



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 specializes 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

1 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 and all from one supplier.

2 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.

3

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.*

4

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 and expert – that makes the difference!

5

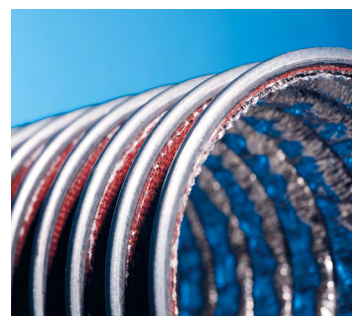
Quality, which speaks for itself

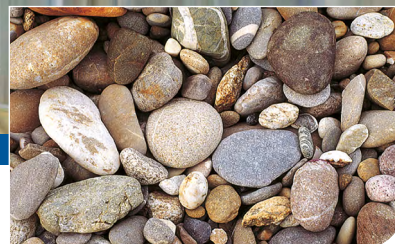
Visionary ideas drive us forwards and are the source of our own product developments and innovations. Our creations are produced with renowned German Engineering expertise. Our Sales, Engineering and Production Teams work seamlessly to provide you with the best results. This guarantees international 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 and Services from Masterflex – we create values ...and connect them!

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Abrasion-Proof Suction and Transport Hoses made from PU

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

Flamex B-F se



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

Applications

- Predictive 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
Color: transparent
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Flamex B-F se for Machining centers



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

Applications

- Flame retardant transport hose for abrasive solids
- Woodworking machines
- Chip suction at CNC controlled machining processing machines
- Extraction systems with increased extraction capacities
- Predictive hose

Available in:

DN 200 - DN 400
Color: transparent
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Flamex B se



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

Applications

- Predictive 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
Color: transparent
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Abrasion-Proof Suction and Transport Hoses made from PU

Master-PUR LF Trivolution



PU Suction and Transport Hose, very lightweight, permanent antistatic, surface resistance $< 10^9$ Ohm, microbe-resistant, hardly inflammable acc. to DIN 4102 B1

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
Color: transparent
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Master-PUR L Trivolution



PU Suction and Transport Hose, highly flexible, permanent antistatic, surface resistance $< 10^9$ Ohm, microbe-resistant, hardly inflammable acc. to DIN 4102 B1

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
Color: transparent
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Master-PUR H Trivolution



PU Suction and Transport Hose, flexible, permanent antistatic, surface resistance $< 10^9$ Ohm, microbe-resistant, hardly inflammable acc. to DIN 4102 B1

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

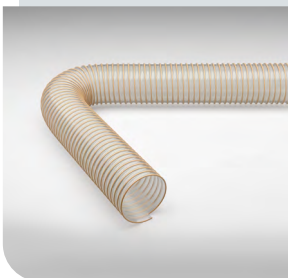
Available in:

DN 13 - DN 500
Color: transparent
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Master-PUR H HT 125



Suction hose & Transport Hose, medium weight, constant temperature resistant up to 125 °C, good flexibility, permanently antistatic

Applications

- Plant & Mechanical Engineering

Available in:

DN 25 - DN 200
Color: transparent
Stock lengths: see internet
max. production length: 20 m dep. DN

Temperature Range

-30 °C to +120 °C
peaks to +150 °C

Master-PUR HÜ Trivolution



PU Suction and Transport Hose, flexible, permanent antistatic, surface resistance $< 10^9$ Ohm, microbe-resistant, hardly inflammable acc. to DIN 4102 B1

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:

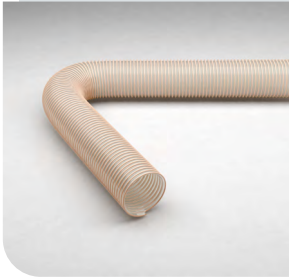
DN 102 - DN 152
Color: transparent
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Abrasion-Proof Suction and Transport Hoses made from PU

Master-PUR HÜ S Trivolution



PU Suction and Transport Hose, flexible, permanent antistatic, surface resistance $< 10^9$ Ohm, microbe-resistant, hardly inflammable acc. to DIN 4102 B1

Applications

- Predictive 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
Color: transparent
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Master-PUR HX Trivolution



PU Suction and Transport Hose, abrasion/vacuum-resistant, reinforced, permanent antistatic, $< 10^9$ Ohm, microbe-resistant, hardly inflammable

Applications

- Suction and transport hose for silo vehicles, loading stations, flat-roof gravelling, 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
Color: transparent
Stock lengths: see internet
max. production length: 20 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Master-PUR HX S



PU Suction and Transport Hose, extremely abrasion/vacuum-resistant, smooth inner lining, permanent antistatic, $< 10^9$ Ohm, microbe-resistant

Applications

- Flat-roof gravelling, 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 51 - DN 152
Color: transparent
Stock lengths: see internet
max. production length: 20 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Master-PUR Performance



PU Suction and Transport Hose, extremely abrasion/vacuum-resistant, totally smooth inner lining, permanent antistatic, $< 10^9$ 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 gravelling, etc.

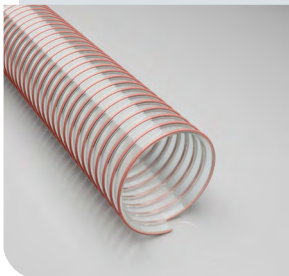
Available in:

DN 38 - DN 202
Color: transparent
Stock lengths: see internet
max. production length: 10 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Cargoflex



PU Suction and 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 and transport hose for the most extreme fields of application

Available in:

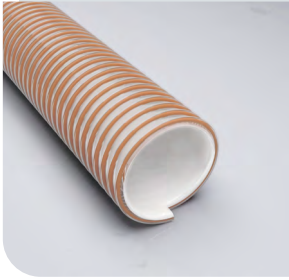
DN 100 - DN 254
Color: transparent
Stock lengths: see internet
max. production length: 20 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Abrasion-Proof Suction and Transport Hoses made from PU

Master-PUR Inline



PU Suction and 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 gravelling, etc.
- Other conveyer and loading plants

Available in:

DN 38 - DN 250
Color: transparent
Stock lengths: see internet
max. production length: 10 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Polderflex PUR



PU Suction and Transport Hose, extremely abrasion/vacuum-resistant, smooth inside and 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
Color: transparent
Stock lengths: see internet
max. production length: 20 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Master-PUR Flat Food A



Spiral free PU transport hose, lightweight, permanent antistatic, very good flexibility, food safe EU10/2011 and FDA

Applications

- use as compensator
- spiral-free conveying hose for abrasive solids
- solids
- solids transport at screening machines
- discharge hose at loading stations
- food industry
- pharmaceutical industry
- chemistry

Available in:

DN 70 - DN 305
Color: transparent
Stock lengths: see internet
max. production length: 5 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Master-PUR STEP



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
Color: hose wall transparent with blue spiral
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Miniflex PU



PU Protection and Suction Hose with plastic-coated wire helix, microbe-resistant, highly flexible

Applications

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

Available in:

DN 7 - DN 51
Color: blue, RAL5015
Stock lengths: see internet
max. production length: 50 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Abrasion-Proof Suction and Transport Hoses made from PU

Master-PUR L Bio Based



PU suction hose/transport hose, bio-based polyurethane ether lightweight, extremely flexible, microbe & hydrolysis-resistant

Applications

- Suction/extraction of paper and textile fibres
- Granulate transport hose
- Transport of fine-grained particles, such as dust and powder
- Suction & transport hose for abrasive solids, for which microbe and hydrolysis resistance is required
- Protective hose against mechanical wear
- Oil mist extraction/suction

Available in:

DN 40 - DN 500
Color: transparent
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Master-PUR M Trainflex®



PU suction hose/transport hose, medium weight, good flexibility, flame retardant according to DIN EN 45545-2

Applications

- For abrasive solids, gaseous and liquid media
- Tested for rail vehicles according to DIN 5510 and DIN EN 45545-2, train, railway, tramway, boat, ship, yacht: ventilation, heating, roof drainage, brake sand conveyance, sanitary installation
- Granulate transport hose

Available in:

DN 20 - DN 140
Color: black
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Master-PUR H Trainflex®



PU suction hose/transport hose, medium weight, good flexibility, flame retardant according to DIN EN 45545-2

Applications

- For abrasive solids, as well as gaseous and liquid media and liquid media
- Tested for rail vehicles according to DIN 5510 and DIN EN 45545-2, train, railway, tramway, boat, ship, yacht: ventilation, heating, roof drainage, brake sand conveyance, sanitary installation
- Granulate transport hose

Available in:

DN 20 - DN 140
Color: black
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

2



Suction & Transport Hoses
made from PVC & EVA

Suction and 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

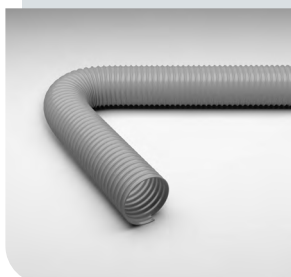
Available in:

DN 20 - DN 400
Color: grey
Stock lengths: see internet
max. production length:
25 m dep. DN

Temperature Range

-20 °C to +70 °C
peaks to +80 °C

Master PVC L



PVC Suction and
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

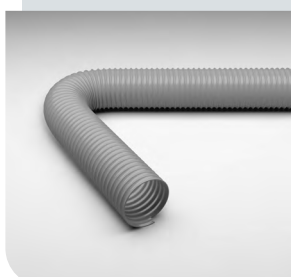
Available in:

DN 38 - DN 500
Color: grey
Stock lengths: see internet
max. production length:
25 m dep. DN

Temperature Range

-20 °C to +70 °C
peaks to +80 °C

Master-PVC HF



PVC Film Hose,
medium duty,
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

Available in:

DN 20 - DN 500
Color: grey
Stock lengths: see internet
max. production length:
25 m dep. DN

Temperature Range

-20 °C to +70 °C
peaks to +80 °C

Suction & Transport Hoses made from PVC & EVA

Master-PVC H



PVC Suction and Transport Hose, medium duty, 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 on request in:

DN 32 - DN 500

Color: grey

Stock lengths: see internet
max. production length:
25 m dep. DN

Temperature Range

-20 °C to +70 °C

peaks to +80 °C

Master-PVC Flex



PVC Suction and Transport Hose, light duty, highly flexible, reinforced

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, boat and caravan manufacturing, machine manufacturing, construction drying, textile industry, vacuum cleaners, welding fume extraction

