 0,07 | 335 | 335 | 3,4  | 000007:325:x | 5/10    | 20 |
| 350 | 0,13 | 0,07 | 360 | 360 | 3,6  | 000007:350:x | 5/10    | 20 |
| 375 | 0,13 | 0,05 | 386 | 386 | 3,85 | 000007:375:x | /       | 20 |
| 400 | 0,13 | 0,05 | 410 | 411 | 4,45 | 000007:400:x | 5/10    | 20 |
| 450 | 0,13 | 0,05 | 460 | 461 | 5,06 | 000007:450:x | 5/10    | 20 |
| 500 | 0,13 | 0,05 | 510 | 511 | 5,7  | 000007:500:x | 5/10    | 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, sizes and colours, with print.