Product Guide

High-Tech Hoses & Connection Systems
Five good reasons why you should be a Masterflex customer

About Masterflex
As a globally operating corporate group, Masterflex specialises in solving complex connection challenges. We can now boast over 25 years worth of experience in the development, manufacturing and processing of high-tech spiral hoses. Our in-depth material and technological expertise helps us turn the most sophisticated high performance plastics into real products, which set international standards. Our core values determine our work philosophy and connect us directly with the whole group.

Masterflex – Connecting Values

What makes us special
Customized hose solutions or products from stock? Whatever you require, we have the right products for your application. We solve connection tasks using high-tech plastics and technically sophisticated fabrics. Here lies our expertise and our passion. We offer added value for our customers with our many years of experience in the field of polymer materials, technically sophisticated fabrics and their processing. From the first on-site consultation and the status analysis through to the development and production of the suitable products - we’re there to support you throughout the whole process with our innovative complete solutions.

Custom-made & all from one supplier.

Why you can always count on us
You can always rely on the constantly high quality of our products. Our products meet even the most stringent of national and international standards. This is a basic demand we place on ourselves. Whether heat, cold, extreme conditions or exposure to chemicals, our products prove themselves through their incredible durability and the long-lasting safety they bring. No matter how good our products are now, we are always working on newer and better ones for the future. Your satisfaction is our greatest success.

We make it possible for you
We are as flexible as the very materials we use. We tackle any challenge, because extraordinary tasks require extraordinary solutions. And that’s exactly what we offer. With our in-depth specialist know-how, we develop customized product solutions for your specific application situation. You need a product quickly, require an unusual combination of materials or a delivery "just in time"? With our quick reaction and delivery times, we’re the perfect partner for you: Because in our business, reliable connections mean much more.

We’re there where you need us
We develop sophisticated and customized products with greater customer benefits. For this reason, our highly experienced sales team is spread worldwide, nearer to wherever you need us. As a fundamentally strong development partner, we have our eye on the market and develop cutting-edge solutions for your specific tasks. At all of our locations throughout the world, our products are manufactured with our renowned German Engineering. This guarantees high quality, short distances, quick reaction times and the direct connection to you, the customer.

Consultation-oriented, personal, quick & expert - that makes the difference!

Quality, which speaks for itself
Visionary ideas drive us forwards and are the source of our own product developments and innovations. Our creations are produced with renowned German Engineering expertise. Our Sales, Engineering and Production Teams work seamlessly to provide you with the best results. This guarantees international quality standards, worldwide. Whatever we do, we always take great care of the environment. Resource-conserving processes and sustainability are our contribution to the environment.

Products & Services from Masterflex - we create values ...and connect them!
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Abrasion-Proof Suction & Transport Hoses made from PU

Suction & transport hoses made from polyurethane, especially suitable for abrasive transport goods, excellent durability

**Flamex B-Fse**

PU Film Hose, light duty, highly flexible and compressible, hardly inflammable acc. to DIN 4102 B1

**Applications**
- Protective hose against mechanical wear
- Hardly inflammable (acc. to DIN 4102 B1) transport hose for abrasive solids
- Wood processing machines
- Shavings extractions in wood processing

**Available in:**
- DN 40 - DN 400
- Colour: transparent
- Stock lengths: see internet
- Max. production lengths: 25 m dep. on DN

**Temperature Range**
-40°C to +90°C
- Peaks to +125°C

**Applications**
- Hardly inflammable transport hose for abrasive solids
- Wood processing machinery
- Wood-chip extraction/suction on CNC controlled processing machines
- Extraction/suction units with greater suction performance
- Protective hose against mechanical loads/wear

**Flamex B-Fse CNC**

PU Film Hose, light duty, highly flexible and compressible, hardly inflammable acc. to DIN 4102 B1

**Applications**
- Hardly inflammable transport hose for abrasive solids
- Wood processing machinery
- Wood-chip extraction/suction on CNC controlled processing machines
- Extraction/suction units with greater suction performance
- Protective hose against mechanical loads/wear

**Available in:**
- DN 200 - DN 400
- Colour: transparent
- Stock lengths: see website
- Max. production length: 25 m dep. on DN

**Temperature Range**
-40°C to +90°C
- Peaks to +125°C

**Applications**
- Hardly inflammable transport hose for abrasive solids
- Wood processing machinery
- Wood-chip extraction/suction on CNC controlled processing machines
- Extraction/suction units with greater suction performance
- Protective hose against mechanical loads/wear

**Flamex Bse**

PU Suction & Transport Hose, lightweight & flexible, hardly inflammable acc. to DIN 4102 B1

**Applications**
- Protective hose against mechanical wear
- Hardly inflammable (acc. to DIN 4102 B1) transport hose for abrasive solids
- Wood processing machines
- Shavings extractions in wood processing

**Available in:**
- DN 40 - DN 500
- Colour: transparent
- Stock lengths: 10 m, dep. on DN
- Max. production lengths: 25 m dep. on DN

**Temperature Range**
-40°C to +90°C
- Peaks to +125°C
### Abrasion-Proof Suction & Transport Hoses made from PU

#### Master-PUR LF Trivolution
- **Applications**
  - Highly flexible spiral hose for suction and transport of abrasive solids, liquids and gases, fine-grained particles, e.g. dust and powder
  - Protective hose against mechanical wear
  - Oil mist extraction/suction
  - Hardly inflammable acc. to DIN 4102 B1
- **Available in:**
  - DN 40 - DN 400
  - Colour: transparent
  - Stock lengths: see Internet
  - Max. Production lengths: 25 m dep. on DN
  - **Temperature Range**
    - -40°C to +90°C
    - Peaks to +125°C

#### Master-PUR L Trivolution
- **Applications**
  - Highly flexible spiral hose for suction and transport of abrasive solids, liquids and gases, fine-grained particles, e.g. dust and powder
  - Suction/extraction of paper and textile fibres
  - Protective hose against mechanical wear
  - Oil mist extraction/suction
  - Hardly inflammable acc. to DIN 4102 B1
- **Available in:**
  - DN 25 - DN 500
  - Colour: transparent
  - Stock lengths: see Internet
  - Max. Production lengths: 25 m dep. on DN
  - **Temperature Range**
    - -40°C to +90°C
    - Peaks to +125°C

#### Master-PUR H Trivolution
- **Applications**
  - Suction/transport of abrasive solids, paper fibres, granules, gases, liquids, rough-grained media with a high flow-rate, e.g. wood shavings
  - Standard hose for industrial vacuum cleaners and granule conveyors
  - Oil mist extraction/suction
  - Hardly inflammable acc. to DIN 4102 B1
- **Available in:**
  - DN 13 - DN 500
  - Colour: transparent
  - Stock lengths: see Internet
  - Max. Production lengths: 25 m dep. on DN
  - **Temperature Range**
    - -40°C to +90°C
    - Peaks to +125°C

#### Master-PUR Hü Trivolution
- **Applications**
  - Protective hose against mechanical wear
  - Transport hose for greater requirements
  - Specially designed for use in dry suction vehicles; light, flexible head hose
  - Hardly inflammable acc. to DIN 4102 B1
- **Available in:**
  - DN 100 - DN 150
  - Colour: transparent
  - Stock lengths: see Internet
  - Max. Production lengths: 25 m dep. on DN
  - **Temperature Range**
    - -40°C to +90°C
    - Peaks to +125°C

#### Master-PUR Hü S Trivolution
- **Applications**
  - Protective hose against mechanical wear
  - Reinforced special hose for use on dry suction vehicles, medium-weight, flexible head hose
  - Hardly inflammable acc. to DIN 4102 B1
- **Available in:**
  - DN 100 - DN 150
  - Colour: transparent
  - Stock lengths: see Internet
  - Max. Production lengths: 25 m dep. on DN
  - **Temperature Range**
    - -40°C to +90°C
    - Peaks to +125°C
### Abrasion-Proof Suction & Transport Hoses made from PU

#### Master-PUR HX Trivolution
- **PU Suction & Transport Hose**, abrasion/vacuum-resistant, reinforced, permanent antistatic, < 10⁹ Ohm, microbe-resistant, hardly inflammable
- **Applications**
  - Suction & transport hose for silo vehicles, loading stations, flat-roof graveling, extremely abrasive media, problematic transport goods such as sand, gravel, grain, etc.
  - Excellent for greater durability and longer maintenance intervals
  - Hardly inflammable acc. to DIN 4102 B1
- **Available in:**
  - DN 32 - DN 300
  - Colour: transparent
  - Stock lengths: see internet
  - Production lengths: 10 m dep. on DN
  - **Temperature Range**
    - -40°C to +90°C
    - Peaks to +125°C

#### Master-PUR HX S
- **PU Suction & Transport Hose**, extremely abrasion/vacuum-resistant, smooth inner lining, permanent antistatic, < 10⁹ Ohm, microbe-resistant
- **Applications**
  - Flat-roof graveling, roof greening, vacuum/suction vehicles, maintenance of railway tracks, transport of glass wool, stone wool, slag, mill scale and sintered materials
  - Suction and transport hose for quarries, cement works, shipyards, docks
  - Working hose for silo vehicles and cargo depots
- **Available in:**
  - DN 50 - DN 150
  - Colour: transparent
  - Stock lengths: see internet
  - Production lengths: 20 m dep. on DN
  - **Temperature Range**
    - -40°C to +90°C
    - Peaks to +125°C

#### Master-PUR Performance
- **PU Suction & Transport Hose**, extremely abrasion/vacuum-resistant, totally smooth inner lining, permanent antistatic, < 10⁹ Ohm, microbe-resistant
- **Applications**
  - Transport hose for problematic media, e.g.
    - sand, gravel, grain, granules, as well as for conveyance, handling and loading plants
  - Everywhere where easy-to-clean surfaces are required
  - Suction and transport hose for extremely abrasive solid, liquid and gaseous media
  - Transports hose for glass works, steelworks, quarries, shipyards, docks, flat-roof graveling, etc.
- **Available in:**
  - DN 38 - DN 200
  - Colour: transparent
  - Stock lengths: see internet
  - Production lengths: 10 m dep. on DN
  - **Temperature Range**
    - -40°C to +90°C
    - Peaks to +125°C

#### Cargoflex
- **PU Suction & Transport Hose**, extremely abrasion/vacuum-resistant, flexible
- **Applications**
  - Suction/transport of highly abrasive goods, e.g.
    - stone wool, gravel, stone, slag, mill scale, cement, glass splinters, sintered materials, materials from shipyards and docks.
  - For highest standards of abrasion resistance and durability
  - Suction & transport hose for the most extreme fields of application
- **Available in:**
  - DN 100 - DN 250
  - Colour: transparent
  - Stock lengths: see internet
  - Production lengths: 20 m dep. on DN
  - **Temperature Range**
    - -40°C to +90°C
    - Peaks to +125°C

#### Master-PUR Inline
- **PU Suction & Transport Hose**, extremely abrasion/vacuum-resistant, totally smooth inner lining, antistatic, < 10⁹ Ohm, microbe-resistant
- **Applications**
  - Special hose for transport of extremely abrasive media
  - Transport hose for problematic media, e.g.
    - sand, gravel, grain, granules
  - Everywhere where easy-to-clean surfaces are required
  - Transport hose for glassworks, mineral processing plants, steelworks, quarries, shipyards, docks, cement works, flat-roof graveling, etc.
  - Other conveyer and loading plants
- **Available in:**
  - DN 38 - DN 254
  - Colour: transparent
  - Stock lengths: see internet
  - Production lengths: 10 m dep. on DN
  - **Temperature Range**
    - -40°C to +90°C
    - Peaks to +125°C
# Abrasion-Proof Suction & Transport Hoses made from PU

## Polderflex PUR

**Application**: PU Suction & Transport Hose, extremely abrasion/vacuum-resistant, smooth inside & outside

**Applications**
- For the most extreme fields of application
- Transport of gravel, stones, for conveyor facilities
- Suction/extraction of glass splinters, glass wool, stone wool, slag, mill scale, sintered material
- Maintenance of railway tracks
- Quarries, cement-works, shipyards, docks, work hose for silo vehicles and loading stations

**Available in**:
- DN 32 - DN 150
- Colour: transparent
- Stock lengths: see internet
- Max. production lengths: 20 m dep. on DN

**Temperature Range**
- -40°C to +90°C
- Peaks to +125°C

## Master-PUR H Streetmaster Pro

**Application**: PU Suction/Transport Hose, flexible, highly resistant to abrasion, vacuum, microbes and hydrolysis, with outside fold

**Applications**
- Higher abrasion resistance due to flow technical optimization (outer folding)
- Extraction/transport of abrasive solids, gaseous and particulate matter
- Liquid media, granulates, paper-fibrous, coarse-grained media with high throughput, chips
- Oil mist extraction

**Available on request in**:
- DN 140 - DN 254
- Colour: transparent, partial colouring
- Stock lengths: see internet
- Max. production lengths: 20 m dep. on DN