Available in:

DN 25 - DN 102

Color: black

Stock lengths: see internet
max. production length:
15 m dep. DN

Temperature Range

0 °C to +70 °C

peaks to +85 °C

Master-VAC



PE-EVA Suction and Transport Hose, light duty, crush-resistant

TOP TIP:
Also available as
electroconductive
EL version

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

Available in:

DN 28 - DN 50

Color: black

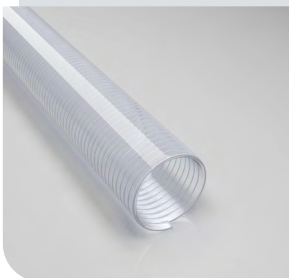
Stock lengths: see internet
max. production length:
30 m dep. DN

Temperature Range

-40 °C to +60 °C

peaks to +70 °C

Polderflex-PVC



PVC Suction and Transport Hose, pressure/vacuum-proof, cadmium-free, flexible

Applications

- Suction and transport hose for abrasive solids, liquids and gases
- Sewer cleaning
- Vacuum pumps
- Agriculture
- Construction industry
- Groundwater offtake

Available in:

DN 12 - DN 152

Color: transparent

Stock lengths: see internet
max. production length:
50 m dep. DN

Temperature Range

-20 °C to +70 °C

peaks to +80 °C



Microbe & Hydrolysis Resistant Hoses

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

Master-PUR L Trivolution



PU Suction and Transport
Hose, very lightweight,
permanent antistatic,
surface resistance < 10⁹
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
- Protective hose against mechanical wear
- Oil mist extraction/suction
- Hardly inflammable acc. to DIN 4102 B1

Available in:

DN 25 - DN 500
Color: transparent
Stock lengths: see internet
max. production length:
25 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Master-PUR STEP MHR



PU Film Hose,
crush-resistant,
microbe and hydrolysis
resistant,
extremely flexible

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
Color: Hose wall transparent
with black spiral
Stock lengths: see internet
max. production length:
25 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Master-PUR L MHR



PU Suction and Transport
Hose, lightweight, microbe
and hydrolysis-resistant

Applications

- Suction/extraction of paper and textile fibres
- Suction & transport hose for abrasive solids, for which microbe and hydrolysis resistance is required
- Transport of fine-grained particles, such as dust and powder
- Protective hose against mechanical wear
- Oil mist extraction/suction

Available on request in:

DN 25 - DN 500
Color: transparent
Stock lengths: see internet
max. production length:
25 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Microbe & Hydrolysis Resistant Hoses

Master-PUR H MHR



PU Suction and Transport Hose medium duty, flexible, microbe and hydrolysis resistant

Applications

- 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

Available on request in:

DN 16 - DN 500
Color: transparent
Stock lengths: see internet
max. production length: 25 m dep. 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

Applications

- 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

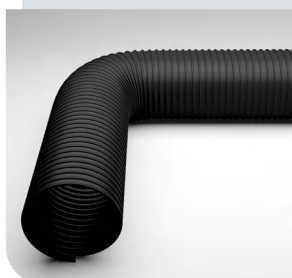
Available on request in:

DN 140 - DN 254
Color: transparent, partial colouring
Stock lengths: see internet
max. production length: 20 m dep. 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 and microbe-resistant

Applications

- Municipal and waste disposal vehicles
- Suction dredger hose
- Suction hose for larger sweepers
- Suction & transport hose for abrasive solids, which require microbe resistance

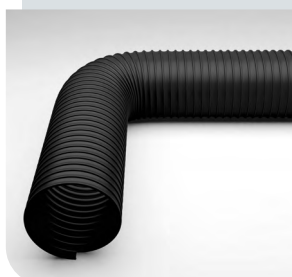
Available in:

DN 225, 250, 280
Color: black
Stock lengths: see internet
max. production length: 20 m dep. 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 and microbe-resistant

Applications

- Municipal and waste disposal vehicles
- Suction dredger hose
- Suction hose for smaller sweepers
- Suction and transport hose for abrasive solids, which require microbe resistance

Available in:

DN 200
Color: black oder transparent
Stock lengths: see internet
max. production length: 20 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Streetmaster GLG



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

Applications

- Transport hose for abrasive solids, which require microbe resistance
- Slope cutters
- Leaf vacuums/blowers

Available in:

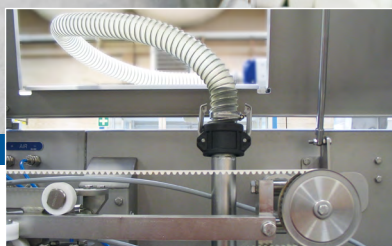
DN 400
Color: black
Stock lengths: see internet
max. production length: 20 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Food & Pharmaceutical Hoses

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



Master-PUR LF Food A



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

Applications

- Suction and transport hose for the
 - Food industry
 - Pharmaceuticals industry
 - Chemicals industry

Available in:

DN 40 - DN 400
Color: transparent
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Master-PUR L Food



PU Suction and Transport Hose, lightweight, highly flexible, Food-grade quality (FDA/ EU 10/2011)

Applications

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

Available in:

DN 32 - DN 203
Color: transparent
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Master-PUR L Food A



PU Suction and Transport Hose, lightweight, highly flexible, food-grade quality acc. to EU 10/2011 and FDA, permanent antistatic, surface resistance < 10⁹ Ohm

Applications

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

Available in:

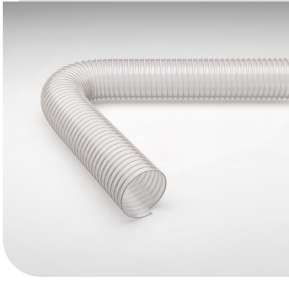
DN 32 - DN 203
Color: transparent
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Food & Pharmaceutical Hoses

Master-PUR H Food



PU Suction and Transport Hose, medium duty, very flexible, Food-grade quality (FDA/ EU 10/2011)

Applications

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

Available in:

DN 20 - DN 203
Color: transparent
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Master-PUR H Food A



PU Suction and Transport Hose, medium duty, very flexible, Food-grade quality (FDA/ EU 10/2011), permanent antistatic, surface resistance < 10⁹ Ohm

Applications

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

Available in:

DN 20 - DN 203
Color: transparent
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Master-PUR HX Food



PU Suction and Transport Hose, heavy duty, flexible, Food-grade quality (FDA/ EU 10/2011)

Applications

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

Available in:

DN 32 - DN 152
Color: transparent
Stock lengths: see internet
max. production length: 20 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Master-PUR HX Food A



PU Suction and Transport Hose, heavy duty, flexible, Food-grade quality (FDA/ EU 10/2011), permanent antistatic, surface resistance < 10⁹ Ohm

Applications

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

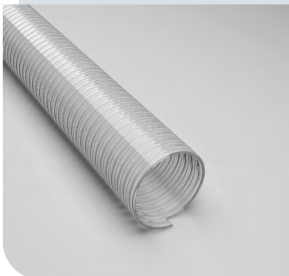
Available in:

DN 50 - DN 152
Color: transparent
Stock lengths: see internet
max. production length: 20 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Polderflex PUR Food



PU Suction and Transport Hose, extremely pressure/ vacuum-proof, smooth inner and outer linings, Food-grade quality (FDA/ EU 10/2011)

Applications

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

Available in:

DN 32 - DN 152
Color: transparent
Stock lengths: see internet
max. production length: 20 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Food and Pharmaceutical Hoses

Polderflex PUR Food A



PU Suction and Transport Hose, extremely pressure/vacuum-proof, smooth inner and outer linings, permanent antistatic, surface resistance < 10⁹ Ohm, Food-grade quality (FDA/ EU 10/2011)

Applications

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

Available in:

DN 32 - DN 152
Color: transparent
Stock lengths: see internet
max. production length: 20 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Master-PUR Flat Food A



Spiral free PU transport hose, lightweight, permanent antistatic, very good flexibility, food safe EU10/2011 and FDA

Applications

- use as compensator
- spiral-free conveying hose for abrasive solids
- solids
- solids transport at screening machines
- discharge hose at loading stations
- food industry
- pharmaceutical industry
- chemistry

Available in:

DN 70 - DN 305
Color: transparent
Stock lengths: see internet
max. production length: 5 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Master-SIL SD Food



Silicone Pressure Hose, Food-grade quality (FDA)

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
Color: transparent
Stock lengths: see internet
max. production length: 20 m dep. DN

Temperature Range

-60 °C to +200 °C

Master H2O



TPE foil hose for applications with cold and warm drinking water

Applications

- drinking water applications

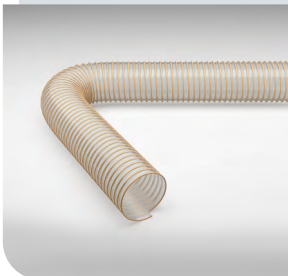
Available in:

DN 40 - DN 70
Color: transparent
Stock lengths: see internet
max. production length: 25 m

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Master-PUR H FishTec



PU suction hose / transport hose, medium weight, good flexibility, microbe resistant and hydrolysis resistant, certified according to NS 9416:2013

Applications

- Fish Industry
- Municipal technology
- Sweeping vehicles, sweeping machines
- Vacuum technology
- Industrial cleaning
- Cleaning apparatus and cleaning apparatus

Available in:

DN 140 - DN 508
Color: transparent
Stock lengths: see internet
max. production length: 25 m

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

5



Permanent antistatic and electroconductive Hoses

For preventing danger of ignition through electrostatic charges

Master-PUR L Trivolution®



PU Suction and 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
- Protective hose against mechanical wear
- Oil mist extraction/suction
- Hardly inflammable acc. to DIN 4102 B1

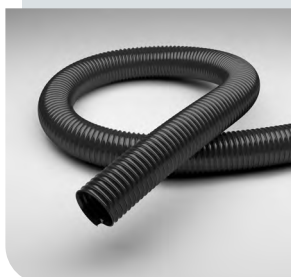
Available in:

DN 25 - DN 500
Color: transparent
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125°C

Master-PUR L EL



PU Suction and Transport Hose, light duty, highly flexible, electroconductive, surface resistance $< 10^3$ Ohm

Applications

- Transport of fine-grained particles, such as 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

