

## Master-Clip PTFE

Suction & Blower Hose for  
corrosive  
media up to +250 °C



### Material

clip profile spiral: hot-dip galvanised steel band  
wall: PTFE-coated glass fabric

### Applications

- Pharmaceutical industry
- Chemicals
- Low pressure range
- Paint mist extraction
- Paint, wood and paper industry
- Solvent extraction
- Suction of aggressive media

### Properties

- highly flexible
- excellent chemical resistance
- cold and heat-resistant
- weather-proof
- extremely compressible to approx. 1:6
- anti-adhesive wall lining material
- optimum medium flow characteristics
- outer chafing protection spiral
- high tension-proof connection of wall-lining and spiral via special clamp mechanism
- PTFE: no health risk
- adheres to TRBS 2153 (Zone 1, 21) for non-flammable dusts and gases with low conductivity for dissipation of electrostatic charges with double-ended grounding of Clips and gradient of < 30 mm (see chapter 17.10.5)

### Temperature Range

- -150°C to +250°C
- peaks to +270°C

| DN  | op. pressure<br>c. bar | vacuum c.<br>mmWC | bend radius c.<br>mm* | weight c.<br>kg/m | article no. |  |  |
|-----|------------------------|-------------------|-----------------------|-------------------|-------------|--|--|
| 40  | 0,9                    | 3600              | 24                    | 0,4               | 250-040-113 |  |  |
| 45  | 0,87                   | 3400              | 27                    | 0,4               | 250-045-113 |  |  |
| 50  | 0,85                   | 3200              | 30                    | 0,4               | 250-050-113 |  |  |
| 55  | 0,78                   | 2650              | 33                    | 0,4               | 250-055-113 |  |  |
| 60  | 0,68                   | 2220              | 36                    | 0,5               | 250-060-113 |  |  |
| 65  | 0,59                   | 1900              | 39                    | 0,5               | 250-065-113 |  |  |
| 70  | 0,53                   | 1600              | 42                    | 0,5               | 250-070-113 |  |  |
| 75  | 0,47                   | 1400              | 45                    | 0,6               | 250-075-113 |  |  |
| 80  | 0,43                   | 1250              | 48                    | 0,6               | 250-080-113 |  |  |
| 90  | 0,355                  | 1000              | 54                    | 0,6               | 250-090-113 |  |  |
| 100 | 0,3                    | 800               | 60                    | 0,6               | 250-100-113 |  |  |
| 110 | 0,258                  | 660               | 66                    | 0,6               | 250-110-113 |  |  |
| 120 | 0,224                  | 560               | 72                    | 0,7               | 250-120-113 |  |  |
| 125 | 0,21                   | 500               | 75                    | 0,7               | 250-125-113 |  |  |
| 130 | 0,197                  | 470               | 78                    | 0,7               | 250-130-113 |  |  |
| 140 | 0,175                  | 410               | 84                    | 0,8               | 250-140-113 |  |  |
| 150 | 0,157                  | 360               | 90                    | 0,8               | 250-150-113 |  |  |
| 160 | 0,14                   | 310               | 96                    | 0,9               | 250-160-113 |  |  |
| 170 | 0,128                  | 280               | 102                   | 0,9               | 250-170-113 |  |  |
| 175 | 0,123                  | 260               | 105                   | 1                 | 250-175-113 |  |  |
| 180 | 0,117                  | 245               | 108                   | 1                 | 250-180-113 |  |  |
| 200 | 0,099                  | 200               | 120                   | 1,1               | 250-200-113 |  |  |
| 215 | 0,088                  | 175               | 151                   | 1,2               | 250-215-113 |  |  |
| 225 | 0,082                  | 160               | 158                   | 1,3               | 250-225-113 |  |  |
| 250 | 0,069                  | 130               | 175                   | 1,4               | 250-250-113 |  |  |
| 275 | 0,059                  | 105               | 193                   | 1,7               | 250-275-113 |  |  |
| 300 | 0,052                  | 90                | 210                   | 1,9               | 250-300-113 |  |  |
| 315 | 0,048                  | 80                | 221                   | 2                 | 250-315-113 |  |  |
| 325 | 0,046                  | 75                | 228                   | 2,1               | 250-325-113 |  |  |
| 350 | 0,04                   | 65                | 245                   | 2,3               | 250-350-113 |  |  |
| 375 | 0,036                  | 55                | 263                   | 2,7               | 250-375-113 |  |  |
| 400 | 0,033                  | 50                | 280                   | 2,9               | 250-400-113 |  |  |
| 450 | 0,027                  | 40                | 360                   | 3,5               | 250-450-113 |  |  |
| 500 | 0,023                  | 32                | 400                   | 3,9               | 250-500-113 |  |  |
| 550 | 0,02                   | 26                | 440                   | 4,4               | 250-550-113 |  |  |
| 600 | 0,017                  | 22                | 480                   | 4,9               | 250-600-113 |  |  |
| 700 | 0,014                  | 16                | 560                   | 5,8               | 250-700-113 |  |  |
| 800 | 0,011                  | 13                | 640                   | 6,7               | 250-800-113 |  |  |
| 900 | 0,009                  | 10                | 720                   | 7,6               | 250-900-113 |  |  |

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

\* refers to the inside of the hose

Order-specific production in above listed sizes and lengths of 3m or 6m, available within 48 hrs on request.

Available on request in other lengths, sizes, colours, spiral intervals, with stainless steel spirals.

Subject to technical changes and colour deviations.