**Temperature Range**
- -40°C to +90°C
- Peaks to +125°C

## Master-PUR Flat Food

**Application**: Spiral-Free PU Transport Hose, medium duty, Food-grade quality (FDA)

**Applications**
- Spiral-free transport hose for abrasive solids
- Application as compensator
- Solids transport for sieving machines
- Conductor hose on charging station

**Available in**:
- DN 50 - DN 300
- Colour: transparent
- Stock lengths: see internet
- Max. production lengths: 5 m dep. on DN

**Temperature Range**
- -40°C to +90°C
- Peaks to +125°C

## Master-PUR STEP

**Application**: PU Film Hose, crush-resistant, highly flexible, hardly inflammable acc. to DIN 4102 B1

**Applications**
- Suction & transport hose for abrasive solids, liquids and gases
- Ideal for floor-level areas where conventional hoses are subjected to rough conditions and can be permanently deformed
- Wood processing
- Protective Hose

**Available in**:
- DN 50 - DN 160
- Colour: hose wall transparent with blue spiral/helix
- Stock lengths: see internet
- Max. production lengths: 25 m dep. on DN

**Temperature Range**
- -40°C to +90°C
- Peaks to +125°C

## Miniflex PU

**Application**: PU Protection & Suction Hose with plastic-coated wire helix, microbe-resistant, highly flexible

**Applications**
- Protective hose against mechanical wear
- Cable protection hose
- Protective & suction hose for solids, liquids and gases
- Suction hose for fine-grained particles, e.g. dust, powders, fibres
- Ventilation (gauge pressure & low pressure range)
- Suction hose for handheld machines

**Available in**:
- DN 7 - DN 50
- Colour: blue, RAL5015
- Stock lengths: see internet
- Max. production lengths: 50 m dep. on DN

**Temperature Range**
- -40°C to +90°C
- Peaks to +125°C
Suction & Transport Hoses made from PVC & EVA

Suction & transport hoses made from PVC offer good chemical resistance. Hoses made from EVA are very lightweight, robust and crush-resistant.

### Master-PVC LF
- **PVC Film Hose, light duty, highly flexible**
- **Applications**
  - Transport of fine-grained particles, such as dust and powder
  - Protective hose
  - Liquid/fluid drainage
  - Suction and transport hose for solid, liquid and gaseous media
  - Ventilation and air-conditioning systems
  - Dust removal
  - Apparatus construction
  - Spinning fibre extraction
- **Order-specific production in:**
  - DN 20 - DN 400
  - Colour: grey
  - Stock lengths: see internet
  - Max. Production lengths: 25 m dep. on DN
  - **Temperature Range**
    -20°C to +70°C peaks to +80°C

### Master-PVC LF EL
- **PVC Film Hose, light duty, highly flexible, electroconductive, < 10^6 Ohm**
- **Applications**
  - Transport of fine-grained particles, such as dust and powder
  - Suction and transport hose for solid, liquid and gaseous media
  - Apparatus construction
  - Danger zones, which require electrically conductive hoses
  - Chemicals industry
- **Available in:**
  - DN 50 - DN 300
  - Colour: black
  - Stock lengths: see internet max. Production lengths: 25 m dep. on DN
  - **Temperature Range**
    -20°C to +70°C peaks to +80°C

### Master PVC L
- **PVC Suction & Transport Hose, light duty, highly flexible**
- **Applications**
  - Transport of fine-grained particles, such as dust and powder
  - Protective hose
  - Liquid/fluid drainage
  - Suction and transport hose for solid, liquid and gaseous media
  - Ventilation and air-conditioning systems
- **Available in:**
  - DN 38 - DN 500
  - Colour: grey
  - Stock lengths: see internet max. Production lengths: 25 m dep. on DN
  - **Temperature Range**
    -20°C to +70°C peaks to +80°C
# Suction & Transport Hoses made from PVC & EVA

## Master-PVC HF
- **Applications**
  - Transport of fine-grained particles, such as dust and powder
  - Protective hose
  - Liquid/fluid drainage
  - Suction and transport hose for solid, liquid and gaseous media
  - Ventilation and air-conditioning systems
  - Dust removal
  - Apparatus construction
  - Spinning fibre extraction

## Master-PVC H
- **Applications**
  - Transport of fine-grained particles, such as dust and powder
  - Protective hose
  - Liquid/fluid drainage
  - Suction and transport hose for solid, liquid and gaseous media
  - Ventilation and air-conditioning systems

## Master-PVC Flex
- **Applications**
  - Transport of fine-grained particles, such as dust and powder
  - Protective hose
  - Liquid/fluid drainage
  - Suction and transport hose for solid, liquid and gaseous media
  - Ventilation & air-conditioning systems, boat & caravan manufacturing, machine manufacturing, construction drying, textile industry, vacuum cleaners, welding fume extraction

## Master-VAC
- **Applications**
  - Transport of fine-grained particles, such as dust and powder
  - Protective hose
  - Ventilation, swimming pool cleaning, chemicals industry
  - Conveyance and suction of solid, liquid and gaseous media
  - Dust removal units
  - Lightweight industrial vacuum cleaners
  - Handheld machines

**TOP TIP:** Also available as electroconductive EL version

## Polderflex-PVC
- **Applications**
  - Suction & transport hose for abrasive solids, liquids and gases
  - Sewer cleaning
  - Vacuum pumps
  - Agriculture
  - Construction industry
  - Groundwater offtake

**Order-specific production in:**
- DN 20 - DN 500
- Colour: grey
- max. Production lengths: 25 m dep. on DN

**Temperature Range**
- -20°C to +70°C
- peaks to +80°C

**Available on request in:**
- DN 32 - DN 500
- Colour: grey
- max. Production lengths: 25 m dep. on DN

**Temperature Range**
- -20°C to +70°C
- peaks to +80°C

**Available in:**
- DN 28 - DN 50
- Colour: black
- Stock lengths: see internet
- max. Production lengths: 30 m dep. on DN

**Temperature Range**
- -40°C to +60°C
- peaks to +70°C

**Available in:**
- DN 12 - DN 152
- Colour: transparent
- Stock lengths: see internet
- max. Production lengths: 50 m dep. on DN

**Temperature Range**
- -20°C to +70°C
- peaks to +80°C
Microbe & Hydrolysis Resistant Hoses

Extremely flexible hoses made from Polyester & Polyether-Polyurethane for a wide range of applications

**Master-PUR L Trivolution**

- **Applications**
  - Highly flexible spiral hose for suction and transport of abrasive solids, liquids and gases, fine-grained particles, e.g. dust and powder
  - Suction/extraction of paper and textile fibres
  - Protective hose against mechanical wear
  - Oil mist extraction/suction
  - Hardly inflammmable acc. to DIN 4102 B1

- **Available in**:
  - DN 25 - DN 500
  - Colour: transparent
  - Stock lengths: see internet
  - Max. Production lengths: 25 m dep. on DN
  - **Temperature Range**
  - -40°C to +90°C
  - peaks to +125°C

**Master-PUR H Trivolution**

- **Applications**
  - Suction/transport of abrasive solids, paper fibres, granules, gases, liquids, rough-grained media with a high flow-rate, e.g. wood shavings
  - Standard hose for industrial vacuum cleaners and granule conveyors
  - Oil mist extraction/suction
  - Hardly inflammable acc. to DIN 4102 B1

- **Available in**:
  - DN 13 - DN 500
  - Colour: transparent
  - Stock lengths: see internet
  - Max. Production lengths: 25 m dep. on DN
  - **Temperature Range**
  - -40°C to +90°C
  - peaks to +125°C

**Master-PUR STEP MHR**

- **Applications**
  - Suction & transport hose for abrasive solids, for which microbe and hydrolysis resistance is required
  - Light suction hose for municipal vehicles
  - Leaf vacuums/blowers
  - Lawnmowers

- **Available in**:
  - DN 80 - DN 200
  - Colour: wall transparent with black spiral/helix
  - Stock lengths: see internet
  - Max. Production lengths: 25 m dep. on DN
  - **Temperature Range**
  - -40°C to +90°C
  - peaks to +125°C
# Microbe & Hydrolysis Resistant Hoses

## Master-PUR H-MHR

**PU Suction & Transport Hose**  
medium duty, flexible, microbe & hydrolysis resistant

<table>
<thead>
<tr>
<th>Applications</th>
<th>Order-specific production in:</th>
</tr>
</thead>
</table>
| - Standard hose for industrial vacuum cleaners  
- Granulate transport hose  
- Transport of chips/shavings  
- Suction and transport of paper fibres  
- Oil mist extraction/suction  
- Suction & transport hose for abrasive solids, for which microbe and hydrolysis resistance is required | DN 16 - DN 500  
Colour: transparent  
max. Production lengths: 25 m dep. on DN |

| Temperature Range |  
|--------------------|---|
| -40°C to +90°C  
peaks to +125°C | |

## Master-PUR H Streetmaster Pro

**PU Sweepers Suction Hose**, medium weight, good flexibility, highly abrasion, vacuum, microbe and hydrolysis resistant, with external folding

<table>
<thead>
<tr>
<th>Applications</th>
<th>Available on request in:</th>
</tr>
</thead>
</table>
| - Disposal and cleaning technology  
- Suction hose on large and small sweepers machines  
- Suction and transport hose for abrasive causing  
- Solids with a microbial resistance and optimized flow values are required | DN 140 - DN 254  
Colour: transparent, partial colouring  
Stock lengths: see internet max. Production lengths: 20 m dep. on DN |

| Temperature Range |  
|--------------------|---|
| -40°C to +90°C  
peaks to +125°C | |

## Streetmaster GKS

**PU Suction Hose for large street-cleaner vehicles**, highly abrasion, vacuum & microbe-resistant

<table>
<thead>
<tr>
<th>Applications</th>
<th>Available in:</th>
</tr>
</thead>
</table>
| - Municipal and waste disposal vehicles  
- Suction dredger hose  
- Suction hose for larger sweepers  
- Suction & transport hose for abrasive solids, which require microbe resistance | DN 225, 250, 280  
Colour: black  
Stock lengths: see internet max. Production lengths: 20 m dep. on DN |

| Temperature Range |  
|--------------------|---|
| -40°C to +90°C  
peaks to +125°C | |

## Streetmaster KKS

**PU Suction Hose for smaller street-cleaner vehicles**, highly abrasion, vacuum & microbe-resistant

<table>
<thead>
<tr>
<th>Applications</th>
<th>Available in:</th>
</tr>
</thead>
</table>
| - Municipal and waste disposal vehicles  
- Suction dredger hose  
- Suction hose for smaller sweepers  
- Suction & transport hose for abrasive solids, which require microbe resistance | DN 200  
Colour: black/transparent  
Stock lengths: see internet max. Production lengths: 20 m dep. on DN |

| Temperature Range |  
|--------------------|---|
| -40°C to +90°C  
peaks to +125°C | |

## Streetmaster GLG

**PU hose for larger leaf & grass suction devices**, microbe-resistant

<table>
<thead>
<tr>
<th>Applications</th>
<th>Available in:</th>
</tr>
</thead>
</table>
| - Transport hose for abrasive solids, which require microbe resistance  
- Slope cutters  
- Leaf vacuums/blowers | DN 400  
Colour: black  
Stock lengths: see internet max. Production lengths: 20 m dep. on DN |

| Temperature Range |  
|--------------------|---|
| -40°C to +90°C  
peaks to +125°C | |
Food & Pharmaceutical Hoses

Smooth hoses made from Polyether-Polyurethane, certified to EU directives & FDA approved for almost any application in the Food & Pharmaceutical industries

Master-PUR LF Food
PU Suction & Transport Hose, super lightweight, extremely flexible, Food-grade quality (FDA/ EU 10/2011)

Applications
- Suction & transport hose for the
  - Food industry
  - Pharmaceuticals industry
  - Chemicals industry

Available in:
- DN 40 - DN 400
- Colour: transparent
- Stock lengths: see internet
- Max. Production lengths: 25 m dep. on DN

Temperature Range
-40°C to +90°C
peaks to +125°C

Master-PUR LF Food A
PU Suction & Transport Hose, super lightweight, extremely flexible, Food-grade quality (FDA/ EU 10/2011), permanent antistatic, surface resistance < 10⁹ Ohm

Applications
- Suction & transport hose for the
  - Food industry
  - Pharmaceuticals industry
  - Chemicals industry

Available in:
- DN 40 - DN 400
- Colour: transparent
- Stock lengths: see internet
- Max. Production lengths: 25 m dep. on DN

Temperature Range
-40°C to +90°C
peaks to +125°C

Master-PUR L Food
PU Suction & Transport Hose, lightweight, highly flexible, Food-grade quality (FDA/ EU 10/2011)

Applications
- Certified suction & transport hose for solids & liquids in the
  - Food industry
  - Pharmaceuticals industry
  - Chemicals industry

Available in:
- DN 32 - DN 203
- Colour: transparent
- Stock lengths: see internet
- Max. Production lengths: 25 m dep. on DN