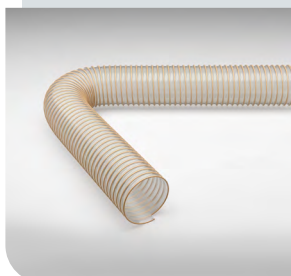
Available in:

DN 25 - DN 500
Color: black
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125°C

Master-PUR H Trivolution®



PU Suction and Transport Hose, flexible, permanent antistatic, surface resistance $< 10^9$ Ohm, microbe-resistant, hardly inflammable

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
Color: transparent
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Permanent antistatic and electroconductive Hoses

Master-PUR H EL



PU Suction and Transport Hose, medium duty, very flexible, electroconductive, surface resistance $< 10^3 \text{ Ohm}$

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

Color: black

Stock lengths: see internet
max. production length:
25 m dep. DN

Temperature Range

-40 °C to +90 °C

peaks to +125 °C

Master-PUR HX Trivolution®



PU Suction and Transport Hose, abrasion/vacuum-resistant, reinforced, permanent antistatic, $< 10^9 \text{ Ohm}$, microbe-resistant, hardly inflammable

Applications

- Suction and transport hose for silo vehicles, loading stations, flat-roof gravelling, 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

Color: transparent

Stock lengths: see internet
max. production length:
20 m dep. DN

Temperature Range

-40 °C to +90 °C

peaks to +125 °C

Master-PUR HX EL



PU Suction and Transport Hose, flexible, highly abrasion/vacuum-proof, electroconductive, surface resistance $< 10^3 \text{ Ohm}$

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

Color: black

Stock lengths: see internet
max. production length:
20 m dep. DN

Temperature Range

-40 °C to +90 °C

peaks to +125 °C

Master-PUR Performance®



PU Suction and Transport Hose, extremely abrasion/vacuum-resistant, totally smooth inner lining, permanent antistatic, $< 10^9 \text{ Ohm}$, 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 gravelling, etc.

Available in:

DN 38 - DN 202

Color: transparent

Stock lengths: see internet
max. production length:
10 m dep. DN

Temperature Range

-40 °C to +90 °C

peaks to +125 °C

Master-PE LF EL



PE Film Hose, super lightweight, highly flexible, electroconductive, surface resistance $\leq 10^4 \text{ Ohm}$

Applications

- Suction/extraction of chemical fumes and gases in ventilation and air conditioning

Available in:

DN 40 - DN 600

Color: black

Stock lengths: see internet
max. production length:
25 m dep. DN

Temperature Range

-40 °C to +60 °C

peaks to +80 °C

Permanent antistatic and electroconductive Hose

Master-PE L EL



PE Suction and Transport Hose, lightweight, highly flexible, electroconductive, surface resistance $\leq 10^4$ Ohm

Applications

- 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

Available in:

DN 25 - DN 300
Color: black
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-35 °C to +80 °C
peaks to +120 °C

Master-PVC LF EL



PVC Film Hose, lightweight, highly flexible, electroconductive, surface resistance $< 10^6$ Ohm

Applications

- Chemicals industry
- Apparatus construction
- Suction and transport hose for solid, liquid and gaseous media
- Danger zones, which require electrically conductive hoses
- Transport of fine-grained particles, such as dust and powder

Available in:

DN 50 - DN 300
Color: black
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-20 °C to +70 °C
peaks to +80 °C

Master-Clip VINYL EL



Suction and Blower Hose made from PVC-coated polyester fabric, antistatic, surface resistance $< 10^6$ Ohm

Applications

- Danger zones, which requires electro-conductivity acc. to TRBS
- Suction and conveyance of aggressive media, explosive gases and fumes
- Air supply & extraction in explosion-protected areas
- For greater mechanical demands
- Low pressure range
- Extractor units

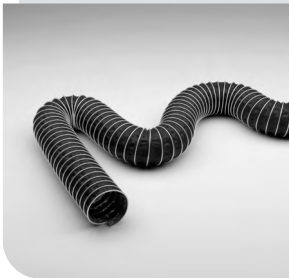
Available in:

DN 50 - DN 900
Color: black
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-20 °C to +70 °C
peaks to +80 °C

Master-Clip VITON® EL



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

Applications

- 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

Available in:

DN 38 - DN 900
Color: black
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-25 °C to +210 °C
peaks to +240 °C

Master-Clip PTFE EL



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

Applications

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

Available in:

DN 55 - DN 900
Color: black
Stock lengths: see internet
max. production length: 10 m dep. DN

Temperature Range

-150 °C to +280 °C
peaks to +300 °C

Permanent antistatic and electroconductive Hoses

Master-Clip PTFE H EL



Suction and Blower Hose for corrosive media up to +175 °C, electroconductive, surface resistance < 10⁶ Ohm

Applications

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

Available in:

DN 38 - DN 900
Color: black
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-40 °C to +175 °C
peaks to +190 °C

Master-Clip PTFE S EL



Suction and Blower Hose for corrosive media up to +250 °C, electroconductive, surface resistance < 10⁶ Ohm

Applications

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

Available in:

DN 50 - DN 900
Color: black
Stock lengths: see internet
max. production length: 10 m dep. DN

Temperature Range

-70 °C to +250 °C
peaks to +270 °C

Master-VAC EL



PE-EVA Suction and Transport Hose, lightweight, crush-resistant, electroconductive, surface resistance < 10⁶ Ohm

Applications

- Suction hose for fine-grained particles, e.g. dust, powders, fibres
- Protective hose
- Swimming pool cleaning
- Chemicals industry, ventilation
- Conveyance and suction of solid, liquid and gaseous media
- Dust removal units
- Household and industrial vacuum cleaners
- Handheld machines

Available in:

DN 25 - DN 50
Color: black
Stock lengths: see internet
max. production length: 20 m dep. DN

Temperature Range

-40 °C to +60 °C
peaks to +70 °C

6

Air-Conditioning, Ventilation & Welding Fumes Hoses

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



Master-Clip VINYL



Suction and Blower
Hose made from
PVC foil/film

Applications

- Air-conditioning and ventilation systems
- Air supply and extraction
- Low pressure range
- Extractor units

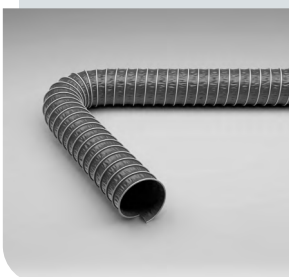
Available in:

DN 40 - DN 900
Color: grey
Stock lengths: see internet
max. production length:
25 m dep. DN

Temperature Range

-20 °C to +70 °C
peaks to +80 °C

Master-Clip VINYL B



Suction and Blower
Hose made from
PVC-coated
Polyester fabric,
hardly inflammable

Applications

- Air-conditioning and ventilation systems
- Air supply and extraction
- Tent ventilation
- Solder fume extraction
- Low pressure range
- Extractor units

Available in:

DN 40 - DN 900
Color: grey
Stock lengths: see internet
max. production length:
25 m dep. DN

Temperature Range

-20 °C to +70 °C
peaks to +80 °C

Master-Clip PE



Suction and Blower
Hose made from
PE-coated PE fabric,
environmentally friendly

Applications

- Air-conditioning and ventilation systems
- Air supply and extraction
- Vacuum devices for asbestos removal
- Low pressure range
- Extractor units

Available in:

DN 40 - DN 900
Color: white
Stock lengths: see internet
max. production length:
25 m dep. DN

Temperature Range

-40 °C to +85 °C
peaks to +95 °C

Air-Conditioning, Ventilation & Welding Fumes Hoses

Master-Clip PUR



Suction and Blower
Hose made from
PU film/foil, extremely
abrasion-proof

Applications

- Suction/extraction of abrasive solids
- Air-conditioning and ventilation systems
- Low pressure range

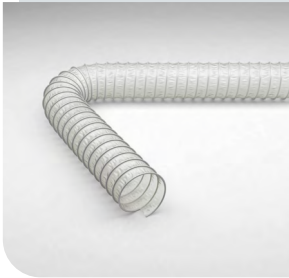
Available in:

DN 40 - DN 900
Color: transparent
Stock lengths: see internet
max. production length:
15 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Master-Clip PUR S



Suction and Blower
Hose made from
PU film/foil, extremely
abrasion-proof,
double-layered

Applications

- Suction/extraction of abrasive solids
- Filling plants
- Low pressure range

Available in:

DN 50 - DN 900
Color: transparent
Stock lengths: see internet
max. production length:
15 m dep. DN

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Master-Clip SPARK



Special hose for welding
fumes extraction, made
from PVC-coated glass
fabric

Applications

- Welding fume extraction
- For greater safety requirements
- Air-conditioning and ventilation systems
- Air supply and extraction
- Tent heating
- Solder fume extraction
- Low pressure range
- Extractor units

Available in:

DN 40 - DN 900
Color: dark grey
Stock lengths: see internet
max. production length:
15 m dep. DN

Temperature Range

-20 °C to +90 °C
peaks to +110 °C

Master-Clip SPARK XL



Special hose for
welding fume extraction
with increased risk of
flying sparks

Applications

- For greater safety requirements
- Grinding dust extraction with high degree of flying sparks
- Welding fume extraction with greater degree of flying sparks
- Suction/extraction of hot and abrasive sanding dust

Available in:

DN 50 - DN 900
Color: black
Stock lengths: see internet
max. production length:
15 m dep. DN

Temperature Range

-40 °C to +200 °C
peaks to +280 °C

Master-VENT 2



Suction and Blower
Hose made from
co-polymer coated
Polyester fabric

Applications

- Steam extraction
- Air-conditioning and ventilation systems
- Extractor units, which require normal inflammable hoses
- Extractor fans and extractors

Available in:

DN 51 - DN 610
Color: grey
Stock lengths: see internet
max. production length:
10 m dep. DN

Temperature Range

-30 °C to +140 °C



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 and diesel engine exhaust fumes
- All conventional exhaust systems, such as:
 - Exhaust Hose Reel
 - Suction Rail System
 - Upper/Lower Floor Systems
 - Stationary Systems

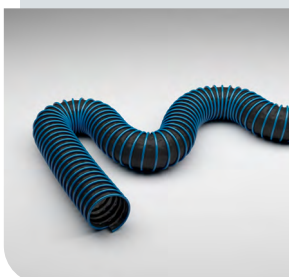
Available in:

