

## Master-PUR HX Food

PU Suction & Transport Hose, heavy-duty, food-grade quality acc. to EU 10/2011 and FDA



Technical Drawing



Connections



Construction



### Material

- spiral: spring steel wire (stainless steel 1.4310)
- wall: pure polyether polyurethane, food-grade quality (FDA)
- wall thickness between spirals approx. 1.7 - 2.1 mm, depending on DN

### Applications

- Food industry
- Pharmaceutical industry
- Chemicals industry

### Properties

- flexible
- The hose conforms with EU Guideline 10/2011
- Approved for food-grade categories: A, B, C, D1, D2, E (contact durations acc. to Test Report)
- materials comply with the following food regulations:
  - FDA 21 CFR §177.2600

- FDA 21 CFR §178.2010

- Manufacturing process according to GMP EC 2023/2006
- extremely abrasion resistant via specific reinforcements underneath the spiral
- heavy
- mostly smooth inner lining
- odourless/tasteless
- increased pressure and vacuum resistance
- microbe and hydrolysis-resistant
- optimum flow characteristics
- good chemical resistance
- high tensile strength
- generally good UV and ozone resistance
- halogen and plasticizer-free

### Temperature Range

- -40°C to +90°C
- peaks to +125°C

### Product Variations

| DN  | op.<br>pressure | vacuum | bend<br>radius | outer<br>Ø | weight/m | article no.  | stock<br>length | max.<br>production<br>length |
|-----|-----------------|--------|----------------|------------|----------|--------------|-----------------|------------------------------|
|     | bar             | bar    | mm             | mm         | kg       |              | m               | m                            |
| 32  | 4,85            | 0,94   | 80             | 42         | 0,66     | 000160:32:x  | /               | 20                           |
| 40  | 4,27            | 0,94   | 100            | 50         | 0,83     | 000160:40:x  | /               | 20                           |
| 50  | 4,02            | 0,94   | 123            | 60         | 1,02     | 000160:50:x  | /               | 20                           |
| 51  | 4               | 0,94   | 125            | 61         | 1,04     | 000160:51:x  | 10              | 20                           |
| 55  | 3,75            | 0,89   | 140            | 65         | 1,1      | 000160:55:x  | /               | 20                           |
| 60  | 3,6             | 0,89   | 150            | 70         | 1,2      | 000160:60:x  | /               | 20                           |
| 65  | 3,3             | 0,89   | 165            | 75         | 1,29     | 000160:65:x  | /               | 20                           |
| 70  | 3,15            | 0,89   | 175            | 80         | 1,38     | 000160:70:x  | /               | 20                           |
| 75  | 2,96            | 0,89   | 188            | 86         | 1,57     | 000160:75:x  | /               | 20                           |
| 76  | 2,92            | 0,89   | 190            | 87         | 1,61     | 000160:76:x  | 10              | 20                           |
| 80  | 2,77            | 0,89   | 200            | 93         | 1,93     | 000160:80:x  | /               | 20                           |
| 90  | 2,4             | 0,89   | 225            | 103        | 2,16     | 000160:90:x  | /               | 20                           |
| 100 | 2,15            | 0,87   | 246            | 113        | 2,53     | 000160:100:x | /               | 20                           |
| 102 | 2,1             | 0,87   | 250            | 115        | 2,6      | 000160:102:x | 10              | 20                           |
| 110 | 1,95            | 0,87   | 275            | 124        | 2,82     | 000160:110:x | /               | 20                           |
| 115 | 1,8             | 0,87   | 290            | 129        | 2,94     | 000160:115:x | /               | 20                           |
| 120 | 1,65            | 0,87   | 300            | 134        | 3,07     | 000160:120:x | /               | 20                           |
| 125 | 1,65            | 0,87   | 310            | 138        | 3,33     | 000160:125:x | /               | 20                           |
| 127 | 1,65            | 0,87   | 315            | 140        | 3,44     | 000160:127:x | /               | 20                           |
| 130 | 1,65            | 0,84   | 325            | 145        | 3,54     | 000160:130:x | /               | 20                           |
| 140 | 1,5             | 0,83   | 350            | 153        | 3,81     | 000160:140:x | /               | 20                           |
| 150 | 1,5             | 0,82   | 433            | 165        | 4,08     | 000160:150:x | /               | 20                           |
| 152 | 1,5             | 0,82   | 450            | 167        | 4,13     | 000160:152: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, sizes and colours, with print.