Temperature Range
-40°C to +90°C
peaks to +125°C
<table>
<thead>
<tr>
<th>Master-PUR L Food A</th>
<th>Applications</th>
<th>Available in:</th>
</tr>
</thead>
</table>
| PU Suction & Transport Hose, lightweight, highly flexible, food-grade quality acc. to EU 10/2011 and FDA, permanent antistatic, surface resistance < 10<sup>9</sup> Ohm | Certified suction & transport hose for solids & liquids in the - Food industry - Pharmaceuticals industry - Chemicals industry | DN 32 - DN 203  
Colour: transparent  
Stock lengths: see internet  
max. Production lengths: 25 m dep. on DN |
| **Temperature Range** | -40°C to +90°C  
peaks to +125°C |

<table>
<thead>
<tr>
<th>Master-PUR L Food A Multi</th>
<th>Applications</th>
<th>Available in:</th>
</tr>
</thead>
</table>
| PU Suction & Transport Hose, lightweight, highly flexible, food-grade quality acc. to EU 10/2011 and FDA, permanent antistatic, surface resistance < 10<sup>9</sup> Ohm | Certified suction & transport hose for solids & liquids in the - Food industry - Pharmaceuticals industry - Chemicals industry | DN 32 - DN 203  
Colour: transparent  
Stock lengths: see internet  
max. Production lengths: 25 m dep. on DN |
| **Applications** | Approved for food-grade categories: A, B, C, D1, D2, E (contact durations acc. to Test Report) | **Temperature Range**  
-40°C to +90°C  
peaks to +125°C |

<table>
<thead>
<tr>
<th>Master-PUR H Food</th>
<th>Applications</th>
<th>Available in:</th>
</tr>
</thead>
</table>
| PU Suction & Transport Hose, medium duty, very flexible, Food-grade quality (FDA/ EU 10/2011) | Certified suction & transport hose for solids & liquids in the - Food industry - Pharmaceuticals industry - Chemicals industry | DN 20 - DN 203  
Colour: transparent  
Stock lengths: see internet  
max. Production lengths: 25 m dep. on DN |
| **Temperature Range** | -40°C to +90°C  
peaks to +125°C |

<table>
<thead>
<tr>
<th>Master-PUR H Food A</th>
<th>Applications</th>
<th>Available in:</th>
</tr>
</thead>
</table>
| PU Suction & Transport Hose, medium duty, very flexible, Food-grade quality (FDA/ EU 10/2011), permanent antistatic, surface resistance < 10<sup>9</sup> Ohm | Certified suction & transport hose for solids & liquids in the - Food industry - Pharmaceuticals industry - Chemicals industry | DN 20 - DN 203  
Colour: transparent  
Stock lengths: see internet  
max. Production lengths: 25 m dep. on DN |
| **Temperature Range** | -40°C to +90°C  
peaks to +125°C |

<table>
<thead>
<tr>
<th>Master-PUR H Food A Multi</th>
<th>Applications</th>
<th>Available in:</th>
</tr>
</thead>
</table>
| PU Suction & Transport Hose, medium duty, very flexible, Food-grade quality (FDA/ EU 10/2011), permanent antistatic, surface resistance < 10<sup>9</sup> Ohm | Certified suction & transport hose for solids & liquids in the - Food industry - Pharmaceuticals industry - Chemicals industry | DN 20 - DN 203  
Colour: transparent  
Stock lengths: see internet  
max. Production lengths: 25 m dep. on DN |
| **Applications** | Approved for food-grade categories: A, B, C, D1, D2, E (contact durations acc. to Test Report) | **Temperature Range**  
-40°C to +90°C  
peaks to +125°C |
## Food & Pharmaceutical Hoses

### Master-PUR HX Food

**Available in:**
DN 50 - DN 152  
Colour: transparent  
Stock lengths: see internet  
Production lengths: 10 m  
**Temperature Range**  
-40°C to +90°C  
peaks to +125°C

**Applications**
Certified suction & transport hose for solids & liquids in the  
- Food industry  
- Pharmaceuticals industry  
- Chemicals industry

**Master-PUR HX Food A**

**Available in:**
DN 50 - DN 152  
Colour: transparent  
Production lengths: 10 m  
**Temperature Range**  
-40°C to +90°C  
peaks to +125°C

**Applications**
Certified suction & transport hose for solids & liquids in the  
- Food industry  
- Pharmaceuticals industry  
- Chemicals industry

**Master-PUR HX Food A Multi**

**Available in:**
DN 50 - DN 152  
Colour: transparent  
Production lengths: 10 m  
**Temperature Range**  
-40°C to +90°C  
peaks to +125°C

**Applications**
Certified suction & transport hose for solids & liquids in the  
- Food industry  
- Pharmaceuticals industry  
- Chemicals industry

**Polderflex PUR Food**

**Available in:**
DN 32 - DN 152  
Colour: transparent  
Stock lengths: see internet  
Production lengths: 20 m  
**Temperature Range**  
-40°C to +90°C  
peaks to +125°C

**Applications**
Certified suction & transport hose for solids & liquids in the  
- Food industry  
- Pharmaceuticals industry  
- Chemicals industry

**Polderflex PUR Food A**

**Available in:**
DN 32 - DN 152  
Colour: transparent  
Stock lengths: see internet  
Production lengths: 20 m  
**Temperature Range**  
-40°C to +90°C  
peaks to +125°C

**Applications**
Certified suction & transport hose for solids & liquids in the  
- Food industry  
- Pharmaceuticals industry  
- Chemicals industry
### Master-PUR Flat Food

**Applications**
- Spiral-free transport hose for abrasive solids
- Application as compensator
- Solids transport for sieving machines
- Conductor hose on charging station

**Available in:**
DN 50 - DN 300

**Colour:** transparent

**Stock lengths:** see internet

**Max. Production lengths:**
5 m dep. on DN

**Temperature Range**
-40°C to +90°C
peaks to +125°C

---

### Master-SIL SD Food

**Applications**
- When using the corresponding connectors, the hose can remain in the pipeline for cleaning purposes
- Suction and transport hose for powder and liquid media in the food industry
- Machine development for cosmetic products
- Pharmaceuticals industry
- Chemicals industry

**Available in:**
DN 10 - DN 102

**Colour:** transparent

**Stock lengths:** see internet

**Max. Production lengths:**
20 m dep. on DN

**Temperature Range**
-60°C to +200°C
Antistatic & Electroconductive Hoses

For preventing danger of ignition through electrostatic charges

**Master-PUR L Trivolution**
- PU Suction & Transport Hose, highly flexible, antistatic, surface resistance $< 10^9$ Ohm, microbe-resistant, hardly inflammable
- Applications:
  - Highly flexible spiral hose for suction and transport of abrasive solids, liquids and gases, fine-grained particles, e.g. dust and powder
  - Suction/extraction of paper and textile fibres
  - Suction & transport hose for abrasive solids, liquids and gases
  - Oil mist extraction/suction
  - Protective hose against mechanical wear
  - Danger zones, which require electrically conductive hoses
- Available in:
  - DN 25 - DN 500
  - Colour: transparent
  - Stock lengths: see internet
  - Max. production lengths: 25 m dep. on DN
- Temperature Range
  - $-40^\circ$C to $+90^\circ$C
  - Peaks to $+125^\circ$C

**Master-PUR L EL**
- PU Suction & Transport Hose, light duty, highly flexible, electroconductive, surface resistance $< 10^9$ Ohm
- Applications:
  - Transport of fine-grained particles, such as dust and powder
  - Suction/extraction of paper & textile fibres
  - Suction & transport hose for abrasive solids, liquids and gases
  - Oil mist extraction/suction
  - Protective hose against mechanical wear
  - Microbe & hydrolysis resistant
  - Protective hose against mechanical wear
  - Danger zones, which require electrically conductive hoses
- Available in:
  - DN 25 - DN 500
  - Colour: black
  - Stock lengths: see internet
  - Max. production lengths: 25 m dep. on DN
- Temperature Range
  - $-40^\circ$C to $+90^\circ$C
  - Peaks to $+125^\circ$C

**Master-PUR L MHR A**
- PU Suction & Transport Hose, light duty, highly flexible, electroconductive, surface resistance $< 10^9$ Ohm
- Applications:
  - Transport of fine-grained particles, such as dust and powder
  - Suction/extraction of paper & textile fibres
  - Protective hose against mechanical wear
  - Oil mist extraction/suction
- Available in:
  - DN 25 - DN 500
  - Colour: transparent
  - Stock lengths: see internet
  - Max. production lengths: 25 m dep. on DN
- Temperature Range
  - $-40^\circ$C to $+90^\circ$C
  - Peaks to $+125^\circ$C
## Antistatic & Electroconductive Hoses

### Master-PUR H Trivolution

**Applications**
- Suction/transport of abrasive solids, paper fibres, granules, gases, liquids, rough-grained media with a high flow-rate, e.g. wood shavings
- Standard hose for industrial vacuum cleaners and granule conveyors
- Oil mist extraction/suction
- Hardly inflammable acc. to DIN 4102 B1

**Available in:**
- DN 13 - DN 500
- Colour: transparent
- Stock lengths: see internet
- Max. Production lengths: 25 m dep. on DN

**Temperature Range**
- -40°C to +90°C
- Peaks to +125°C

**Applications**
- Protective hose against mechanical wear
- Suction & transport hose for abrasive solids, for which microbe and hydrolisis resistance is required

**Available in:**
- DN 16 - DN 500
- Colour: transparent
- Stock lengths: see internet max.
- Production lengths: 25 m dep. on DN

**Temperature Range**
- -40°C to +90°C
- Peaks to +125°C

---

### Master-PUR H EL

**Applications**
- Transport of fine-grained particles, such as dust and powder
- Protective hose against mechanical wear
- Suction of coarse-grained media with high flow rate
- Oil mist extraction/suction
- Danger zones, which require electrically conductive hoses

**Available in:**
- DN 25 - DN 500
- Colour: black
- Stock lengths: see internet
- Max. Production lengths: 25 m dep. on DN

**Temperature Range**
- -40°C to +90°C
- Peaks to +125°C

---

### Master-PUR H MHR A

**Applications**
- Protective hose against mechanical wear
- Suction & transport hose for abrasive solids, for which microbe and hydrolisis resistance is required

**Available in:**
- DN 16 - DN 500
- Colour: transparent
- Stock lengths: see internet max.
- Production lengths: 25 m dep. on DN

**Temperature Range**
- -40°C to +90°C
- Peaks to +125°C

---

### Master-PUR HX Trivolution

**Applications**
- Suction & transport hose for silo vehicles, loading stations, flat-roof graveling, extremely abrasive media, problematic transport goods such as sand, gravel, grain, etc.
- Excellent for greater durability and longer maintenance intervals
- Hardly inflammable acc. to DIN 4102 B1

**Available in:**
- DN 32 - DN 300
- Colour: transparent
- Stock lengths: see internet
- Max. Production lengths: 20 m dep. on DN

**Temperature Range**
- -40°C to +90°C
- Peaks to +125°C

---

### Master-PUR HX EL

**Applications**
- Danger zones, which require electrically conductive hoses
- Suction of coarse-grained media with high flow rate
- Protective hose against mechanical wear
- Suction & transport hose for abrasive solids, liquids and gases

**Available in:**
- DN 32 - DN 300
- Colour: black
- Stock lengths: see internet
- Max. Production lengths: 20 m dep. on DN