DN 25 - DN 200
Color: black
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

Exhaust gas temperatures to +200 °C with proper use of exhaust gas funnels and sufficient fresh 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 and diesel engine exhaust fumes

Available in:

DN 63 - DN 200
Wall black, Profil blue
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

Exhaust gas temperatures to +200 °C with proper use of exhaust gas funnels and sufficient fresh 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 and construction vehicles
- Suction/extraction of engine exhaust fumes up to max. +300 °C

Available in:

DN 63 - DN 200
Color: Inside silver-grey, Wall green-grey, Profil red
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

Exhaust gas temperatures to +300 °C with proper use of exhaust gas funnels and sufficient fresh air supply (approx. 50 %)

Exhaust Gas Hoses

Master-Clip HT 300



Medium and high temperature hose up to +300 °C, silicone-free, highly flexible

+ silicone-free
+ highly flexible
+ super lightweight

Applications

- Machine manufacturing
- Automotive manufacturing
- Low pressure range
- Extractor units
- Exhaust extraction (engine manufacturing)
- Hot air
- Smoke extractors
- Defence systems
- Aircraft manufacturing

Available in:

DN 50 - DN 900

Color: grey

Stock lengths: see internet
max. production length:
15 m dep. DN

Temperature Range

-20 °C to +300 °C
peaks to +350 °C

Master-Clip CAR



Medium and 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

Available in:

DN 38 - DN 900

Color: silver-grey/green-grey

Stock lengths: see internet
max. production length:
20 m dep. DN

Temperature Range

-60 °C to +300 °C
peaks to +350 °C

Master-Clip ISO-CAR



Medium and high temperature hose up to +300 °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

Available in:

DN 38 - DN 900

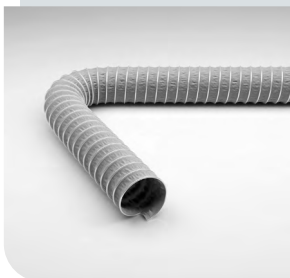
Color: silver-grey/green-grey

Stock lengths: see internet
max. production length:
20 m dep. DN

Temperature Range

-60 °C to +300 °C
peaks to +350 °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

Available in:

DN 50 - DN 900

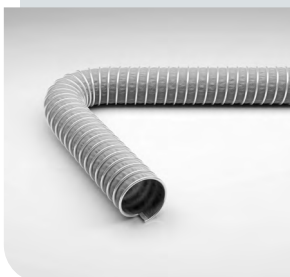
Color: silver-grey

Stock lengths: see internet
max. production length:
15 m dep. DN

Temperature Range

-20 °C to +450 °C
peaks to +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 and aircraft industry
- Shipbuilding industry
- Heat protection
- Smoke extraction
- Mining and steel industry
- Machine manufacturing

Available in:

DN 50 - DN 900

Color: silver-grey

Stock lengths: see internet
max. production length:
15 m dep. DN

Temperature Range

-20 °C to +650 °C
peaks to +750 °C

Exhaust Gas Hoses

Master-Clip HT 1100



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

Applications

- Oven manufacturing and heat protection
- Automotive, aircraft & shipbuilding industries
- Defence systems
- Mining and 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

Available in:

DN 75 - DN 900

Color: silver-grey

Stock lengths: see internet
max. production length:
15 m dep. DN

Temperature Range

-20 °C to +1100 °C

Temperature-Resistant
Hoses up to +1.100 °C

Suction and transport hoses for media temperatures up to +1.100 °C



Master-Clip NEOPREN



Medium and high
temperature hose
up to +125 °C

Applications

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

Available in:

DN 38 - DN 900
Color: black
Stock lengths: see internet
max. production length:
25 m dep. DN

Temperature Range

-35 °C to +125 °C
peaks to +150 °C

Master-SANTO SL



TPV Suction and
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
Color: fabric black,
spiral helix-grey
Stock lengths: see internet
max. production length:
25 m dep. DN

Temperature Range

-40 °C to +130 °C
peaks to +150 °C

Master-SANTO L



TPV Suction and
Transport Hose,
lightweight, for
increased temperatures

Applications

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

Available in:

DN 25 - DN 500
Color: black
Stock lengths: see internet
max. production length:
25 m dep. 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 and 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 and machine manufacturing
- Liquid and gaseous media

Available in:

DN 25 - DN 500
Color: black
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-40 °C to +125 °C
peaks to +150 °C

Master-NEO 1



Medium and high temperature hose up to + 135 °C

Applications

- Chemicals industry
- Hot air hose for granulate dryer
- Machine and engine manufacturing
- Shipbuilding
- Plastic processing industry
- Waste incineration plants
- Conveyance of air & gaseous media with high nominal and ambient temperatures
- Automotive and aircraft manufacturing

Available in:

DN 13 - DN 305
Color: black
Stock lengths: see internet
max. production length: 4 m dep. DN

Temperature Range

-35 °C to +135 °C
kurzzeitig -55 °C to +150 °C

Master-NEO 2



Medium and 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 and engine manufacturing
- Shipbuilding
- Plastic processing industry
- Waste incineration plants
- Automotive and aircraft manufacturing

Available in:

DN 13 - DN 305
Color: black
Stock lengths: see internet
max. production length: 4 m dep. DN

Temperature Range

-35 °C to +135 °C
kurzzeitig -55 °C to +150 °C

Master-Clip HYPALON®



Medium and high temperature hose up to +175 °C

Applications

- Air-conditioning and ventilation systems
- Engine manufacturing
- Exhaust gas extraction
- Suction/extraction of aggressive media
- Transport of hot and cold air
- Granulate drying
- Standard industrial hose
- Automotive manufacturing
- Low pressure range
- Extractor units

Available in:

DN 38 - DN 900
Color: black/ green
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-40 °C to +175 °C
peaks to +190 °C

Master-Clip VITON®



Medium and 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

Available in:

DN 38 - DN 900
Color: red/ black
Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-25 °C to +210 °C
peaks to +240 °C

Temperature-Resistant Hoses up to +1.100 °C

Master-SIL 1



Medium and high temperature hose up to +250 °C, double-layered

Applications

- Chemicals industry
- Hot air hose for granulate dryer
- Machine and engine manufacturing
- Shipbuilding
- Plastic processing industry
- Waste incineration plants
- Conveyance of air and gaseous media with high nominal and ambient temperature
- Automotive and aircraft manufacturing

Available in:

DN 13 - DN 305

Color: red

Stock lengths: see internet
max. production length:
4 m dep. DN

Temperature Range

-70 °C to +250 °C
peaks -85 °C to +300 °C

Master-SIL 2



Medium and high temperature hose up to +250 °C, double-layered

Applications

- - Chemicals industry
- Conveyance of air & gaseous media with high nominal and ambient temperatures
- Hot air hose for granulate dryer
- Machine and engine manufacturing
- Shipbuilding
- Plastic processing industry
- Waste incineration plants
- Automotive and aircraft manufacturing

Available in:

DN 13 - DN 305

Color: red

Stock lengths: see internet
max. production length:
4 m dep. DN

Temperature Range

-70 °C to +250 °C
peaks -85 °C to +300 °C

Master-Clip SILICON



Medium and high temperature hose up to +300 °C

Applications

- Engine manufacturing
- Hot and cold air conveyance
- Machine manufacturing
- Automotive manufacturing
- Low pressure range
- Extractor units
- Defence systems
- Aircraft manufacturing

Available in:

DN 40 - DN 900

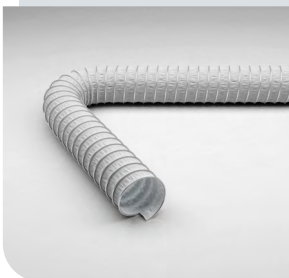
Color: silver-grey

Stock lengths: see internet
max. production length:
15 m dep. DN

Temperature Range

-60 °C to +300 °C
peaks to +350 °C

Master-Clip ISO-SILICON



Medium and high temperature hose up to +300 °C, double-layered

Applications

- Engine manufacturing
- Hot and cold air conveyance
- Extractor units with greater suction performance
- Automotive manufacturing
- Low pressure range
- Defence systems
- Aircraft manufacturing

Available in:

DN 40 - DN 900

Color: silver-grey

Stock lengths: see internet
max. production length:
15 m dep. DN

Temperature Range

-60 °C to +300 °C
peaks to +350 °C

Master-Clip HT 300



Medium and high temperature hose up to +300 °C, silicone-free, highly flexible

+ silicone-free
+ highly flexible
+ super lightweight

Applications

- Machine manufacturing
- Automotive manufacturing
- Low pressure range
- Extractor units
- Exhaust extraction (engine manufacturing)
- Hot air
- Smoke extractors
- Defence systems
- Aircraft manufacturing

Available in:

DN 50 - DN 900

Color: grey

Stock lengths: see internet
max. production length:
15 m dep. DN

Temperature Range

-20 °C to +300 °C
peaks to +350 °C

Temperature-Resistant Hoses up to +1.100 °C

Master-Clip CAR



Medium and 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

Available in:

DN 38 - DN 900

Color: silver-grey/ green-grey

Stock lengths: see internet
max. production length:
20 m dep. DN

Temperature Range

-60 °C to +300 °C
peaks to +350 °C

Master-Clip ISO-CAR



Medium and high temperature hose up to +300 °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

Available in:

DN 38 - DN 900

Color: silver-grey/ green-grey

Stock lengths: see internet
max. production length:
20 m dep. DN

Temperature Range

-60 °C to +300 °C
peaks to +350 °C

Master-Clip HT 400



Medium and high temperature hose up to +400 °C

Applications

- Oven manufacturing
- Heat protection
- Mining and steel industry
- Primarily suitable as suction/extractor hose
- Limited suitability for exhaust gas extraction
- Machine manufacturing
- Low pressure range
- Extractor units
- Hot air
- Smoke extractors

Available in:

DN 38 - DN 900

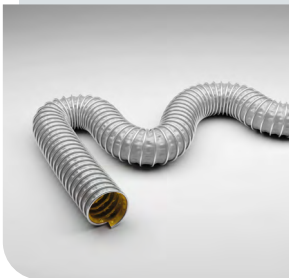
Color: silver-grey

Stock lengths: see internet
max. production length:
20 m dep. DN

Temperature Range

-20 °C to +400 °C
peaks to +450 °C

Master-Clip KAPTON®



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

Applications

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

Available in:

