

Master-PUR L Trivolution

PU Suction hose & Transport Hose, extremely flexible, light duty, antistatic, surface resistance <math>< 10^9</math> 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 <math> < 10^9 </math> 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.