**Temperature Range**
- -40°C to +90°C
- Peaks to +125°C

---
## Antistatic & Electroconductive Hoses

<table>
<thead>
<tr>
<th><strong>Master-PUR Performance</strong></th>
<th><strong>Applications</strong></th>
<th><strong>Available in:</strong></th>
<th><strong>Temperature Range</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>PU Suction &amp; Transport Hose, extremely abrasion-resistant, totally smooth inner lining, permanent antistatic, ( &lt; 10^4 ) Ohm, microbe-resistant</td>
<td>- Transport hose for problematic media, e.g. sand, gravel, grain, granules, as well as for conveyance, handling and loading plants - Everywhere where easy-to-clean surfaces are required - Suction and transport hose for extremely abrasive solid, liquid and gaseous media - Transports hose for glass works, steelworks, quarries, shipyards, docks, flat-roof graveling, etc.</td>
<td>DN 38 - DN 200</td>
<td>-40°C to +90°C peaks to +125°C</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Master-PE LF EL</strong></th>
<th><strong>Applications</strong></th>
<th><strong>Available in:</strong></th>
<th><strong>Temperature Range</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>PE Film Hose, super lightweight, highly flexible, electroconductive, surface resistance ( \leq 10^4 ) Ohm</td>
<td>- Suction/extraction of chemical fumes and gases in ventilation &amp; air conditioning</td>
<td>DN 40 - DN 600</td>
<td>-40°C to +60°C peaks to +80°C</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Master-PE L EL</strong></th>
<th><strong>Applications</strong></th>
<th><strong>Available in:</strong></th>
<th><strong>Temperature Range</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>PE Suction &amp; Transport Hose, lightweight, highly flexible, electroconductive, surface resistance ( \leq 10^4 ) Ohm</td>
<td>- Suction &amp; transport hose for aggressive gases and liquids - Transport of fine-grained particles, such as dust and powder - Oil mist extraction/suction - Danger zones, which require electrically conductive hoses</td>
<td>DN 25 - DN 300</td>
<td>-35°C to +80°C peaks to +120°C</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Master-PVC LF EL</strong></th>
<th><strong>Applications</strong></th>
<th><strong>Available in:</strong></th>
<th><strong>Temperature Range</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>PVC Film Hose, lightweight, highly flexible, electroconductive, surface resistance ( &lt; 10^6 ) Ohm</td>
<td>- Chemicals industry - Apparatus construction - Suction &amp; transport hose for solid, liquid and gaseous media - Transport of fine-grained particles, such as dust and powder</td>
<td>DN 50 - DN 300</td>
<td>-20°C to +70°C</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Master-Clip VINYL EL</strong></th>
<th><strong>Applications</strong></th>
<th><strong>Order-specific production in:</strong></th>
<th><strong>Temperature Range</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Suction &amp; Blower Hose made from PVC-coated polyester fabric, antistatic, surface resistance ( &lt; 10^6 ) Ohm</td>
<td>- Danger zones, which requires electro-conductivity acc. to TRBS - Suction &amp; conveyance of aggressive media, explosive gases &amp; fumes - Air supply &amp; extraction in explosion-protected areas - For greater mechanical demands - Low pressure range - Extractor units</td>
<td>DN 50 - DN 900</td>
<td>-20°C to +70°C peaks to +80°C</td>
</tr>
</tbody>
</table>
Antistatic & Electroconductive Hoses

**Master-Clip VITON® EL**

Suction & Blower hose made from VITON®-coated Polyester fabric, for corrosive media up to +210 °C, electroconductive, surface resistance ≤ 10^4 Ohm

**Order-specific production in:**
- DN 38 - DN 900
- Colour: black
- Stock lengths: see internet
- max. Production lengths: 25 m dep. on DN

**Temperature Range**
- -25°C to +210°C
- peaks to +240°C

**Applications**
- Danger zones, which requires electroconductivity acc. to TRBS
- Paint mist extraction
- Suction/extraction of aggressive media in medium temperature range
- Low pressure range
- Chemicals industry

**Master-Clip PTFE EL**

Suction & Blower Hose for corrosive media up to +280 °C, electroconductive, surface resistance < 10^6 Ohm

**Order-specific production in:**
- DN 55 - DN 900
- Colour: black
- Stock lengths: see internet
- max. Production lengths: 10 m dep. on DN

**Temperature Range**
- -150°C to +280°C
- peaks to +300°C

**Applications**
- Danger zones, which requires electroconductivity acc. to TRBS
- Suction & conveyance of aggressive media, explosive gases & fumes
- Paint mist extraction
- Paint, wood and paper industry
- Solvent extraction
- Pharmaceuticals industry
- Low pressure range
- Chemicals industry

**Master-Clip PTFE H EL**

Suction & Blower Hose for corrosive media up to +175 °C, electroconductive, surface resistance < 10^6 Ohm

**Order-specific production in:**
- DN 38 - DN 900
- Colour: black
- Stock lengths: see internet
- max. Production lengths: 25 m dep. on DN

**Temperature Range**
- -40°C to +175°C
- peaks to +190°C

**Applications**
- Danger zones, which requires electroconductivity acc. to TRBS
- Suction & conveyance of aggressive media, explosive gases & fumes
- Paint mist extraction
- Paint, wood and paper industry
- Solvent extraction
- Pharmaceuticals industry
- Low pressure range
- Chemicals industry

**Master-Clip PTFE S EL**

Suction & Blower Hose for corrosive media up to +250 °C, electroconductive, surface resistance < 10^6 Ohm

**Order-specific production in:**
- DN 25 - DN 50
- Colour: black
- Stock lengths: see internet
- max. Production lengths: 20 m dep. on DN

**Temperature Range**
- -70°C to +250°C
- peaks to +270°C

**Applications**
- Danger zones, which requires electroconductivity acc. to TRBS
- Suction & conveyance of aggressive media, explosive gases & fumes
- Paint mist extraction
- Paint, wood and paper industry
- Solvent extraction
- Pharmaceuticals industry
- Low pressure range
- Chemicals industry

**Master-VAC EL**

PE-EVA Suction & Transport Hose, lightweight, crush-resistant, electroconductive, surface resistance < 10^6 Ohm

**Available in:**
- DN 25 - DN 50
- Colour: black
- Stock lengths: see internet
- max. Production lengths: 20 m dep. on DN

**Temperature Range**
- -40°C to +60°C
- peaks to +70°C

**Applications**
- Suction hose for fine-grained particles, e.g. dust, powders, fibres
- Protective hose
- Swimming pool cleaning
- Chemicals industry, ventilation
- Conveyance & suction of solid, liquid & gaseous media
- Dust removal units
- Household & industrial vacuum cleaners
- Handheld machines
Air-Conditioning, Ventilation & Welding Fumes Hoses

Air Supply & Ventilation in Air-Conditioning Technology & Extractor Units

**Master-Clip VINYL**

- Application: Suction & Blower Hose made from PE-coated PE fabric, environmentally friendly
- Order-specific production in: DN 40 - DN 900
- Colour: grey
- Stock lengths: see internet
- Max. Production lengths: 25 m dep. on DN
- Temperature Range: -20°C to +70°C peaks to +80°C

**Master-Clip VINYL B**

- Application: Suction & Blower Hose made from PVC-coated Polyester fabric, hardly inflammable
- Order-specific production in: DN 40 - DN 900
- Colour: grey
- Stock lengths: see internet
- Max. Production lengths: 25 m dep. on DN
- Temperature Range: -20°C to +70°C peaks to +80°C

**Master-Clip PE**

- Application: Suction & Blower Hose made from PE-coated PE fabric, environmentally friendly
- Order-specific production in: DN 40 - DN 900
- Colour: white
- Stock lengths: see internet
- Max. Production lengths: 25 m dep. on DN
- Temperature Range: -40°C to +85°C peaks to +95°C
<table>
<thead>
<tr>
<th><strong>Master-Clip PUR</strong></th>
<th><strong>Applications</strong></th>
<th><strong>Order-specific production in:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Suction &amp; Blower</td>
<td>- Suction/extraction of abrasive solids&lt;br&gt;- Air-conditioning &amp; ventilation systems&lt;br&gt;- Low pressure range</td>
<td>DN 40 - DN 900&lt;br&gt;Colour: transparent&lt;br&gt;Stock lengths: see internet&lt;br&gt;max. Production lengths: 15 m dep. on DN&lt;br<strong>Temperature Range</strong>&lt;br&gt;-40°C to +90°C&lt;br&gt;peaks to +125°C</td>
</tr>
<tr>
<td>Hose made from PU film/foil, extremely abrasion-proof</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Master-Clip PUR S</strong></th>
<th><strong>Applications</strong></th>
<th><strong>Order-specific production in:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Suction &amp; Blower</td>
<td>- Suction/extraction of abrasive solids&lt;br&gt;- Filling plants&lt;br&gt;- Low pressure range</td>
<td>DN 50 - DN 900&lt;br&gt;Colour: transparent&lt;br&gt;Stock lengths: see internet&lt;br&gt;max. Production lengths: 15 m dep. on DN&lt;br<strong>Temperature Range</strong>&lt;br&gt;-40°C to +90°C&lt;br&gt;peaks to +125°C</td>
</tr>
<tr>
<td>Hose made from PU film/foil, extremely abrasion-proof, double-layered</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Master-Clip SPARK</strong></th>
<th><strong>Applications</strong></th>
<th><strong>Order-specific production in:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Special hose for welding fumes extraction, made from PVC-coated glass fabric</td>
<td>- Welding fume extraction&lt;br&gt;- For greater safety requirements&lt;br&gt;- Air-conditioning &amp; ventilation systems&lt;br&gt;- Air supply and extraction&lt;br&gt;- Tent heating&lt;br&gt;- Solder fume extraction&lt;br&gt;- Low pressure range&lt;br&gt;- Extractor units</td>
<td>DN 40 - DN 900&lt;br&gt;Colour: dark grey&lt;br&gt;Stock lengths: see internet&lt;br&gt;max. Production lengths: 15 m dep. on DN&lt;br<strong>Temperature Range</strong>&lt;br&gt;-20°C to +90°C&lt;br&gt;peaks to +110°C</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Master-Clip SPARK XL</strong></th>
<th><strong>Applications</strong></th>
<th><strong>Order-specific production in:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Special hose for welding fume extraction with increased risk of flying sparks</td>
<td>- For greater safety requirements&lt;br&gt;- Grinding dust extraction with high degree of flying sparks&lt;br&gt;- Welding fume extraction with greater degree of flying sparks&lt;br&gt;- Suction/extraction of hot and abrasive sanding dust</td>
<td>DN 50 - DN 900&lt;br&gt;Colour: black&lt;br&gt;Stock lengths: see internet&lt;br&gt;max. Production lengths: 15 m dep. on DN&lt;br<strong>Temperature Range</strong>&lt;br&gt;-40°C to +200°C&lt;br&gt;peaks to +280°C</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Master-VENT 2</strong></th>
<th><strong>Applications</strong></th>
<th><strong>Available in:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Suction &amp; Blower</td>
<td>- Steam extraction&lt;br&gt;- Air-conditioning &amp; ventilation systems&lt;br&gt;- Extractor units, which require normal inflammable hoses&lt;br&gt;- Extractor fans &amp; extractors</td>
<td>DN 51 - DN 610&lt;br&gt;Colour: grey&lt;br&gt;Stock lengths: see internet&lt;br&gt;max. Production lengths: 10 m dep. on DN&lt;br<strong>Temperature Range</strong>&lt;br&gt;-30°C to +140°C</td>
</tr>
<tr>
<td>Hose made from co-polymer coated Polyester fabric</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Exhaust Gas Hoses

Hoses for suction/extraction of exhaust fumes from combustion engines at temperatures up to +1100 °C

**Carflex Super**
- Exhaust hose for exhaust fumes/gases up to +200 °C, super lightweight, crush-resistant
- **Applications**
  - Suction/extraction of engine exhaust fumes up to max. +200 °C
  - Permanently rollover-proof exhaust hose
  - Medium wear during extraction of petrol & diesel engine exhaust fumes
  - All conventional exhaust systems, such as:
    - Exhaust Hose Reel
    - Suction Rail System
    - Upper/Lower Floor Systems
    - Stationary Systems
- **Available in:**
  - DN 25 - DN 200
  - Colour: black
  - Stock lengths: see internet
  - Max. production lengths: 25 m dep. on DN
  - **Temperature Range**
    - to +200 °C with appropriate use of exhaust regulators and sufficient air supply (approx. 50%)

**Carflex 200**
- Exhaust gas hose for exhaust fumes/gases up to +200 °C
- **Applications**
  - Suction/extraction of engine exhaust fumes up to max. +200 °C
  - All conventional exhaust systems, such as:
    - Exhaust Hose Reel
    - Suction Rail System
    - Upper/Lower Floor Systems
    - Stationary Systems
    - Light to medium wear during extraction of petrol & diesel engine exhaust fumes
- **Order-specific production in:**
  - DN 63 - DN 200
  - Colour: wall black, spiral/helix blue
  - Stock lengths: see internet
  - Max. production lengths: 25 m dep. on DN
  - **Temperature Range**
    - to +200 °C with appropriate use of exhaust regulators and sufficient air supply (approx. 50%)

**Carflex 300**
- Exhaust gas hose for exhaust fumes/gases up to +300 °C
- **Applications**
  - All conventional exhaust systems, such as:
    - Exhaust Hose Reel
    - Suction Rail System
    - Upper/Lower Floor Systems
    - Stationary Systems
    - Medium to high wear during extraction of petrol and diesel engine exhaust fumes, esp. heavy-duty & construction vehicles
    - Suction/extraction of engine exhaust fumes up to max. +300 °C
- **Order-specific production in:**
  - DN 63 - DN 200
  - Colour: inner lining silver-grey, wall green-grey, spiral/helix red
  - Stock lengths: see internet
  - Max. production lengths: 25 m dep. on DN
  - **Temperature Range**
    - to +300 °C with appropriate use of exhaust regulators and sufficient air supply (approx. 50%)
### Exhaust Gas Hoses

#### Master-Clip HT 300
- **Order-specific production in:** DN 38 - DN 900
- **Colour:** inner lining silver-grey, outer lining green-grey
- **Stock lengths:** see internet
- **Max. Production lengths:** 20 m dep. on DN
- **Temperature Range:** -60°C to +300°C peaks to +350°C
- **Applications:**
  - Machine manufacturing
  - Automotive manufacturing
  - Low pressure range
  - Extractor units
  - Exhaust extraction (engine manufacturing)
  - Hot air
  - Smoke extractors
  - Defence systems
  - Aircraft manufacturing