DN 50 - DN 900

Color: white/ yellow-gold

Stock lengths: see internet
max. production length:
15 m dep. DN

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

Available in:

DN 50 - DN 900

Color: silver-grey

Stock lengths: see internet
max. production length:
15 m dep. DN

Temperature Range

-20 °C to +450 °C
peaks to +500 °C

Temperature-Resistant Hoses up to +1.100 °C

Master-Clip HT 500



Medium and high temperature hose up to +500 °C

Applications

- Exhaust gas routing in gauge pressure & low pressure range
- Vehicle and engine manufacturing
- Exhaust gas extraction in Automotive industry with higher temperature demands

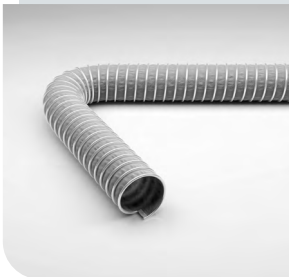
Available in:

DN 75 - DN 900
Color: inside silver, outside red
Stock lengths: see internet
max. production length: 10 m dep. DN

Temperature Range

-20 °C to +500 °C
peaks to +550 °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 and aircraft industry
- Shipbuilding industry
- Heat protection
- Smoke extraction
- Mining and steel industry
- Machine manufacturing

Available in:

DN 50 - DN 900
Color: silver-grey
Stock lengths: see internet
max. production length: 15 m dep. 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 and heat protection
- Automotive, aircraft & shipbuilding industries
- Defence systems
- Mining and 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

Available in:

DN 75 - DN 900
Color: silver-grey
Stock lengths: see internet
max. production length: 15 m dep. DN

Temperature Range

-20 °C to +1100 °C



Chemical-Resistant Hoses

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

Master-PE LF EL



PE Film Hose, super lightweight, highly flexible, electroconductive, surface resistance $\leq 10^4$ Ohm

Applications

- Suction/extraction of chemical fumes and gases in ventilation and air conditioning

Available in:

DN 40 - DN 600

Color: black

Stock lengths: see internet

max. production length:

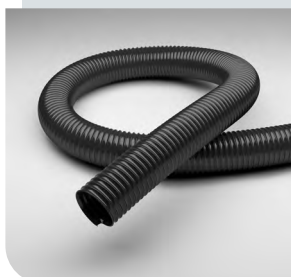
25 m dep. DN

Temperature Range

-40 °C to +60 °C

peaks to +80 °C

Master-PE L EL



PE Suction and Transport Hose, lightweight, highly flexible, electroconductive, surface resistance $\leq 10^4$ Ohm

Applications

- 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

Available in:

DN 25 - DN 300

Color: black

Stock lengths: see internet

max. production length:

25 m dep. DN

Temperature Range

-35 °C to +80 °C

peaks to +120 °C

Master-Clip VINYL EL



Suction and Blower Hose made from PVC-coated polyester fabric, antistatic, surface resistance $< 10^6$ Ohm

Applications

- Danger zones, which requires electro-conductivity acc. to TRBS
- Suction and conveyance of aggressive media, explosive gases and fumes
- Air supply & extraction in explosion-protected areas
- For greater mechanical demands
- Low pressure range
- Extractor units

Available in:

DN 50 - DN 900

Color: black

Stock lengths: see internet

max. production length:

20 m dep. DN

Temperature Range

-20 °C to +70 °C

peaks to +80 °C

Chemical-Resistant Hoses

Master-Clip NEOPREN



Medium and high temperature hose up to +125 °C

Applications

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

Available in:

DN 38 - DN 900

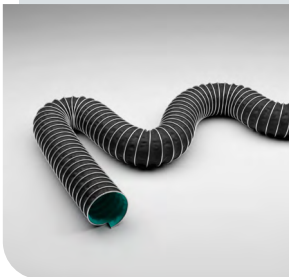
Color: black

Stock lengths: see internet
max. production length:
25 m dep. DN

Temperature Range

-35°C to +125 °C
peaks to +150 °C

Master-Clip HYPALON®



Medium and high temperature hose up to +175 °C

Applications

- Air-conditioning and ventilation systems
- Engine manufacturing
- Exhaust gas extraction
- Suction/extraction of aggressive media
- Transport of hot and cold air
- Granulate drying
- Standard industrial hose
- Automotive manufacturing
- Low pressure range
- Extractor units

Available in:

DN 38 - DN 900

Color: black/ inside green

Stock lengths: see internet
max. production length:
25 m dep. DN

Temperature Range

-40 °C to +175 °C
peaks to +190 °C

Master-Clip VITON®



Medium and 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

Available in:

DN 38 - DN 900

Color: red/ black

Stock lengths: see internet
max. production length:
25 m dep. DN

Temperature Range

-25 °C to +210 °C
peaks to +240 °C

Master-Clip VITON® EL



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

Applications

- 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

Available in:

DN 38 - DN 900

Color: black

Stock lengths: see internet
max. production length:
25 m dep. DN

Temperature Range

-25 °C to +210 °C
peaks to +240 °C

Master-Clip PTFE



Suction and Blower Hose for aggressive media up to +250 °C

Applications

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

Available in:

DN 40 - DN 900

Stock lengths: see internet
max. production length:
20 m dep. DN

Temperature Range

-150 °C to +250 °C
peaks to +270 °C

Master-Clip PTFE EL



Suction and Blower Hose for corrosive media up to +280 °C, electroconductive, surface resistance < 10⁶ Ohm

Applications

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

Available in:

DN 55 - DN 900

Color: black

Stock lengths: see internet
max. production length: 10 m dep. DN

Temperature Range

-150 °C to +280 °C
peaks to +300 °C

Master-Clip PTFE H



Suction and Blower Hose for aggressive media up to +175 °C

Applications

- Suction & conveyance of aggressive media, explosive gases and fumes
- Paint mist extraction
- Paint, wood and paper industry
- Solvent extraction
- Pharmaceuticals industry
- Low pressure range
- Chemicals industry

Available in:

DN 38 - DN 900

Color: inside white, outside black

Stock lengths: see internet
max. production length: 25 m dep. DN

Temperature Range

-40 °C to +175 °C
peaks to +190 °C

Master-Clip PTFE H EL



Suction and Blower Hose for corrosive media up to +175 °C, electroconductive, surface resistance < 10⁶ Ohm

Applications

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

Available in:

DN 38 - DN 900

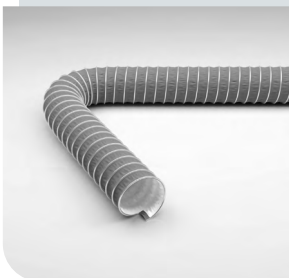
Color: black

Stock lengths: see internet
max. production length: 20 m dep. DN

Temperature Range

-40 °C to +175 °C
peaks to +190 °C

Master-Clip PTFE S



Suction and Blower Hose for aggressive media up to +250 °C

Applications

- Suction and conveyance of aggressive media, explosive gases and fumes
- Paint mist extraction
- Paint, wood and paper industry
- Solvent extraction
- Pharmaceuticals industry
- Low pressure range
- Chemicals industry

Available in:

DN 50 - DN 900

Color: inside white, outside black

Stock lengths: see internet
max. production length: 10 m dep. DN

Temperature Range

-70 °C to +250 °C
peaks to +270 °C

Master-Clip PTFE S EL



Suction and Blower Hose for corrosive media up to +250 °C, electroconductive, surface resistance < 10⁶ Ohm

Applications

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

Available in:

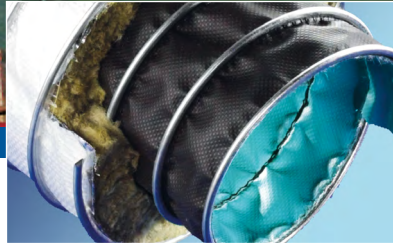
DN 50 - DN 900

Color: black

Stock lengths: see internet
max. production length: 10 m dep. DN

Temperature Range

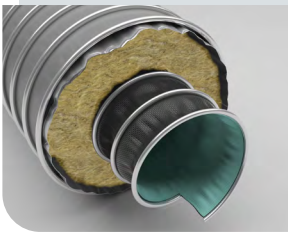
-70 °C to +250 °C
peaks to +270 °C



Custom-Designed Clip Hoses

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

Thermo & Insulating Hoses



Multi-layered hose combinations with specially adapted insulated hoses

Applications

- Air-conditioning and ventilation systems
- Heat and cold protection
- Machine manufacturing
- Automotive manufacturing

Available in:

DN: on request
Production lengths: up to ca. 5 m

Temperature Range

dep. on materials applied

Master-Clip Scaled Hoses



Double-layered hose design with scales on inner hose lining

Applications

- Loading and 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

Available in:

DN: on request
Production lengths: 3 m

Temperature Range

dep. on materials applied

Multi-Layered Master-Clip Hoses



Single or multi-layered hose designs with various fabric combinations

Applications

- Air-conditioning and ventilation systems
- Exhaust gas extraction
- Suction of gaseous media with special requirements for internal and external hose layers
- High Temperature Range
- Chemicals industry

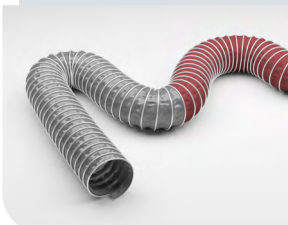
Available in:

DN: on request
Production lengths: 3 m

Temperature Range

dep. on materials applied

Master-Clip Combo



Combination of different Clip materials

Applications

- Almost unlimited applications in field of air, gas and exhaust fume extraction/suction

Available in:

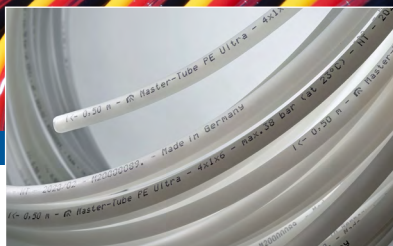
DN: on request
Production lengths: 3 m

Temperature Range

dep. on materials applied

Custom-Designed Clip Hoses

Our range of materials includes almost all thermoplastics that can be processed



Master-Tube PUR



Polyester-Polyurethane Tube: Offers a flexible solution - even under great pressure

