# Master-PUR L Food

## Article Master No.: 000012

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

hydrolysis resistant | food approved | microbe resistant | transparent | flexible | light | moderately pressure resistant

## Product Details

### Construction / Material

- Type of construction: profile extruded hose with metal spiral
- Spiral Design: made from stainless steel wire
- Material of the spiral: stainless steel 1.4310, spring steel
- Execution of the wall: made of pure material, made of specified material, wall thickness between the spirals approx. 0.7 mm
- Material of the wall: polyether polyurethane
- Specifications of the wall: approved for direct food contact of categories A, B, C, D1, D2, E, according to EU Directive 1935/2004, 10/2011 and its latest amending Directives, material complies with food regulations FDA 21 CFR § 177.2600 - 21 CFR § 178.2010, material complies with food regulations FDA 21 CFR § 178.2010

### Properties

- Specifications of the product: manufacturing process according to GMP EC 2023/2006
- Chemical Properties: microbe-resistant, odourless and tasteless, good UV resistance, halogen-free, good resistance to chemicals, good ozone resistance, hydrolysis resistant, plasticiser-free
- Flexibility: flexible
- Weight: light
- Pressure Resistance: moderately pressure resistant
- Colour: transparent

### Operating Temperature

- Temperature Range: -40 to 90 °C
- short-term maximum temperature: peaks to 125 °C

### Delivery Information

- Delivery, type of production: various nominal diameters in standard lengths are available ex-production, individual nominal diameters and lengths also ex-stock

### Application Areas

- Areas of application: Agriculture, Bulk & Construction, Chemistry, Food & Pharma

### Customizing Options

- optional item modification (on request): other lengths, other nominal widths, with customer-specific imprint

## Article Variants

| Extended Article Number | Nominal Size (DN) in mm | Outer diameter in mm | Bending radius* in mm | Weight in kg/m | Operating pressure in bar | Negative pressure in bar | Max. Production length in m | Length (standard lengths available for order) in m |
|---|---|---|---|---|---|---|---|---|
| 000012:32:x | 32 | 40 | 40 | 0.35 | 2.52 | 0.71 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:38:x | 38 | 46 | 46 | 0.39 | 2.10 | 0.66 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:40:x | 40 | 48 | 48 | 0.40 | 2.10 | 0.66 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:45:x | 45 | 53 | 53 | 0.44 | 1.84 | 0.59 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:51:x | 51 | 58 | 58 | 0.45 | 1.68 | 0.52 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:55:x | 55 | 63 | 63 | 0.54 | 1.54 | 0.44 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:60:x | 60 | 68 | 68 | 0.53 | 1.40 | 0.44 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:65:x | 65 | 73 | 75 | 0.64 | 1.26 | 0.37 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:70:x | 70 | 78 | 80 | 0.68 | 1.12 | 0.37 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:76:x | 76 | 84 | 85 | 0.72 | 1.12 | 0.29 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:80:x | 80 | 88 | 90 | 0.76 | 0.98 | 0.29 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:90:x | 90 | 99 | 99 | 0.88 | 0.84 | 0.22 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:102:x | 102 | 110 | 110 | 0.95 | 0.84 | 0.22 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:110:x | 110 | 119 | 119 | 1.23 | 0.70 | 0.22 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:115:x | 115 | 124 | 124 | 1.28 | 0.70 | 0.22 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:120:x | 120 | 129 | 130 | 1.12 | 0.70 | 0.22 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:127:x | 127 | 135 | 135 | 1.18 | 0.70 | 0.22 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:130:x | 130 | 140 | 141 | 1.20 | 0.56 | 0.22 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:140:x | 140 | 150 | 153 | 1.38 | 0.56 | 0.15 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:152:x | 152 | 161 | 165 | 1.48 | 0.56 | 0.15 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:160:x | 160 | 170 | 170 | 1.74 | 0.56 | 0.15 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:175:x | 175 | 185 | 185 | 1.85 | 0.42 | 0.15 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:180:x | 180 | 190 | 190 | 1.90 | 0.42 | 0.15 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:203:x | 203 | 214 | 215 | 2.30 | 0.42 | 0.15 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:225:x | 225 | 235 | 235 | 2.55 | 0.28 | 0.07 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:250:x | 250 | 261 | 262 | 2.90 | 0.40 | 0.13 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:254:x | 254 | 265 | 266 | 2.95 | 0.40 | 0.13 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:300:x | 300 | 311 | 312 | 3.50 | 0.40 | 0.13 | 25.00 | 5 / 10 / 15 / 20 / 25 |
| 000012:305:x | 305 | 316 | 317 | 3.55 | 0.40 | 0.13 | 25.00 | 5 / 10 / 15 / 20 / 25 |

All data refer to a medium and ambient temperature of +20°C.
Specification of the bending radius related to the inside of the hose bend
Subject to technical changes and colour deviations

## Delivery Variants

Available in other lengths, other nominal diameters, with customer-specific customer-specific imprint.

## Disposal instructions

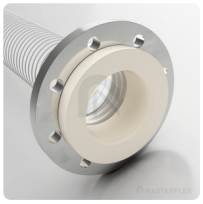
After use, the product must be disposed of in accordance with the legal regulations applicable in the user's region (in Germany in accordance with the applicable Waste Catalogue Ordinance (AVV)).

## Suitable for the product

**Combiflex VA Threaded Sockets Food**
cast-on VA threaded socket with male thread to DIN ISO 228 for all Master-PUR Food hoses, food-safe EU 10/2011

**Master-Grip Double Wire Clamp, screw-fitting**
Special clamp for fastening light and medium-weight, right-handed spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PUR Food, Master-PVC and Master-SANTO

**Combiflex Cast-on PU Fixed Flange Food**
fixed flange for all Master-PUR Food hose types, approved for direct food contact EU 10/2011, for counterflanges acc. to DIN 2632 / DIN 2633 / DIN 2673



**Combiflex PU Swivel Flange Food**
fixed PU flange for all Master-PUR Food hose types, approved for direct food contact EU 10/2011, for counterflanges acc. to DIN 2632 / DIN 2633 / DIN 2673

**Combiflex PU Threaded Sockets Food**
cast-on PU threaded connector for attaching fittings to Master-PUR Food hoses, approved for direct food contact EU 10/2011, following DIN ISO 228

**Combiflex Dairy Fitting Cone Sockets**
cast-on tube fitting with groove nut to DIN 11851 for Master-PUR Food hoses, food-safe EU 10/2011

## Individual consultation

We offer consultation by phone: **+44 161 626 8066**
Product requests via: **https://www.masterflex-hose.co.uk/**

## Headquarters for your sales area

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