#### Master-Clip CAR
- **Order-specific production in:** DN 50 - DN 900
- **Colour:** silver-grey
- **Stock lengths:** see internet
- **Max. Production lengths:** 15 m dep. on DN
- **Temperature Range:** -20°C to +450°C
- **Applications:**
  - Diesel engine test-benches with higher extraction performance
  - Machine manufacturing
  - Automotive manufacturing
  - Low pressure range
  - Extractor units
  - Hot air
  - Smoke extractors
  - Defence systems
  - Aircraft manufacturing

#### Master-Clip ISO-CAR
- **Order-specific production in:** DN 38 - DN 900
- **Colour:** grey
- **Stock lengths:** see internet
- **Max. Production lengths:** 20 m dep. on DN
- **Temperature Range:** -260°C to +400°C
- **Applications:**
  - Suction of aggressive gases at high temperatures
  - Exhaust gas routing in gauge pressure & low pressure ranges
  - Vehicle & engine manufacturing
  - Exhaust gas extraction for high-performance engine test-benches in the automotive industry

#### Master-Clip KAPTON®
- **Order-specific production in:** DN 50 - DN 900
- **Colour:** grey
- **Stock lengths:** see internet
- **Max. Production lengths:** 15 m dep. on DN
- **Temperature Range:** -20°C to +300°C
- **Applications:**
  - Machine manufacturing
  - Automotive manufacturing
  - Low pressure range
  - Extractor units
  - Hot air
  - Smoke extractors
  - Defence systems
  - Aircraft manufacturing

#### Master-Clip HT 450
- **Order-specific production in:** DN 50 - DN 900
- **Colour:** silver-grey
- **Stock lengths:** see internet
- **Max. Production lengths:** 15 m dep. on DN
- **Temperature Range:** -20°C to +450°C
- **Applications:**
  - Diesel engine test-benches with higher extraction performance
  - Machine manufacturing
  - Automotive manufacturing
  - Low pressure range
  - Extractor units
  - Hot air
  - Smoke extractors
  - Defence systems
  - Aircraft manufacturing

---

*Exhaust Gas Hoses for exhaust fumes/gases up to +450 °C, double-layered*
## Exhaust Gas Hoses

### Master-Clip HT 650

*Exhaust gas hose for exhaust fumes/gases up to +650 °C*

**Applications**
- Infrared drying units
- Oven manufacturing
- Exhaust gas extraction for high-performance engine test-benches in the automotive industry
- Automotive & aircraft industry
- Shipbuilding industry
- Heat protection
- Smoke extraction
- Mining & steel industry
- Machine manufacturing

**Order-specific production in:**
DN 50 - DN 900

**Colour:** silver-grey

**Stock lengths:** see internet

**Max. Production lengths:**
15 m dep. on DN

**Temperature Range**
-20°C to +650°C
- Peaks to +750°C

### Master-Clip HT 1100

*Exhaust gas hose for exhaust fumes/gases up to +1100 °C*

**Applications**
- Oven manufacturing & heat protection
- Automotive, aircraft & shipbuilding industries
- Defence systems
- Mining & steel industry
- Exhaust gas extraction for high-performance engine test-benches in the automotive industry
- Suction of turbojet engine exhaust fumes
- Exhaust gas extraction for larger engines
- Extreme temperature demands
- Suction/extraction during spark formation

**Order-specific production in:**
DN 75 - DN 900

**Colour:** silver-grey

**Stock lengths:** see internet

**Max. Production lengths:**
15 m dep. on DN

**Temperature Range**
-20°C to +1100°C
Temperature-Resistant Hoses up to +1100 °C

**Suction & transport hoses for media temperatures up to +1100 °C**

### Master-Clip NEOPRENE

Medium & high temperature hose up to +125 °C

**Applications**
- Air-conditioning & ventilation systems
- Engine manufacturing
- Exhaust gas extraction
- Suction/extraction of aggressive media
- Transport of hot & cold air
- Automotive manufacturing
- Low pressure range
- Chemicals industry

**Order-specific production in:**
DN 38 - DN 900
Colour: black
Stock lengths: see internet
Max. Production lengths:
25 m dep. on DN

**Temperature Range**
-35°C to +125°C
peaks to +150°C

### Master-SANTO SL

TPV Suction & Transport Hose, very lightweight, for increased temperatures

**Applications**
- Steam extraction
- Air supply & extraction in engine applications
- Conveyance of hot & cold air in automotive & machine manufacturing
- Gaseous media

**Available in:**
DN 25 - DN 400
Colour: fabric black, spiral/helix grey
Stock lengths: see internet
Max. Production lengths:
25 m dep. on DN

**Temperature Range**
-40°C to +130°C
peaks to +150°C

### Master-SANTO L

TPV Suction & Transport Hose, lightweight, for increased temperatures

**Applications**
- Protective hose against mechanical wear
- Steam extraction
- Air supply & extraction in engine applications
- Conveyance of hot & cold air in automotive & machine manufacturing
- Liquid & gaseous media

**Available in:**
DN 25 - DN 500
Colour: black
Stock lengths: see internet
Max. Production lengths:
25 m dep. on DN

**Temperature Range**
-40°C to +130°C
peaks to +150°C
Temperature-Resistant Hoses up to +1.100 °C

**Master-SANTO H**
- TPV Suction & Transport Hose, medium duty, for increased temperatures
- Applications
  - Protective hose against mechanical wear
  - Steam extraction
  - Air supply & extraction in engine applications
  - Conveyance of hot & cold air in automotive & machine manufacturing
  - Liquid & gaseous media
- Available in:
  - DN 25 - DN 500
  - Colour: black
  - Stock lengths: see internet
  - max. Production lengths: 25 m dep. on DN
  - Temperature Range
    -40°C to +125°C
    peaks -55°C to +150°C

**Master-NEO 1**
- Medium & high temperature hose up to +135 °C
- Applications
  - Chemicals industry
  - Hot air hose for granulate dryer
  - Machine & engine manufacturing
  - Shipbuilding
  - Plastic processing industry
  - Waste incineration plants
  - Conveyance of air & gaseous media with high nominal and ambient temperatures
  - Automotive & aircraft manufacturing
- Available in:
  - DN 13 - DN 305
  - Colour: black
  - Stock lengths: see internet
  - max. Production lengths: 4 m dep. on DN
  - Temperature Range
    -35°C to +135°C
    peaks -55°C to +150°C

**Master-NEO 2**
- Medium & high temperature hose up to +135 °C, double-layered
- Applications
  - Chemicals industry
  - Conveyance of air & gaseous media with high nominal and ambient temperatures
  - Hot air hose for granulate dryer
  - Machine & engine manufacturing
  - Shipbuilding
  - Plastic processing industry
  - Waste incineration plants
  - Automotive & aircraft manufacturing
- Available in:
  - DN 13 - DN 305
  - Colour: black
  - Stock lengths: see internet
  - max. Production lengths: 4 m dep. on DN
  - Temperature Range
    -35°C to +135°C
    peaks -55°C to +150°C

**Master-Clip HYPALON®**
- Medium & high temperature hose up to +175 °C
- Applications
  - Air-conditioning & ventilation systems
  - Engine manufacturing
  - Exhaust gas extraction
  - Suction/extraction of aggressive media
  - Transport of hot & cold air
  - Granulate drying
  - Standard industrial hose
  - Automotive manufacturing
  - Low pressure range
  - Extractor units
- Order-specific production in:
  - DN 38 - DN 900
  - Colour: outer lining black, inner lining green
  - Stock lengths: see internet
  - max. Production lengths: 25 m dep. on DN
  - Temperature Range
    -40°C to +175°C
    peaks to +190°C

**Master-Clip VITON®**
- Medium & high temperature hose up to +210 °C
- Applications
  - Paint mist extraction
  - Suction/extraction of aggressive media in medium temperature range
  - Low pressure range
  - Chemicals industry
- Order-specific production in:
  - DN 38 - DN 900
  - Colour: outer lining red, inner lining black
  - Stock lengths: see internet
  - max. Production lengths: 25 m dep. on DN
  - Temperature Range
    -25°C to +210°C
    peaks to +240°C
### Temperature-Resistant Hoses up to +1,100 °C

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Applications</th>
<th>Available in:</th>
<th>Order-specific production in:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Master-SIL 1</strong></td>
<td>Medium &amp; high temperature hose up to +250°C, double-layered</td>
<td>- Chemicals industry</td>
<td>DN 13 - DN 305</td>
<td>DN 13 - DN 305</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Hot air hose for granulate dryer</td>
<td>Colour: red</td>
<td>Colour: red</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Machine &amp; engine manufacturing</td>
<td>Stock lengths: see internet</td>
<td>Stock lengths: see internet</td>
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<tr>
<td></td>
<td></td>
<td>- Shipbuilding</td>
<td>max. Production lengths: 4 m dep. on DN</td>
<td>max. Production lengths: 4 m dep. on DN</td>
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<tr>
<td></td>
<td></td>
<td>- Plastic processing industry</td>
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<td>- Waste incineration plants</td>
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<td></td>
<td>- Conveyance of air &amp; gaseous media with high nominal and ambient temperatures</td>
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<tr>
<td></td>
<td></td>
<td>- Automotive &amp; aircraft manufacturing</td>
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</tr>
<tr>
<td><strong>Master-SIL 2</strong></td>
<td>Medium &amp; high temperature hose up to +250°C, double-layered</td>
<td>- Chemicals industry</td>
<td>DN 13 - DN 305</td>
<td>DN 13 - DN 305</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Conveyance of air &amp; gaseous media with high nominal and ambient temperatures</td>
<td>Colour: red</td>
<td>Colour: red</td>
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<tr>
<td></td>
<td></td>
<td>- Hot air hose for granulate dryer</td>
<td>Stock lengths: see internet</td>
<td>Stock lengths: see internet</td>
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<tr>
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<td></td>
<td>- Machine &amp; engine manufacturing</td>
<td>max. Production lengths: 4 m dep. on DN</td>
<td>max. Production lengths: 4 m dep. on DN</td>
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<td>- Shipbuilding</td>
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<td>- Plastic processing industry</td>
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<td>- Waste incineration plants</td>
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<td></td>
<td>- Automotive &amp; aircraft manufacturing</td>
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</tr>
<tr>
<td><strong>Master-Clip SILICON</strong></td>
<td>Medium &amp; high temperature hose up to +300 °C, double-layered</td>
<td>- Engine manufacturing</td>
<td>DN 40 - DN 900</td>
<td>DN 40 - DN 900</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Hot &amp; cold air conveyance</td>
<td>Colour: grey</td>
<td>Colour: grey</td>
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<tr>
<td></td>
<td></td>
<td>- Machine manufacturing</td>
<td>Stock lengths: see internet</td>
<td>Stock lengths: see internet</td>
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<tr>
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<td></td>
<td>- Automotive manufacturing</td>
<td>max. Production lengths: 15 m dep. on DN</td>
<td>max. Production lengths: 15 m dep. on DN</td>
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<tr>
<td></td>
<td></td>
<td>- Low pressure range</td>
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<tr>
<td></td>
<td></td>
<td>- Extractor units</td>
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<td>- Defence systems</td>
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<td>- Aircraft manufacturing</td>
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<tr>
<td><strong>Master-Clip ISO-SILICON</strong></td>
<td>Medium &amp; high temperature hose up to +300 °C, double-layered</td>
<td>- Engine manufacturing</td>
<td>DN 40 - DN 900</td>
<td>DN 40 - DN 900</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Hot &amp; cold air conveyance</td>
<td>Colour: grey</td>
<td>Colour: grey</td>
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<td></td>
<td></td>
<td>- Extractor units with greater suction performance</td>
<td>Stock lengths: see internet</td>
<td>Stock lengths: see internet</td>
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<tr>
<td></td>
<td></td>
<td>- Automotive manufacturing</td>
<td>max. Production lengths: 15 m dep. on DN</td>
<td>max. Production lengths: 15 m dep. on DN</td>
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<td></td>
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<td>- Low pressure range</td>
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<td>- Defence systems</td>
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<td>- Aircraft manufacturing</td>
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<tr>
<td><strong>Master-Clip HT 300</strong></td>
<td>Medium &amp; high temperature hose up to +300 °C, silicone-free, highly flexible</td>
<td>- Machine manufacturing</td>
<td>DN 50 - DN 900</td>
<td>DN 50 - DN 900</td>
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<tr>
<td></td>
<td></td>
<td>- Automotive manufacturing</td>
<td>Colour: grey</td>
<td>Colour: grey</td>
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<tr>
<td></td>
<td></td>
<td>- Low pressure range</td>
<td>Stock lengths: see internet</td>
<td>Stock lengths: see internet</td>
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<tr>
<td></td>
<td></td>
<td>- Extractor units</td>
<td>max. Production lengths: 15 m dep. on DN</td>
<td>max. Production lengths: 15 m dep. on DN</td>
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<tr>
<td></td>
<td></td>
<td>- Exhaust extraction (engine manufacturing)</td>
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<td>- Hot air</td>
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<td></td>
<td>- Smoke extractors</td>
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<td></td>
<td>- Defence systems</td>
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<td></td>
<td></td>
<td>- Aircraft manufacturing</td>
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</tr>
</tbody>
</table>
## Temperature-Resistant Hoses up to +1.100 °C