Applications

- Mechanical Engineering
- Robotics and Automation

Available in:

ID: 1 - 33 mm / OD: 1,5 - 40 mm
Colors: natural, blue, black
Other variants on request
Variations: Rolled Goods, Cut Goods, Multi-tube, Spiralled or Moulded Form Tubes

Temperature Range

-40 °C to +85 °C

Master-Tube PUR Food



Food-approved PU hose

Applications

- Agriculture
- Chemicals
- Food Industry
- Mechanical Engineering
- Robotics and Automation
- Transport

Available in:

ID: 2 - 11 mm / OD: 4 - 16 mm
Colors: many opaque and transparent colour variants on request
Variations: Rolled Goods, Cut Goods, Multi-tube, Spiralled or Moulded Form Tubes

Temperature Range

-40 °C to +85 °C

XFlame®



Hardly inflammable PU tube, weld spatter resistant, self-extinguishing, abrasion resistant

Applications

- Mechanical Engineering
- Robotics and Automation

Available in:

ID: 2 - 11 mm / OD: 4 - 16 mm
Colors: black, blue, red, green, white, ...
Other variants on request
Variations: Rolled Goods, Cut Goods, Multi-tube, Spiralled or Moulded Form Tubes

Temperature Range

-40 °C to +90 °C

Custom-Designed

XFlame soft®



Flexible PU tube, self-extinguishing, hardly inflammable

Applications

- Welding equipment/machines
- Welding robots/ spot welding guns
- Drag chains
- Special cables
- Welding technology
- Bonding technology
- Fire technology
- Cooling/hot water applications

Available in:

ID: 2 - 11 mm / OD: 4 - 16 mm
Colors: black, blue
Other variants on request
Variations: Multiple tubes
Coil tubes, Performed tubes, Rolls, Sections

Temperature Range

-40 °C to +90 °C

XFlame hydro®



Self-extinguishing PU tube, weld spatter resistant, very elastic

Applications

- Welding equipment/machines
- Welding robots/ spot welding guns
- Drag chains
- Special cables
- Pneumatic systems
- Welding technology
- Bonding technology
- Fire technology
- Cooling/hot water applications

Available in:

ID: 2 - 11 mm / OD: 4 - 16 mm
Colors: black, blue, red, green, white, ...
Other variants on request
Variations: Rolled Goods, Cut Goods, Multi-tube, Spiralised or Moulded Form Tubes

Temperature Range

-40 °C to +90 °C

Master-Tube PA



Polyamide tube complies with DIN 73378/74324, ... the solution under pressure under increased temperatures, LABS-free, impact-resistant

Applications

- Automotive
- Agriculture
- Painting Technology
- Mechanical Engineering
- Robotics and Automation
- Transport

Available in:

ID: 0,5 - 34mm / OD: 1 - 38 mm
Colors: natural, blue, black
Other variants on request
Variations: Rolled Goods, Cut Goods, Multi-tube, Spiralised or Moulded Form Tubes

Temperature Range

-40 °C to +90 °C

Master-Tube PA 6.12w



Modified polyamide tube, abrasion-resistant, LABS-free, impact-resistant

Applications

- Automotive
- Agriculture
- Painting Technology
- Mechanical Engineering
- Robotics and Automation
- Transport

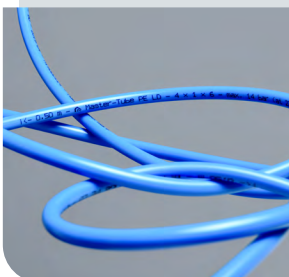
Available in:

ID: 2 - 18 mm / OD: 4 - 22 mm
Colors: natural, blue, black
Other variants on request
Variations: Rolled Goods, Cut Goods, Multi-tube, Spiralised or Moulded Form Tubes

Temperature Range

-40 °C to +90 °C

Master-Tube PE



Polyethylene-based tube, LABS-free, impact-resistant

Applications

- Mechanical Engineering
- Robotics and Automation
- Agriculture
- Painting Technology

Available in:

ID: 1 - 41 mm / AD: 2 - 42,6 mm
Colors: natural, blue, black
Other variants on request
Variations: Rolled Goods or Cut Goods

Temperature Range

-30 °C to +70 °C

Custom-Designed

Master-Tube PA Brake



Special polyamide tube for brake and vehicle technology

Applications

- Mechanical Engineering
- Automotive

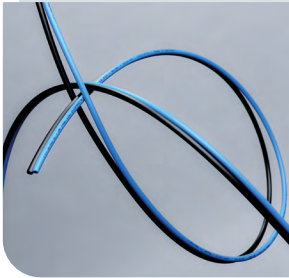
Available in:

ID: 2 - 16 mm / OD: 4 - 20 mm
Colours: black
Other options on request
Variations: Rolls

Temperature Range

-40 °C to +90 °C

PA Duopart®



Polyamide twin hose as burr-free connection solution

Applications

- Suitable for push-in connectors
- Pneumatic control line
- Automotive
- Vacuum

Available in:

ID: 2 - 8 mm / OD: 4 - 10 mm
Colours: black, blue
Other options on request
Variations: Multiple tubes, Rolls

Temperature Range

-40 °C to +85 °C

Master-Tube PA E



Polyamide hose with elastomer components

Applications

- Mechanical Engineering
- Robotics and Automation
- Automotive
- Pneumatic systems
- Energy supply system
- Control air

Available in:

ID: 2 - 9 mm / OD: 4 - 12 mm
Color: nature, black, blue
Other options on request
Variations: Multiple hose
Spiralized, molded hose, rolled, cut to length

Temperature Range

-40 °C to +85 °C

Master-Tube PVDF



PVDF hose particularly resistant to chemicals and temperatures

Applications

- Chemical industry
- Mechanical engineering
- Laboratory technology
- Painting and paint spraying technology
- Pneumatic systems
- Paint and dosing systems
- Laboratory units
- Feeding- and conveying hose

Available in:

ID: 2 - 10 mm / OD: 4 - 12 mm
Color: nature
Other options on request
Variations: Molded hose, rolled, cut to length

Temperature Range

-40 °C to +150 °C

Master-Tube PP



Polypropylene hose, chemical resistant and food safe according to FDA21 CFR 177.250

Applications

- Chemical industry
- Mechanical engineering
- Food industry
- Laboratory technology
- Painting and paint spraying technology
- Pneumatic systems
- Paint and dosing systems
- Laboratory units
- Feed- and transport hose
- Riser tubes

Available in:

ID: 2 - 19 mm / OD: 3,5 - 23 mm
Color: nature
Other options on request
Variations: Molded hose, roll goods, cut goods

Temperature Range

-25 °C to +90 °C

Master-Tube TPE



Modified thermoplastic elastomer-based hose, temperature-resistant and flame-retardant

Applications

- Chemical industry
- Mechanical engineering
- Paint and paint spraying technology
- Paint and metering systems

Available in:

ID: 2 - 30 mm / OD: 4 - 35 mm
Color: nature
Other options on request
Variations: Roll goods, Cut-to-size

Temperature Range

-40 °C to +125 °C

Master-Tube TPEE



Modified hose with high mechanical strength and good flexibility

Applications

- Mechanical Engineering
- Robotics and Automation
- Automotive
- Pneumatic systems
- Robotic systems
- Energy supply system
- Control air

Available in:

ID: 2 - 11 mm / OD: 4 - 14 mm
Color: nature, black
Other options on request
Variations: Spiralized, molded hose, roll stock, cut-to-length stock

Temperature Range

-40 °C to +120 °C

Master-Tube PUR 98A Duo & Trio Master-Tube PA 12w Duo & Trio



Modified hose with high mechanical strength and good flexibility

Applications

- Low weight
- Very good abrasion resistance
- No need for hose bundling
- Space-saving
- Easy assignment due to color differentiation
- Combination air/electric by pulling in or as customer supply for welded to the hose possible
- Techn. product features See standard Pneumatic tubing „Master-Tube PUR 98A“ or „Master-Tube PA 12w“

Available in:

Color: blue/black
blue/black/nature
Variations: Spiralized, rolled, cut to length
Special sizes, color & tube combinations on request

Temperature Range

-40 °C to +85 °C (98A)
-40 °C to +90 °C (12w)

Master-Tube PUR 98A Spiral Master-Tube PA 12w Spiral



Applications

- High restoring force
- Low weight
- Good pressure stability
- Easy handling
- Space saving
- Endings on customer request axial, radial tapered, also available in combination
- Technical product features See standard Pneumatic tubing „Master-Tube PUR 98A“ or „Master-Tube PA 12w“

Available in:

Color: blue
Variations: Spiralized
Special sizes, color & hose combinations on request

Temperature Range

-40 °C to +85 °C (98A)
-40 °C to +90 °C (12w)



PU-Lined Pipes and Pipe-Bends

Innovative Wear Protection for Pipes and Pipe-Bends

Master-PROTECT® Pipe-bend



PU-lined pipe-bend

Applications

- Pneumatic conveying plants

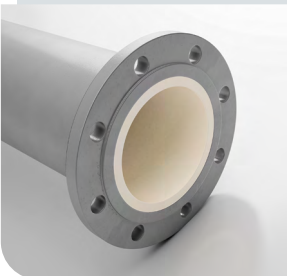
Available in:

DN 50 - DN 200
Color of lining: beige
Pressure range:
PN 6 - PN 10/16

Temperature Range

-40 °C to +80 °C
peaks to +110 °C

Master-PROTECT® Rohr



PU-ausgekleidetes Rohr

Applications

- Pneumatic conveying plants

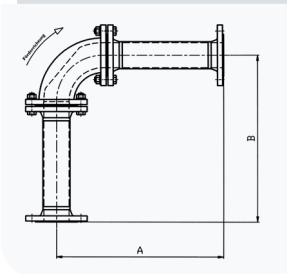
Available in:

DN 50 - DN 200
Color of lining: beige
Pressure range:
PN 6 - PN 10/16

Temperature Range

-40 °C to +80 °C
peaks to +110 °C

Master-PROTECT® Montageset



Connector pipes for Master-PROTECT® pipe-bend

Applications

- Pneumatic conveying plants

Available in:

