

## Master-PUR L Trivolution

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



### 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

- halogen and plasticizer-free
- very good flexibility
- light
- highly abrasion-resistant
- smallest bending radii
- good chemical resistance
- generally good UV and ozone resistance
- oil/petroleum-proof
- gas-tight
- high tensile strength
- mostly smooth inner lining
- optimum flow characteristics
- acc. to TRBS 2153 (Zone 20) for flammable dust/bulk solids for conducting electrostatic charges when earthed at both ends of the spiral
- hardly inflammable acc. to DIN 4102 B1
- microbe-resistant
- antistatic, surface resistance <math>< 10^9</math> Ohm

### Temperature Range

- -40°C to +90°C
- peaks to +125°C

## Master-PUR L Trivolution

| DN  | op. pressure c.<br>bar | vacuum c.<br>mmWC | bend radius c.<br>mm* | outer Ø c.<br>mm | weight c.<br>kg/m | article no  | stock<br>length |
|-----|------------------------|-------------------|-----------------------|------------------|-------------------|-------------|-----------------|
| 25  | 3,22                   | 8000              | 31                    | 31               | 0,25              | 110-025-401 | 10m/15m         |
| 32  | 2,52                   | 7250              | 40                    | 40               | 0,35              | 110-032-401 | 10m/15m         |
| 38  | 2,1                    | 6600              | 46                    | 46               | 0,39              | 110-038-401 | 10m/15m         |
| 40  | 2,1                    | 6600              | 48                    | 48               | 0,4               | 110-040-401 | 10m/15m         |
| 45  | 1,84                   | 6000              | 53                    | 53               | 0,42              | 110-045-401 | 10m/15m         |
| 50  | 1,68                   | 5200              | 58                    | 58               | 0,45              | 110-050-401 | 10m/15m         |
| 55  | 1,54                   | 4400              | 63                    | 63               | 0,51              | 110-055-401 | 10m/15m         |
| 60  | 1,4                    | 4400              | 68                    | 68               | 0,53              | 110-060-401 | 10m/15m         |
| 65  | 1,26                   | 3700              | 73                    | 73               | 0,64              | 110-065-401 | 10m/15m         |
| 70  | 1,12                   | 3700              | 78                    | 78               | 0,68              | 110-070-401 | 10m/15m         |
| 75  | 1,12                   | 3000              | 84                    | 84               | 0,72              | 110-075-401 | 10m/15m         |
| 80  | 0,98                   | 3000              | 88                    | 88               | 0,76              | 110-080-401 | 10m/15m         |
| 90  | 0,84                   | 2200              | 99                    | 99               | 0,88              | 110-090-401 | 10m/15m         |
| 100 | 0,84                   | 2200              | 110                   | 110              | 0,95              | 110-100-401 | 10m/15m         |
| 110 | 0,7                    | 2200              | 119                   | 119              | 1,03              | 110-110-401 | 10m/15m         |
| 115 | 0,7                    | 2200              | 124                   | 124              | 1,06              | 110-115-401 | 10m/15m         |
| 120 | 0,7                    | 2200              | 129                   | 129              | 1,12              | 110-120-401 | 10m/15m         |
| 125 | 0,7                    | 2200              | 135                   | 135              | 1,18              | 110-125-401 | 10m/15m         |
| 130 | 0,56                   | 2200              | 139                   | 139              | 1,2               | 110-130-401 | 10m/15m         |
| 140 | 0,56                   | 1500              | 149                   | 149              | 1,38              | 110-140-401 | 10m/15m         |
| 150 | 0,56                   | 1500              | 161                   | 161              | 1,48              | 110-150-401 | 10m/15m         |
| 160 | 0,56                   | 1500              | 170                   | 170              | 1,74              | 110-160-401 | 10m/15m         |
| 170 | 0,42                   | 1500              | 180                   | 180              | 1,8               | 110-170-401 | 10m/15m         |
| 175 | 0,42                   | 1500              | 185                   | 185              | 1,85              | 110-175-401 | 10m/15m         |
| 180 | 0,42                   | 1500              | 190                   | 190              | 1,9               | 110-180-401 | 10m/15m         |
| 200 | 0,42                   | 1500              | 214                   | 214              | 2,3               | 110-200-401 | 10m/15m         |
| 225 | 0,28                   | 700               | 235                   | 235              | 2,55              | 110-225-401 | 10m/15m         |
| 250 | 0,28                   | 700               | 260                   | 260              | 3,02              | 110-250-401 | 10m/15m         |
| 275 | 0,28                   | 700               | 284                   | 284              | 3,11              | 110-275-401 | 10m             |
| 280 | 0,28                   | 700               | 290                   | 290              | 3,14              | 110-280-401 | 10m             |
| 300 | 0,25                   | 700               | 310                   | 310              | 3,2               | 110-300-401 | 10m             |
| 315 | 0,25                   | 700               | 325                   | 325              | 3,32              | 110-315-401 | 10m             |
| 325 | 0,25                   | 700               | 335                   | 335              | 3,4               | 110-325-401 | 10m             |
| 350 | 0,13                   | 700               | 360                   | 360              | 3,6               | 110-350-401 | 10m             |
| 375 | 0,13                   | 500               | 386                   | 386              | 3,85              | 110-375-401 | /               |
| 400 | 0,13                   | 500               | 410                   | 411              | 4,45              | 110-400-401 | 10m             |
| 450 | 0,13                   | 500               | 460                   | 461              | 5,06              | 110-450-401 | 10m             |
| 500 | 0,13                   | 500               | 510                   | 511              | 5,7               | 110-500-401 | 10m             |

All data refers to a media and ambient temperature of +20 °C  
 \* refers to the inside of the hose  
 Available from stock in the above listed lengths and sizes.  
 Available on request in other lengths, sizes and colours, with print.  
 Subject to technical changes and colour deviations.