### Master-Clip CAR
- **Medium & high temperature hose up to +300 °C**
- **Applications**
  - Machine manufacturing
  - Automotive manufacturing
  - Low pressure range
  - Extractor units
  - Exhaust extraction (engine manufacturing)
  - Hot air
  - Smoke extractors
  - Defence systems
  - Aircraft manufacturing
- **Order-specific production in:**
  - DN 38 - DN 900
- **Colour:**
  - Inner lining silver-grey, outer lining green-grey
- **Stock lengths:** see internet
- **Temperature Range**
  - -60°C to +300°C
  - Peaks to +350°C

### Master-Clip ISO-CAR
- **Medium & high temperature hose up to +300°C, double-layered**
- **Applications**
  - Machine manufacturing
  - Heat protection
  - Mining & steel industry
  - Primarily suitable as suction/extractor hose
  - Limited suitability for exhaust gas extraction
  - Low pressure range
  - Extractor units
  - Hot air
  - Smoke extractors
  - Defence systems
  - Aircraft manufacturing
- **Order-specific production in:**
  - DN 38 - DN 900
- **Colour:**
  - Inner lining silver-grey, outer lining green-grey
- **Stock lengths:** see internet
- **Temperature Range**
  - -20°C to +400°C
  - Peaks to +450°C

### Master-Clip HT 400
- **Medium & high temperature hose up to +400 °C**
- **Applications**
  - Oven manufacturing
  - Heat protection
  - Machine manufacturing
  - Low pressure range
  - Extractor units
  - Hot air
  - Smoke extractors
- **Order-specific production in:**
  - DN 38 - DN 900
- **Colour:**
  - Silver-grey
- **Stock lengths:** see internet
- **Temperature Range**
  - -20°C to +400°C
  - Peaks to +450°C

### Master-Clip KAPTON®
- **Medium & high temperature hose up to +400 °C, excellent chemical resistance**
- **Applications**
  - Suction of aggressive gases at high temperatures
  - Exhaust gas routeing in gauge pressure & low pressure ranges
  - Vehicle & engine manufacturing
  - Exhaust gas extraction for high-performance engine test-benches in the automotive industry
- **Order-specific production in:**
  - DN 50 - DN 900
- **Colour:**
  - Outer lining white, inner lining yellow/gold
- **Stock lengths:** see internet
- **Temperature Range**
  - -260°C to +400°C

### Master-Clip HT 450
- **Exhaust gas hose for exhaust fumes/gases up to +450 °C, double-layered**
- **Applications**
  - Diesel engine test-benches with higher extraction performance
  - Machine manufacturing
  - Automotive manufacturing
  - Low pressure range
  - Extractor units
  - Hot air
  - Smoke extractors
  - Defence systems
  - Aircraft manufacturing
- **Order-specific production in:**
  - DN 50 - DN 900
- **Colour:**
  - Silver-grey
- **Stock lengths:** see internet
- **Temperature Range**
  - -20°C to +450°C
  - Peaks to +500°C
## Master-Clip HT 500

**Medium & high temperature hose up to +500 °C**

**Applications**
- Exhaust gas routeing in gauge pressure & low pressure range
- Vehicle & engine manufacturing
- Exhaust gas extraction in automotive industry with higher temperature demands

**Order-specific production in:**
DN 75 - DN 900
Colour: inner lining silver, outer lining red
Stock lengths: see internet
max. Production lengths: 10 m dep. on DN

**Temperature Range**
-20°C bis +500°C
kurzzeitig bis +550°C

## Master-Clip HTP 500

**Medium & high temperature hose up to +500 °C**

**Applications**
- Exhaust gas routeing in gauge pressure range for combustion engines of all types
- Engine test-benches
- Generators
- Compressors
- Manipulators

**Order-specific production in:**
DN 80 - DN 300
Colour: inner lining white, outer lining black
Stock lengths: see internet
max. Production lengths: 3 m dep. on DN

**Temperature Range**
-20°C bis +500°C

## Master-Clip HT 650

**Exhaust gas hose for exhaust fumes/gases up to +650 °C**

**Applications**
- Infrared drying units
- Oven manufacturing
- Exhaust gas extraction for high-performance engine test-benches in the automotive industry
- Automotive & aircraft industry
- Shipbuilding industry
- Heat protection
- Smoke extraction
- Mining & steel industry
- Machine manufacturing

**Order-specific production in:**
DN 50 - DN 900
Colour: silver-grey
Stock lengths: see internet
max. Production lengths: 15 m dep. on DN

**Temperature Range**
-20°C to +650°C
peaks to +750°C

## Master-Clip HT 1100

**Exhaust gas hose for exhaust fumes/gases up to +1100 °C**

**Applications**
- Oven manufacturing & heat protection
- Automotive, aircraft & shipbuilding industries
- Defence systems
- Mining & steel industry
- Exhaust gas extraction for high-performance engine test-benches in the automotive industry
- Exhaust gas extraction for larger engines
- Extreme temperature demands
- Suction/extraction during spark formation

**Order-specific production in:**
DN 75 - DN 900
Colour: silver-grey
Stock lengths: see internet
max. Production lengths: 15 m dep. on DN

**Temperature Range**
-20°C to +1100°C

**Temperature-Resistant Hoses up to +1100 °C**
### Chemical-Resistant Hoses

**Suction & transport hoses for aggressive gases & fine-particled media such as dusts and powders in the chemicals industry**

<table>
<thead>
<tr>
<th>Master-PE LF EL</th>
<th>Applications</th>
<th>Available in</th>
</tr>
</thead>
</table>
| PE Film Hose, super lightweight, highly flexible, electroconductive, surface resistance ≤ 10⁴ Ohm | - Suction/extraction of chemical fumes and gases in ventilation & air conditioning | DN 40 - DN 600  
Colour: black  
Stock lengths: see internet  
max. Production lengths: 25 m dep. on DN  
Temperature Range  
-40°C to +60°C  
peaks to +80°C |

<table>
<thead>
<tr>
<th>Master-PE L EL</th>
<th>Applications</th>
<th>Available in</th>
</tr>
</thead>
</table>
| PE Suction & Transport Hose, lightweight, highly flexible, electroconductive, surface resistance ≤ 10⁴ Ohm | - Suction & transport hose for aggressive gases and liquids  
- Transport of fine-grained particles, such as dust and powder  
- Oil mist extraction/suction  
- Danger zones, which require electrically conductive hoses | DN 25 - DN 300  
Colour: black  
Stock lengths: see internet  
max. Production lengths: 25 m dep. on DN  
Temperature Range  
-35°C to +80°C  
peaks to +120°C |

<table>
<thead>
<tr>
<th>Master-Clip VINYL EL</th>
<th>Applications</th>
<th>Order-specific production in:</th>
</tr>
</thead>
</table>
| Suction & Blower Hose made from PVC-coated polyester fabric, antistatic, surface resistance < 10⁶ Ohm | - Danger zones, which requires electro-conductivity acc. to TRBS  
- Suction & conveyance of aggressive media, explosive gases & fumes  
- Air supply & extraction in explosion-protected areas  
- For greater mechanical demands  
- Low pressure range  
- Extractor units | DN 50 - DN 900  
Colour: black  
Stock lengths: see internet  
max. Production lengths: 20 m dep. on DN  
Temperature Range  
-20°C to +70°C  
peaks to +80°C |
## Chemical-Resistant Hoses

### Master-Clip NEOPRENE
- **Medium & high temperature hose up to +125 °C**

<table>
<thead>
<tr>
<th><strong>Applications</strong></th>
<th>Order-specific production in:</th>
</tr>
</thead>
</table>
| - Air-conditioning & ventilation systems  
- Engine manufacturing  
- Exhaust gas extraction  
- Suction/extraction of aggressive media  
- Transport of hot & cold air  
- Automotive manufacturing  
- Low pressure range  
- Chemicals industry | DN 38 - DN 900  
Colour: black  
Stock lengths: see internet  
max. Production lengths: 25 m dep. on DN |

<table>
<thead>
<tr>
<th><strong>Temperature Range</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>-35°C to +125°C peaks to +150°C</td>
</tr>
</tbody>
</table>

### Master-Clip HYPALON®
- **Medium & high temperature hose up to +175 °C**

<table>
<thead>
<tr>
<th><strong>Applications</strong></th>
<th>Order-specific production in:</th>
</tr>
</thead>
</table>
| - Air-conditioning & ventilation systems  
- Engine manufacturing  
- Exhaust gas extraction  
- Suction/extraction of aggressive media  
- Transport of hot & cold air  
- Granulate drying  
- Standard industrial hose  
- Automotive manufacturing  
- Low pressure range  
- Extractor units | DN 38 - DN 900  
Colour: outer lining black, inner lining green  
Stock lengths: see internet  
max. Production lengths: 25 m dep. on DN |

<table>
<thead>
<tr>
<th><strong>Temperature Range</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>-40°C to +175°C peaks to +190°C</td>
</tr>
</tbody>
</table>

### Master-Clip VITON®
- **Medium & high temperature hose up to +210 °C**

<table>
<thead>
<tr>
<th><strong>Applications</strong></th>
<th>Order-specific production in:</th>
</tr>
</thead>
</table>
| - Paint mist extraction  
- Suction/extraction of aggressive media in medium temperature range  
- Low pressure range  
- Chemicals industry | DN 38 - DN 900  
Colour: outer lining red, inner lining black  
Stock lengths: see internet  
max. Production lengths: 25 m dep. on DN |

<table>
<thead>
<tr>
<th><strong>Temperature Range</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>-25°C to +210°C peaks to +240°C</td>
</tr>
</tbody>
</table>

### Master-Clip VITON® EL
- **Suction & Blower hose made from VITON®-coated Polyester fabric, for corrosive media up to +210 °C, electroconductive, surface resistance ≤ 10⁴ Ohm**

<table>
<thead>
<tr>
<th><strong>Applications</strong></th>
<th>Order-specific production in:</th>
</tr>
</thead>
</table>
| - Danger zones, which requires electro-conductivity acc. to TRBS  
- Paint mist extraction  
- Suction/extraction of aggressive media in medium temperature range  
- Low pressure range  
- Chemicals industry | DN 38 - DN 900  
Colour: black  
Stock lengths: see internet  
max. Production lengths: 25 m dep. on DN |

<table>
<thead>
<tr>
<th><strong>Temperature Range</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>-25°C to +210°C peaks to +240°C</td>
</tr>
</tbody>
</table>

### Master-Clip PTFE
- **Suction & Blower Hose for aggressive media up to +250 °C**

<table>
<thead>
<tr>
<th><strong>Applications</strong></th>
<th>Order-specific production in:</th>
</tr>
</thead>
</table>
| - Paint mist extraction  
- Paint, wood and paper industry  
- Solvent extraction  
- Suction/extraction of aggressive media  
- Pharmaceuticals industry  
- Chemicals industry  
- Low pressure range | DN 40 - DN 900  
Stock lengths: see internet  
max. Production lengths: 20 m dep. on DN |

<table>
<thead>
<tr>
<th><strong>Temperature Range</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>-150°C to +250°C peaks to +270°C</td>
</tr>
</tbody>
</table>
# Chemical-Resistant Hoses