DN 50 - DN 200
Pressure range:
PN 6 - PN 10/16

Temperature Range

-40 °C to +80 °C
peaks to +110 °C

13.1



Installation and Connections: Clamps

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

Clip-Grip Hose Clamp, screwable



Special clamp for Master-Clip hoses

Applications

- Special clamp for all hose types from Master-Clip series for mobile and stationary units

Available from stock in:

Clamping range from 40/60 mm to 900/920 mm
Strap, bridge and housing made from steel

Clip-Grip Quick-Fix Clamp



Special clamp for Master-Clip hoses

Applications

- Special clamp for all hose types from Master-Clip series for mobile and stationary units

Available from stock in:

Clamping range from 75/82 mm to 500/507 mm
Strap, bridge and housing made from stainless steel 1.4301

Master-Grip Hose Clamp, screwable



Special clamp for right-lay hoses

Applications

- 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

Available from stock in:

Clamping range from 35/44 mm to 500/520 mm
Strap, bridge and housing made from steel

Installation and Connections: Clamps

Master-Grip Quick-Fix Clamp



Special clamp for right-lay hoses

Applications

- 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

Available from stock in:

Clamping range from 75/82 mm to 500/507 mm
Strap, Bridge and Hosing made from stainless steel 1.4301

Car-Grip Hose Clamp, screwable



Special clamp for Carflex-Super and Master-PUR STEP hoses

Applications

- Special clamp for Carflex Super and Master-PUR STEP hoses for mobile and stationary units

Available from stock in:

Clamping range from 50/70 mm to 250/270 mm
Strap, Bridge and Hosing made from steel

Car-Grip Quick-Fix Clamp



Special clamp for Carflex-Super and Master-PUR STEP hoses

Applications

- Special clamp for Carflex Super and Master-PUR STEP hoses for mobile and stationary units

Available from stock in:

Clamping range from 75/82 mm to 500/507 mm
Strap, Bridge and Hosing from stainless steel 1.4301

Hose Clamp with Worm-Gear



Standard clamp for universal requirements

Applications

- Special clamp for mounting light hose types onto connector brackets on mobile and stationary units

Available from stock in:

Clamping range from 25/40 mm to 500/520 mm
Strap, Bridge and Hosing made from steel

Hose Clamp with Bolts



for heavier hoses

Applications

- Special clamp for connecting medium and heavy duty hoses to connectors on mobile and stationary units

Available from stock in:

Clamping range from 32/35 mm to 500/518 mm
Strap and screw made from galvanised steel

Installation and Connections: Clamps

Master-Grip Double Wire Clamp, screw-fitting



Special clamp with double-wire system, stainless steel, for right-winding hoses/ducting

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 31/37 mm to 246/266 mm

Strap, Bridge and Hosing from stainless steel 1.4301

Quick-Fix Clamp for Cone Flanges



quick-fix clamps for cone flanges in acc.to DIN 3016

Applications

- Reductions with cone flanges
- Combiflex PU cone flanges
- Steel piping with cone flanges
- Pipe bends/elbows with cone flanges for quick connectors from: Metal columns with cone flanges

Available from stock in:

Clamping range: see internet

Combiflex Clamp Connection Hinged Clamp



For use in connections to machines and pipelines

Applications

- Fittings for solid, liquid and gaseous media in the - food industry - pharmacy - chemistry
- creates liquid-tight connections
- odorless and tasteless
- hot steam sterilizable
- good chemical resistance
- high tensile and tear strength

Available from stock in:

Clamping range: see internet

13.2

Installation & Connections: Plastic Connetors

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

Combiflex PU Cone Flange



acc. to
DIN 3016

Applications

- Screwable quick connection system for all Master-PUR L, Master-PUR H and Master-PUR HX hose types
- Screwable and cast-on mountings

Available in:

DN 50 - DN 250
Color: black

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Combiflex PU Cone Flange permanently installed



fixed quick connector
system for all Master-
PUR L, Master-PUR H and
Master-PUR HX hoses,
following DIN 3016

Applications

- For all Master-PUR L, Master-PUR H and Master-PUR HX hose types

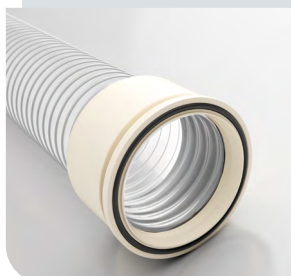
Available in:

DN 50 - DN 250
Color: black

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Combiflex PU Cone Flange Food



fixed quick connector
system for all Master-PUR
Food hose types, following
DIN 3016, food-safe
EU 10/2011

Applications

- Permanently molded quick connector for all Master-PUR Food hose types
- Approved for direct food contact

Available in:

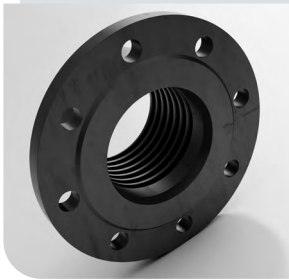
DN 50 - DN 200
Color: white

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Installation & Connections: Plastic Connectors

Combiflex PU Fixed Flange



screw-on plastic flange for Master-PUR L, Master-PUR H, Master-PUR HX and Master-PUR Performance, for counterflanges according to DIN 2632 / DIN 2633 / DIN 2673

Applications

- PU flange for all Master-PUR L, Master-PUR H and Master-PUR HX Hose types
- Screw-on or permanently mounted

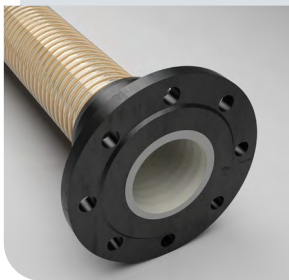
Available in:

DN 50 - DN 300
Color: black

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Combiflex Cast-on PU Fixed Flange



Fixed PU flange for all Master-PUR hoses, for counterflanges to DIN 2632 / DIN 2633 / DIN 2673

Applications

- Permanently cast PU flange for all Master-PUR Inline and Master-PUR performance hose types

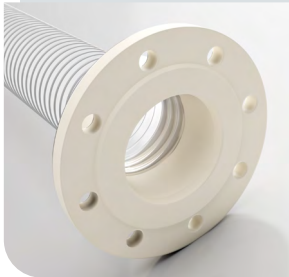
Available in:

DN 50 - DN 204
Color: black

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Combiflex Cast-on PU Fixed Flange Food



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

Applications

- Permanently molded PU flange for all Master-PUR Food hose types
- Approved for direct food contact

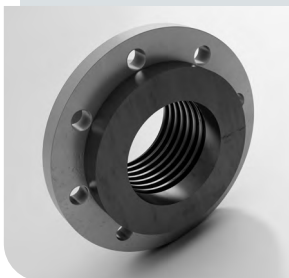
Available in:

DN 50 - DN 150
Color: white

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Combiflex PU Swivel Flange



screw-on plastic collar with loose flange for Master-PUR L, Master-PUR H, Master-PUR HX and Master-PUR Performance, for counterflanges acc. to DIN 2632 / DIN 2633 / DIN 2673

Applications

- PU flange for all Master-PUR L, Master-PUR H and Master-PUR HX Hose types
- Screw-on or permanently mounted

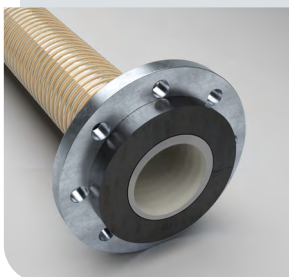
Available in:

DN 50 - DN 300
Color: black

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Combiflex Cast-on PU Swivel Flange



Fixed cast-on PU loose flange for all Master-PUR hoses, for counterflanges to DIN 2632 / DIN 2633 / DIN 2673

Applications

- Permanently cast PU flange for Master-PUR Inline and Master-PUR performance hoses

Available in:

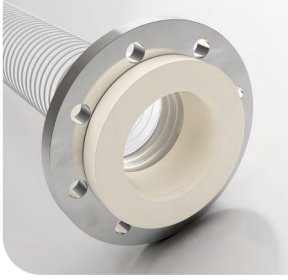
DN 50 - DN 204
Color: black

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Installation & Connections: Plastic Connectors

Combiflex PU Swivel Flange Food



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

Applications

- Permanently molded PU flange for all Master-PUR Food hose types
- Approved for direct food contact

Available in:

DN 50 - DN 150
Color: white

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Combiflex PU Threaded Sockets



PU threaded connector for all Master-PUR L, Master-PUR H and Master-PUR HX hose types, based on DIN ISO 228

Applications

- PU threaded sockets for all Master-PUR L, Master-PUR H and Master-PUR HX hose types
- Screw-on or permanently mounted

Available in:

DN 50 - DN 150
Color: black

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Combiflex PU Threaded Sockets Food



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

Applications

- PU threaded connection for attaching fittings to Master-PUR Food hoses
- Approved for direct food contact

Available in:

DN 50 - DN 150
Color: white

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Streetmaster Cuff



fixed connection sleeve for all Streetmaster hoses

Applications

- Spiral-free connection sleeve for all Streetmaster hoses, for liquid-tight assembly
- Only permanently mounted on Streetmaster hoses

Available in:

DN 200, 225, 250, 280 and 400
Color: black

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

PU Screw Cuff EL



PU end fitting for Master-PUR L/H and Master-PVC L/H hoses, electrically conductive

Applications

- Special screw socket for Master-PUR L/H and Master-PVC L/H hoses
- Industrial vacuum cleaners
- Suction and blower systems
- Conveyor systems

Available in:

DN 32 - DN 100
Color: black

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Installation & Connections: Plastic Connetors

Combiflex PU-Cuff A



screw-on PU end fitting for Master-PUR hoses, permanently antistatic

Applications

- Special sleeve for all Master-PUR L and Master-PUR H hose types
- Screw-on or permanently mounted

Available in:

DN 125 - DN 300
Color: black

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Combiflex PU-Cuff V



screw-on PU end fitting for Master-PUR hoses on spigots acc. to DIN 2448/ DIN 2458, permanently antistatic

Applications

- Special sleeve for all Master-PUR L and Master-PUR H hose types
- Screw-on or permanently mounted

Available in:

DN 32 - DN 300
Color: black

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Combiflex PU-Hose Connector



screw-on PU hose connector for Master-PUR L and H hoses

Applications

- Screw-on hose connector for a.o. following hose types: Master-PUR L, Master-PVC L, Master-PUR H, Master-PVC H

Available in:

