



## Master-PUR HX S

Article Master No.: 000186

PU Suction hose & Transport Hose, highly abrasion resistant and vacuum proof, very smooth inner lining, antistatic, microbe-resistant



antistatic



microbe  
resistant



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moderatel  
y flexible



heavy



very  
pressure  
resistant

### Product Details

#### Construction / Material

- Type of construction: profile extruded hose with metal spiral
- Spiral Design: made of steel wire
- Material of the spiral: spring steel
- Execution of the wall: made of specified material, addition of a non-migrating permanent antistatic agent, wall thickness between the spirals approx. 3.5 mm
- Material of the wall: Polyester Polyurethane
- Specifications of the wall: surface resistance  $R_0 < 10^9$  Ohm, measured according to DIN EN ISO 8031, material is more abrasion resistant than comparable polyurethane according to DIN ISO 4649

#### Properties

- Specifications of the product: according to TRGS 727 and ATEX 2014/34 EU
- Chemical Properties: microbe-resistant, halogen-free, good resistance to chemicals, good UV resistance, good resistance to oil, good resistance to petrol, good ozone resistance, plasticiser-free
- Flexibility: moderately flexible
- Physical Properties: permanently antistatic
- Weight: heavy
- Pressure Resistance: very pressure resistant

- Colour: transparent
- Other: high vacuum and peak pressure resistance, particularly smooth on the inside

Operating Temperature

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

Delivery Information

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

Application Areas

- Areas of application: Industry, Bulk & Construction, Chemistry, Food & Pharma, Plastics, Metal & Toolmaking

Customizing Options

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

Article Variants

Extended Article Number	Article number	Nominal Size (DN) mm	Outer diameter mm	Bending radius* mm	Weight kg/m	Operating pressure bar	Negative pressure bar	Max. Production length m	Stock Lengths m	Length (standard lengths available for order) m
000186:51:x	000186	51	64	150	1.30	4.85	0.94	20.00	/	5, 10, 15, 20
000186:76:x	000186	76	89	225	2.10	4.15	0.94	20.00	/	5, 10, 15, 20
000186:102:x	000186	102	114	300	3.20	3.15	0.94	20.00	/	5, 10, 15, 20
000186:127:x	000186	127	140	325	3.90	2.55	0.94	20.00	/	5, 10, 15, 20
000186:152:x	000186	152	165	350	5.10	2.25	0.94	20.00	/	5, 10, 15, 20

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)).

## Possible Connection Elements



**Hose Clamp with Bolts**  
special clamp for fastening medium and heavy spiral hoses to connection pipes on mobile and stationary units



**Hose Clamp with Bolts, Steel quality W4, stainless steel 1.4301**  
Special clamp for fastening medium and heavy spiral hoses to connection pipes on mobile and stationary units

### Individual consultation

We offer consultation by phone:  
**+49 209 97077-112**

Product requests via  
[masterflex.de/en](https://masterflex.de/en)

### Address Headquarters

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