<table>
<thead>
<tr>
<th>Product</th>
<th>Order-specific production in:</th>
<th>Applications</th>
<th>Temperature Range</th>
<th>Applications</th>
<th>Temperature Range</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Master-Clip PTFE EL</strong></td>
<td>DN 55 - DN 900</td>
<td>Danger zones, which requires electro-conductivity acc. to TRBS</td>
<td>-40°C to +175°C</td>
<td>Danger zones, which requires electro-conductivity acc. to TRBS</td>
<td>-40°C to +175°C</td>
</tr>
<tr>
<td></td>
<td>Colour: black</td>
<td>Suction &amp; conveyance of aggressive media, explosive gases &amp; fumes</td>
<td>peaks to +190°C</td>
<td>Suction &amp; conveyance of aggressive media, explosive gases &amp; fumes</td>
<td>peaks to +190°C</td>
</tr>
<tr>
<td></td>
<td>Stock lengths: see internet</td>
<td>Paint mist extraction</td>
<td></td>
<td>Paint mist extraction</td>
<td></td>
</tr>
<tr>
<td></td>
<td>max. Production lengths: 10 m dep. on DN</td>
<td>Paint, wood and paper industry</td>
<td></td>
<td>Paint, wood and paper industry</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Solvent extraction</td>
<td></td>
<td>Solvent extraction</td>
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<td></td>
<td></td>
<td>Pharmaceuticals industry</td>
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<td>Pharmaceuticals industry</td>
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<tr>
<td></td>
<td></td>
<td>Low pressure range</td>
<td></td>
<td>Low pressure range</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Chemicals industry</td>
<td></td>
<td>Chemicals industry</td>
<td></td>
</tr>
<tr>
<td><strong>Master-Clip PTFE H</strong></td>
<td>DN 38 - DN 900</td>
<td>Suction &amp; conveyance of aggressive media, explosive gases &amp; fumes</td>
<td>-40°C to +175°C</td>
<td>Danger zones, which requires electro-conductivity acc. to TRBS</td>
<td>-40°C to +175°C</td>
</tr>
<tr>
<td></td>
<td>Colour: inner lining white, outer lining black</td>
<td>Paint mist extraction</td>
<td>peaks to +190°C</td>
<td>Suction &amp; conveyance of aggressive media, explosive gases &amp; fumes</td>
<td>peaks to +190°C</td>
</tr>
<tr>
<td></td>
<td>Stock lengths: see internet</td>
<td>Paint, wood and paper industry</td>
<td></td>
<td>Paint, wood and paper industry</td>
<td></td>
</tr>
<tr>
<td></td>
<td>max. Production lengths: 25 m dep. on DN</td>
<td>Solvent extraction</td>
<td></td>
<td>Solvent extraction</td>
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<td></td>
<td></td>
<td>Pharmaceuticals industry</td>
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<td>Pharmaceuticals industry</td>
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<td></td>
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<td>Low pressure range</td>
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<td>Low pressure range</td>
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<td></td>
<td></td>
<td>Chemicals industry</td>
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<td>Chemicals industry</td>
<td></td>
</tr>
<tr>
<td><strong>Master-Clip PTFE H EL</strong></td>
<td>DN 38 - DN 900</td>
<td>Danger zones, which requires electro-conductivity acc. to TRBS</td>
<td>-40°C to +175°C</td>
<td>Danger zones, which requires electro-conductivity acc. to TRBS</td>
<td>-40°C to +175°C</td>
</tr>
<tr>
<td></td>
<td>Colour: black</td>
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<td>peaks to +190°C</td>
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<td></td>
<td>Stock lengths: see internet</td>
<td>Paint mist extraction</td>
<td></td>
<td>Paint mist extraction</td>
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<tr>
<td></td>
<td>max. Production lengths: 20 m dep. on DN</td>
<td>Paint, wood and paper industry</td>
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<td>Paint, wood and paper industry</td>
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<td>Solvent extraction</td>
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<td></td>
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<td>Low pressure range</td>
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<td>Low pressure range</td>
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<tr>
<td></td>
<td></td>
<td>Chemicals industry</td>
<td></td>
<td>Chemicals industry</td>
<td></td>
</tr>
<tr>
<td><strong>Master-Clip PTFE S</strong></td>
<td>DN 50 - DN 900</td>
<td>Danger zones, which requires electro-conductivity acc. to TRBS</td>
<td>-70°C to +250°C</td>
<td>Danger zones, which requires electro-conductivity acc. to TRBS</td>
<td>-70°C to +250°C</td>
</tr>
<tr>
<td></td>
<td>Colour: inner lining white, outer lining black</td>
<td>Suction &amp; conveyance of aggressive media, explosive gases &amp; fumes</td>
<td>peaks to +270°C</td>
<td>Suction &amp; conveyance of aggressive media, explosive gases &amp; fumes</td>
<td>peaks to +270°C</td>
</tr>
<tr>
<td></td>
<td>Stock lengths: see internet</td>
<td>Paint mist extraction</td>
<td></td>
<td>Paint mist extraction</td>
<td></td>
</tr>
<tr>
<td></td>
<td>max. Production lengths: 10 m dep. on DN</td>
<td>Paint, wood and paper industry</td>
<td></td>
<td>Paint, wood and paper industry</td>
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<td></td>
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<td>Solvent extraction</td>
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<td>Low pressure range</td>
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<td>Low pressure range</td>
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<td>Chemicals industry</td>
<td></td>
<td>Chemicals industry</td>
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</tr>
<tr>
<td><strong>Master-Clip PTFE S EL</strong></td>
<td>DN 50 - DN 900</td>
<td>Danger zones, which requires electro-conductivity acc. to TRBS</td>
<td>-70°C to +250°C</td>
<td>Danger zones, which requires electro-conductivity acc. to TRBS</td>
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<td>Suction &amp; conveyance of aggressive media, explosive gases &amp; fumes</td>
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<td>Low pressure range</td>
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<td></td>
<td></td>
<td>Chemicals industry</td>
<td></td>
<td>Chemicals industry</td>
<td></td>
</tr>
</tbody>
</table>

**Applications**
- Danger zones, which requires electro-conductivity acc. to TRBS
- Suction & conveyance of aggressive media, explosive gases & fumes
- Paint mist extraction
- Paint, wood and paper industry
- Solvent extraction
- Pharmaceuticals industry
- Low pressure range
- Chemicals industry

**Temperature Range**
-40°C to +280°C
peaks to +300°C
Chemical-Resistant Hoses

Master-Clip KAPTON®

Medium & high temperature hose up to +400 °C, excellent chemical resistance

Applications
- Suction of aggressive gases at high temperatures
- Exhaust gas routeing in gauge pressure & low pressure ranges
- Vehicle & engine manufacturing
- Exhaust gas extraction for high-performance engine test-benches in the automotive industry

Order-specific production in:
DN 50 - DN 900
Colour: outer lining white, inner lining yellow/gold
Stock lengths: see internet
max. Production lengths: 15 m dep. on DN

Temperature Range
-260°C to +400°C
### Custom-Designed Clip Hoses

Custom-made designs for preventing temperature loss & for applications in all industrial sectors

<table>
<thead>
<tr>
<th>Thermo &amp; Insulating Hoses</th>
<th>Applications</th>
<th>Order-specific production in:</th>
</tr>
</thead>
</table>
| Multi-layered hose combinations with specially adapted insulated hoses | - Air-conditioning & ventilation systems  
- Heat & cold protection  
- Machine manufacturing  
- Automotive manufacturing | DN: on request  
Production lengths: up to 5 m  
Temperature Range dep. on materials applied |

<table>
<thead>
<tr>
<th>Master-Clip Scaled Hoses</th>
<th>Applications</th>
<th>Order-specific production in:</th>
</tr>
</thead>
</table>
| Double-layered hose design with scales on inner hose lining | - Loading & sieving technology  
- Welding fume extraction with greater degree of flying sparks  
- Exhaust gas extraction  
- Applications, for which abrasive particles or sparks are to be kept away from the external hose material by the internal scale-like design of the hose | DN: on request  
Production lengths: 3 m  
Temperature Range dep. on materials applied |

<table>
<thead>
<tr>
<th>Multi-Layered Master-Clip Hoses</th>
<th>Applications</th>
<th>Order-specific production in:</th>
</tr>
</thead>
</table>
| Single or multi-layered hose designs with various fabric combinations | - Air-conditioning & ventilation systems  
- Exhaust gas extraction  
- Suction of gaseous media with special requirements for internal & external hose layers  
- High temperature range  
- Chemicals industry | DN: on request  
Production lengths: 3 m  
Temperature Range dep. on materials applied |

<table>
<thead>
<tr>
<th>Master-Clip Combo</th>
<th>Applications</th>
<th>Order-specific production in:</th>
</tr>
</thead>
</table>
| Combination of different Clip materials | - Almost unlimited applications in field of air, gas & exhaust fume extraction/suction | DN: on request  
Production lengths: 3 m  
Temperature Range dep. on materials applied |
Electrically Heated Hoses

The product category „Electrically Heated Hoses“ is not applicable.

This brand was sold to Winkler AG (see https://www.winkler.eu)
Innovative Wear Protection for Pipes & Pipe-Bends

**Master-PROTECT® Pipe-bend**
- PU-lined pipe-bend
- **Applications**
  - Pneumatic conveying plants
- **Order-specific production in:**
  - DN 50 - DN 200
  - Colour of lining: beige
  - Pressure range: PN 6 - PN 10/16
  - **Temperature Range**
    - -40°C to +80°C
    - peaks to +110°C

**Master-PROTECT® Pipe**
- PU-lined pipe
- **Applications**
  - Pneumatic conveying plants
- **Order-specific production in:**
  - DN 50 - DN 200
  - Colour of lining: beige
  - Pressure range: PN 6 - PN 10/16
  - **Temperature Range**
    - -40°C to +80°C
    - peaks to +110°C

**Master-PROTECT® Assembly Set**
- Connector pipes for Master-PROTECT Pipe-Bends
- **Applications**
  - Pneumatic conveying plants
- **Order-specific production in:**
  - DN 50 - DN 200
  - Pressure range: PN 6 - PN 10/16
  - **Temperature Range**
    - -40°C to +80°C
    - peaks to +110°C
Installation & Connections:
Clamps

Connection solutions for almost any application, from standard connectors to tailor-made & customer-specific connections

**Clip-Grip Hose Clamp, screwable**

- **Applications**
  - Special clamp for Master-Clip hoses

- **Available from stock in:**
  - Clamping range from 35/44 mm to 500/520 mm
  - Strap, bridge & housing made from steel

**Clip-Grip Quick-Fix Clamp**

- **Applications**
  - Special clamp for Master-Clip hoses

- **Available from stock in:**
  - Clamping range from 40/60 mm to 900/920 mm
  - Strap, bridge & housing made from steel

**Master-Grip Hose Clamp, screwable**

- **Applications**
  - Special clamp for lighter & medium duty, right-lay spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR, Master-PVC and Master-SANTO

- **Available from stock in:**
  - Clamping range from 75/82 mm to 500/507 mm
  - Strap, bridge & housing made from stainless steel 1.4301
## Installation & Connections: Clamps

<table>
<thead>
<tr>
<th><strong>Master-Grip Quick-Fix Clamp</strong></th>
<th><strong>Applications</strong></th>
<th><strong>Available from stock in:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Special clamp for right-lay hoses</td>
<td>Special clamp for lighter and medium duty, right-lay spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR, Master-PVC and Master-SANTO</td>
<td>Clamping range from 75/82 mm to 500/507 mm Strap, bridge &amp; housing made from stainless steel 1.4301</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Car-Grip Hose Clamp, screwable</strong></th>
<th><strong>Applications</strong></th>
<th><strong>Available from stock in:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Special clamp for Carflex-Super &amp; Master-PUR STEP hoses</td>
<td>Special clamp for connecting medium &amp; heavy duty hoses to connectors on mobile &amp; stationary units</td>
<td>Clamping range from 50/70 mm to 250/270 mm Strap, bridge &amp; housing made from steel</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Hose Clamp with Worm-Gear</strong></th>
<th><strong>Applications</strong></th>
<th><strong>Available from stock in:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard clamp for universal requirements</td>
<td>Special clamp for mounting light hose types onto connector brackets on mobile &amp; stationary units</td>
<td>Clamping range from 25/40 mm to 500/520 mm Strap, bridge &amp; housing made from steel</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Hose Clamp with Bolts</strong></th>
<th><strong>Applications</strong></th>
<th><strong>Available from stock in:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>for heavier hoses</td>
<td>Special clamp for connecting medium &amp; heavy duty hoses to connectors on mobile &amp; stationary units</td>
<td>Clamping range from 32/35 mm to 500/518 mm Strap &amp; screw made from galvanised steel</td>
</tr>
</tbody>
</table>
## Installation & Connections: Clamps

### Master-Grip Double Wire Clamp, screw-fitting

- **Applications**
  - Special clamp for attaching light and medium-weight, right-winding spiral hoses/ducting such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PUR Food, Master-PVC and Master-SANTO

- **Available from stock in**
  - Clamping range from: See internet
  - Available on request in other sizes and materials
  - Strap, bridge & housing made from stainless steel 1.4301

### Quick-Fix Clamp for Cone Flanges

- **Applications**
  - Quick-fix clamps for cone flanges in acc.to DIN 3016

- **Available from stock in**
  - Clamping range: See internet

### Combiflex Clamp Connection Hinged Clamp

- **Applications**
  - Fitting for solid, liquid and gaseous media in food, pharmaceuticals and chemicals industries, for application for connectors to machines and piping
  - Materials adhere to the food-grade regulations DIN 32676, provides watertight connections, odourless/tasteless, can be steam-sterilized, good chemical resistance, high tensile strength

- **Available from stock in**
  - Clamping range: See internet
Connection solutions for almost any application, from standard connectors to tailor-made & customer-specific connections

**Combiflex PU Cone Flange**
- **Applications**
  - Screwable quick connection system for all Master-PUR L, Master-PUR H & Master-PUR HX hose types
  - Screwable and cast-on mountings
- **Available in:**
  - DN 50 - DN 250
  - Colour: black
- **Temperature Range**
  - -40°C to +90°C
  - peaks to +125°C

**Combiflex PU Cone Flange Food**
- **Applications**
  - Cast-on quick connectors for all Master-PUR Food hose types
  - Certified for direct contact with foodstuffs
- **Available in:**
  - DN 50 - DN 200
  - Colour: white
- **Temperature Range**
  - -40°C to +90°C
  - peaks to +125°C

**Combiflex PU Fixed Flange**
- **Applications**
  - PU flange for all Master-PUR L, Master-PUR H & Master-PUR HX hose types
  - Screwable and cast-on mountings
- **Available in:**
  - DN 50 - DN 300
  - Colour: black
- **Temperature Range**
  - -40°C to +90°C
  - peaks to +125°C
## Installation & Connections: Plastic Connectors

### CombiFlex PU Fixed Flange Inline/Performance

**Available in:**
- DN 50 - DN 204

**Colour:** black

**Temperature Range**
- -40°C to +90°C  
- peaks to +125°C

**Applications**
- Cast-on PU flange for all Master-PUR Inline & Master-PUR Performance hose types

**for counter-flanges acc. to**
- DIN 2632 / DIN 2633 / DIN 2673

### CombiFlex PU Fixed Flange Food

**Available in:**
- DN 50 - DN 150

**Colour:** white

**Temperature Range**
- -40°C to +90°C  
- peaks to +125°C

**Applications**
- Cast-on PU flange for all Master-PUR Food hose types
- Certified for direct contact with foodstuffs

**for counter-flanges acc. to**
- DIN 2633, Food grade Polyurethane acc. to EU 10/2011

### CombiFlex PU Swivel Flange

**Available in:**
- DN 50 - DN 300

**Colour:** black

**Temperature Range**
- -40°C to +90°C  
- peaks to +125°C

**Applications**
- PU flange for all Master-PUR L, Master-PUR H & Master-PUR HX hose types  
- Screwable and cast-on mountings

**for counter-flanges acc. to**
- DIN 2632 / DIN 2632

### CombiFlex PU Swivel Flange Inline/Performance

**Available in:**
- DN 50 - DN 204

**Colour:** black

**Temperature Range**
- -40°C to +90°C  
- peaks to +125°C

**Applications**
- Cast-on PU swivel flange for all Master-PUR Inline hose types & Master-PUR Performance hose types

**for counter-flanges acc. to**
- DIN 2632 / DIN 2633 / DIN 2673

### CombiFlex PU Swivel Flange Food

**Available in:**
- DN 50 - DN 150

**Colour:** white

**Temperature Range**
- -40°C to +90°C  
- peaks to +125°C

**Applications**
- Cast-on PU flange for all Master-PUR Food hose types.
- Certified for direct contact with foodstuffs

**for counter-flanges acc. to**
- DIN 2633, Food grade Polyurethane acc. to EU 10/2011
### Installation & Connections: Plastic Connectors

#### Combiflex PU Threaded Sockets

**Applications**
- Screwable threaded connectors for all Master-PUR L, H, HX hose types
- Screwable and cast-on mountings

**Available in:**
- DN 50 - DN 150
- Colour: black

**Temperature Range**
- -40°C to +90°C peaks to +125°C

#### Combiflex PU Threaded Sockets Food

**Applications**
- Cast-on threaded connectors for all Master-PUR Food hose types
- Certified for direct contact with foodstuffs

**Available in:**
- DN 50 - DN 150
- Colour: white

**Temperature Range**
- -40°C to +90°C peaks to +125°C

#### Streetmaster Cuff

**Applications**
- Spiral-free connector cuff for all Streetmaster hoses, for water-tight mounting
- Exclusively pre-fixed on all Streetmaster hoses

**Available in:**
- DN 200, 225, 250, 280 und 400
- Colour: black

**Temperature Range**
- -40°C to +90°C peaks to +125°C

#### Combiflex PU Screw Cuff EL

**Applications**
- Special screw cuff for Master-PUR L/H & Master-PVC L/H hoses
- Industrial vacuum cleaners
- Suction & blower units
- Conveyance units

**Available in:**
- DN 32 - DN 70
- Colour: black

**Temperature Range**
- -40°C to +90°C peaks to +125°C

#### Combiflex PU Cuff

**Applications**
- Special screw cuff for all Master-PUR L/H hose types
- Screwable or cast-on mounting

**Available in:**
- DN 32 - DN 300
- Colour: black

**Temperature Range**
- -40°C to +90°C peaks to +125°C
### Instillation & Connections: Plastic Connectors

<table>
<thead>
<tr>
<th>Product</th>
<th>Available in:</th>
<th>Temperature Range</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Combiflex PU Cuff V</strong></td>
<td>DN 32 - DN 300</td>
<td>-40°C to +90°C</td>
<td>- Special cuff for all Master-PUR L/H hose types</td>
</tr>
<tr>
<td></td>
<td>Colour: black</td>
<td>peaks to +125°C</td>
<td>- Screwable or cast-on mounting</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Applications</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Special cuff for all Master-PUR L/H hose types</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Screwable or cast-on mounting</td>
</tr>
<tr>
<td><strong>Combiflex PU Hose Connector</strong></td>
<td>DN 25 - DN 100</td>
<td>-40°C to +90°C</td>
<td>- Screwable hose connector for the hose types Master-PUR L / H / HX and Master-PVC L / H</td>
</tr>
<tr>
<td></td>
<td>Colour: black</td>
<td>peaks to +125°C</td>
<td><strong>Applications</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Screwable hose connector for the hose types Master-PUR L / H / HX and Master-PVC L / H</td>
</tr>
<tr>
<td><strong>Cuff for Master-PVC-Flex</strong></td>
<td>DN 25 - DN 102</td>
<td>0°C to +70°C</td>
<td>- Special cuff for Master-PVC Flex</td>
</tr>
<tr>
<td></td>
<td>Colour: black</td>
<td></td>
<td><strong>Applications</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Special cuff for Master-PVC Flex</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Industrial vacuum cleaners</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Suction &amp; blower units</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Conveyance units</td>
</tr>
<tr>
<td><strong>Cuff for Master-VAC</strong></td>
<td>DN 32 - DN 50</td>
<td>0°C to +70°C</td>
<td>- Special cuff for Master-VAC hoses, electro-conductive</td>
</tr>
<tr>
<td></td>
<td>Colour: black</td>
<td></td>
<td><strong>Applications</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Industrial vacuum cleaners</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Suction &amp; blower units</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Conveyance units</td>
</tr>
<tr>
<td><strong>PU Hose Sleeve</strong></td>
<td>DN 38 - DN 204</td>
<td>-40°C to +90°C</td>
<td>- Reusable special sleeve for connecting spiral hoses from Masterflex SE hose range</td>
</tr>
<tr>
<td></td>
<td>Colour: black</td>
<td>peaks to +125°C</td>
<td><strong>Applications</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Reusable special sleeve for connecting spiral hoses from Masterflex SE hose range</td>
</tr>
</tbody>
</table>

*Note: PU End Cuff for Master-PUR Hoses on pipe connections acc. to DIN 2448 / DIN 2458.*

*Note: Screwable PU hose connector for Master-PUR L / H hoses.*

*Note: Special cuff for Master-PVC Flex hoses.*

*Note: Special cuff for Master-PVC Flex hoses, electro-conductive.*

*Note: Special sleeve for use with clamp collars.*
## Heat Shrink Cuff

**For easy connection & sealing of hoses**

<table>
<thead>
<tr>
<th>Applications</th>
<th>Available from stock in:</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Tight connection of spiral hoses or connector brackets with no technical effort required</td>
<td>Shrink range: 54/18 to 375/265</td>
</tr>
</tbody>
</table>

**Colour:** black  

**Temperature Range**  
-55°C to +110°C
## Installation & Connections:
### Metal Connectors

Connection solutions for almost any application, from standard connectors to tailor-made & customer-specific connections

### Cone Flange with Metal Socket

**Applications**
For quick connections of hoses to:
- Combiflex PU Cone Flanges
- Steel pipes with cone flanges
- Pipe-bends with cone flanges
- Reducers with cone flanges

**Available in:**
DN 50 - DN 250

![Image](image1.png)

### Cast-On Cone Flange

**Applications**
For quick connections of Combiflex PU Cone Flanges to:
- Steel pipes
- Pipe-bends
- Reducers
- Metal socket
- Machines

**Available in:**
DN 50 - DN 250

![Image](image2.png)

### Quick-Fix Clamp for Cone Flanges

**Applications**
For quick connections of hoses to:
- Combiflex PU Cone Flanges
- Steel pipes with cone flanges
- Pipe-bends with cone flanges
- Reducers with cone flanges
- Metal sockets with cone flanges

**Available in:**
DN 50 - DN 250

![Image](image3.png)
# Installation & Connections: Metal Connectors

## Combiflex Metal Threaded Sockets

- **Applications**
  - For application for connectors to machines and piping
  - For mounting of valves for solid, liquid & gaseous media
  - Cast-on metal screw connectors with external thread acc. to DIN ISO 228 for all Master-PUR hoses

- **Available in:**
  - DN 25 - DN 150
  - Colour: white / stainless steel
  - Temperature Range
    - -40°C to +90°C
    - peaks to +125°C

## Combiflex Clamp Connection Clamps

- **Applications**
  - Fitting for solid, liquid & gaseous media in:
    - Food industry
    - Pharmaceuticals industry
    - Chemicals industry
  - Cast-on clamp connector acc. to DIN 32676 for all Master-PUR Food hoses

- **Available in:**
  - DN 32 - DN 150
  - Temperature Range
    - -40°C to +90°C
    - peaks to +125°C

## Combiflex Clamp Connection Hinged Clamp

- **Applications**
  - Fitting for solid, liquid & gaseous media in:
    - Food industry
    - Pharmaceuticals industry
    - Chemicals industry
  - For application for connectors to machines and piping

- **Available in:**
  - DS 32 - DS 150
  - Temperature Range
    - -25°C to +120°C
    - peaks to +150°C

## Combiflex Clamp Connection Ring-Seal

- **Applications**
  - For application for connectors to machines and piping
  - Ring-seal for solid, liquid & gaseous media in:
    - Food industry
    - Pharmaceuticals industry
    - Chemicals industry
  - Ring seals for hose brackets with clamp connector acc. to DIN 32676

- **Available in:**
  - DS 32 - DS 150
  - Colour: white
  - Temperature Range
    - -25°C to +120°C
    - peaks to +150°C

## Combiflex VA Threaded Socket Food

- **Applications**
  - For application for connectors to machines and piping
  - For mounting of fittings for solid, liquid & gaseous media
  - Cast-on VA threaded sockets with outer thread acc. to DIN ISO 228 for all Master-PUR Food hoses

- **Available in:**
  - DN 25 - DN 150
  - Colour: white / stainless steel
  - Temperature Range
    - -40°C to +90°C
    - peaks to +125°C
<table>
<thead>
<tr>
<th><strong>Combiflex Dairy Fitting</strong></th>
<th><strong>Applications</strong></th>
<th><strong>Available in:</strong></th>
<th><strong>Temperature Range</strong></th>
</tr>
</thead>
</table>
| **Threaded Hose Sockets** | - Fitting for solid, liquid & gaseous media in:  
- Food industry  
- Pharmaceuticals industry  
- Chemicals industry  
- Cast-on pipe screw connection acc. to DIN 11851 for Master-PUR Food hoses  
- For application for connectors to machines and piping | DS 32 - DS 150 | -40°C to +125°C |
| **Cone Sockets**          | - Cast-on pipe screw connection acc. to DIN 11851 for Master-PUR Food hoses  
- Fitting for solid, liquid & gaseous media in:  
- Food industry  
- Pharmaceuticals industry  
- Chemicals industry | DS 32 - DS 150 | -40°C to +125°C |
| **Ring-Seal**             | - For application for connectors to machines and piping  
- Ring seals for screw connectors acc. to DIN 11851  
- Ring-seals for solid, liquid & gaseous media in:  
- Food industry  
- Pharmaceuticals industry  
- Chemicals industry | DS 32 - DS 150 | -25°C to +150°C |
| **Clamp Collars**         | - Versatile applications for spiral hoses from the Masterflex SE hose range when using PU hose sleeves | DN 38 - DN 200 | |
| **PU Hose Sleeve**        | - Reusable special sleeve for connecting spiral hoses from Masterflex SE hose range | DN 38 - DN 204 | -40°C to +125°C |
## Installation & Connections: Metal Connectors

### Hose Connector

**Applications**
- Extension, coupling & connection of light to medium weight hoses

**Available in:**
DN 50 - DN 900

### Hose Reducer, symmetrical

**Applications**
- Extension, coupling and connection of light to medium weight hoses

**Available in:**
DN 80/50 - DN 300/250

Sheet steel connectors for lightweight & medium-weight hoses

Reducer for lightweight & medium-weight hoses

Right of technical changes and errors reserved