DN 25 - DN 100
Color: black

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Cuff for Master-PVC-Flex



special cuff for Master-PVC Flex hoses

Applications

- Industrial vacuum cleaners
- Suction & blower units
- Conveyance units
- Special screw cuff for Master-PVC Flex

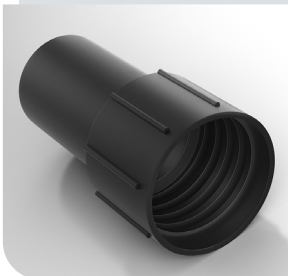
Available in:

DN 25 - DN 102
Color: black

Temperature Range

0 °C to +70 °C

Cuff for Master-VAC



Special cuff for Master-VAC hoses, electro-conductive

Applications

- Industrial vacuum cleaners
- Suction & blower units
- Conveyance units

Available in:

DN 32 - DN 50
Color: black

Temperature Range

0 °C to +70 °C

Installation & Connections: Plastic Conneters

PU-Hose Sleeve



Reusable special sleeve for connection of spiral hoses from the Masterflex SE hose range, for use with clamp collars

Applications

- Reusable special sleeve for binding spiral hoses from the Masterflex the hose program of Masterflex SE

Available in:

DN 38 - DN 204

Color: black

Temperature Range

-40 °C to +90 °C

peaks to +125 °C

Heat Shrink Cuff



Heat shrink sleeve for easy connection and sealing of hoses

Applications

- Tight connection of spiral hoses or connector brackets with no technical effort required

Available from stock in:

Shrink range:

54/18 to 375/265

Color: black

Temperature Range

-55 °C to +110 °C

13.3

Installation & Connections: Metal Connetors

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

Cone Flange with Metal Socket



Cone flange in accordance
with DIN 3016

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

Cast-On Cone Flange



Metal cone flange based
on DIN 3016

Applications

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

Available in:

DN 50 - DN 250

Quick-Fix Clamp for Cone Flanges



for quick connections
of Combiflex PU conical
flanges, weld-on conical
flanges and conical flanges
with spigots, following DIN
3016

Applications

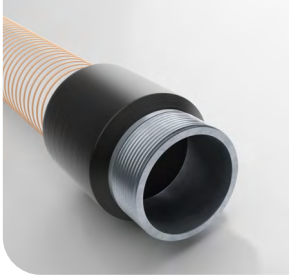
- For quick connections of hoses to:
 - Combiflex PU Cone Flanges
 - Steel pipes with cone flanges
 - Pipe-bends with cone flanges
 - Reducers with cone flanges
 - Metal sockets with cone flanges

Available in:

DN 50 - DN 250

Installation & Connections: Metal Connetors

Combiflex Metal Threaded Sockets



With outer thread
DIN ISO 228
- cast-on

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
Color: black

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Combiflex Clamp Connection Clamps



acc. to DIN 32676
- cast-on

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



For clamp connections
acc. to
DIN 32676

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

Combiflex Clamp Connection Ring-Seal



For clamp connections
acc. to
DIN 32676

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

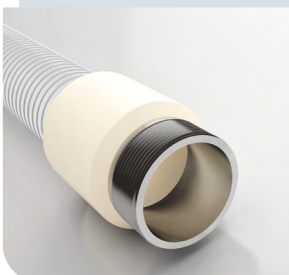
Available in:

DS 32 - DS 150
Color: white

Temperature Range

-25 °C to +120 °C
peaks to +150 °C

Combiflex VA Threaded Socket Food



With outer thread
acc.to DIN ISO 228
- cast-on, Food grade
Polyurethane acc. to EU
10/2011

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
- Food industry
- Pharmaceuticals industry
- Chemicals industry

Available in:

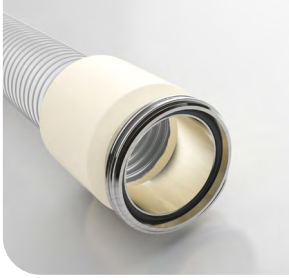
DN 25 - DN 150
Color: white / stainless steel

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Installation & Connections: Metal Connectors

Combiflex Dairy Fitting Threaded Hose Sockets



acc. to DIN 11851
- cast-on, Food grade
Polyurethane acc. to EU
10/2011

Applications

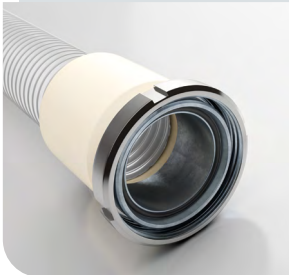
- Fitting for solid, liquid & gaseous media in:
 - Food industry
 - Pharmaceuticals industry
 - Chemicals industry
- Cast-on pipe screw connection acc. to DIN 11851 for Master-PUR Food hoses
- For application for connectors to machines and piping

Available in:
DS 32 - DS 150

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Combiflex Dairy Fitting Cone Sockets



with locknut
acc. to DIN 11851
- cast-on/pre-fixed,
Food grade Polyurethane
acc. to EU 10/2011

Applications

- 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

Available in:
DS 32 - DS 150

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Combiflex Dairy Fitting Ring-Seal



for threaded sockets
acc. to DIN 11851

Applications

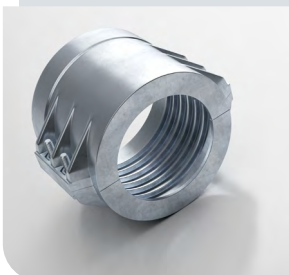
- For application for connectors to machines and piping
- Ring seals for screw connectors acc. to DIN 11851
- Ring-seals for solid, liquid & gaseous media in:
 - Food industry
 - Pharmaceuticals industry
 - Chemicals industry

Available in:
DS 32 - DS 150

Temperature Range

-25 °C to +120 °C
peaks to +150 °C

Clamp Collars, screwed



acc. to DIN EN 14420-3

Applications

- Versatile applications for spiral hoses from the Masterflex SE hose range when using PU hose sleeves

Available in:
DN 38 - DN 200

PU-Hose Sleeve



Special sleeve for use with
clamp collars

Applications

- Reusable special sleeve for binding of spiral hoses from the hose program of Masterflex SE

Available in:
DS 38 - DS 204
Color: black

Temperature Range

-40 °C to +90 °C
peaks to +125 °C

Installation & Connections: Metal Connetors

Hose Connector



Sheet steel connectors for lightweight & medium-weight hoses

Applications

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

Available in:

DN 50 - DN 900

Hose Reducer, symmetrical



Reducer for lightweight & medium-weight hoses

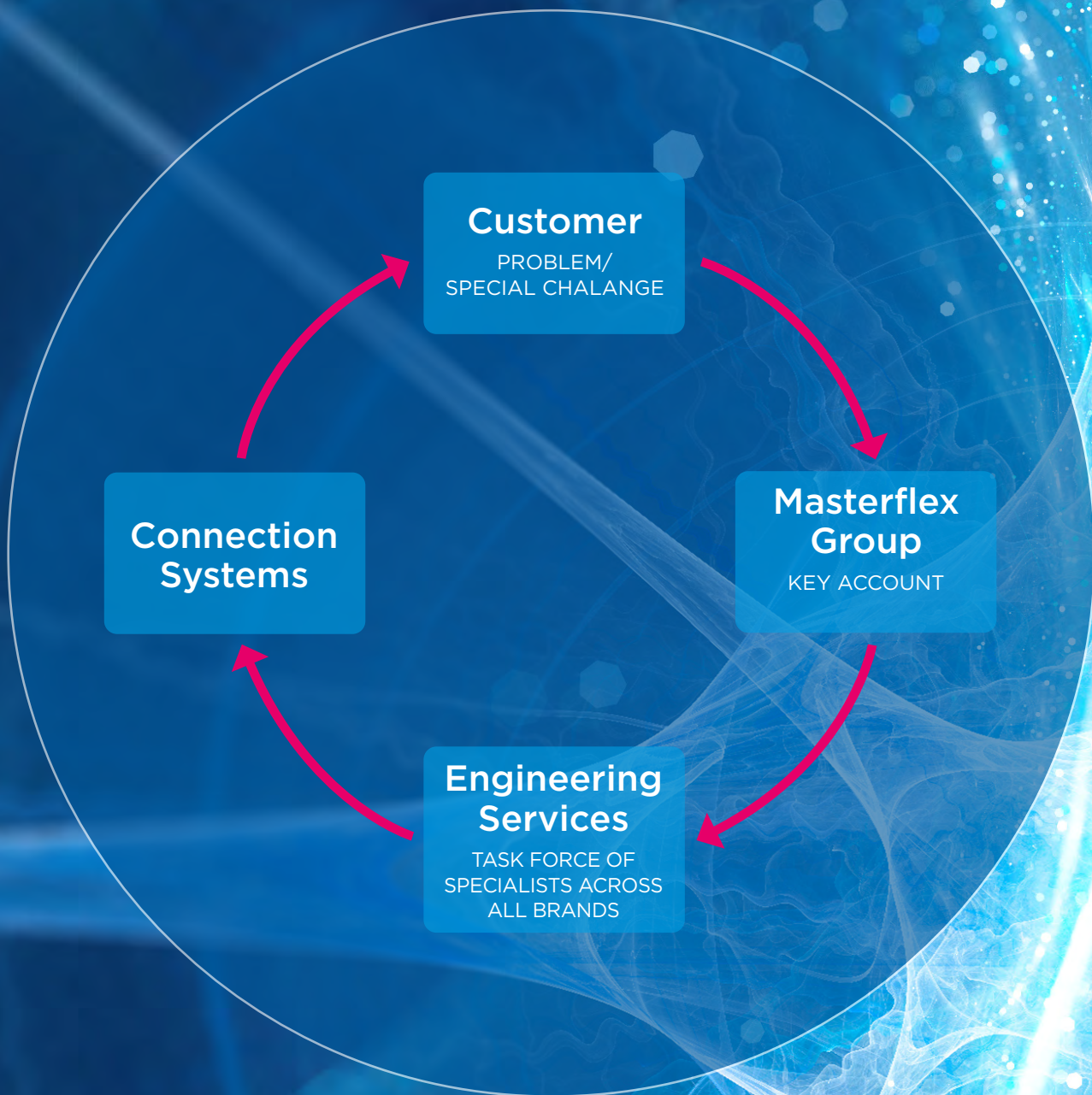
Applications

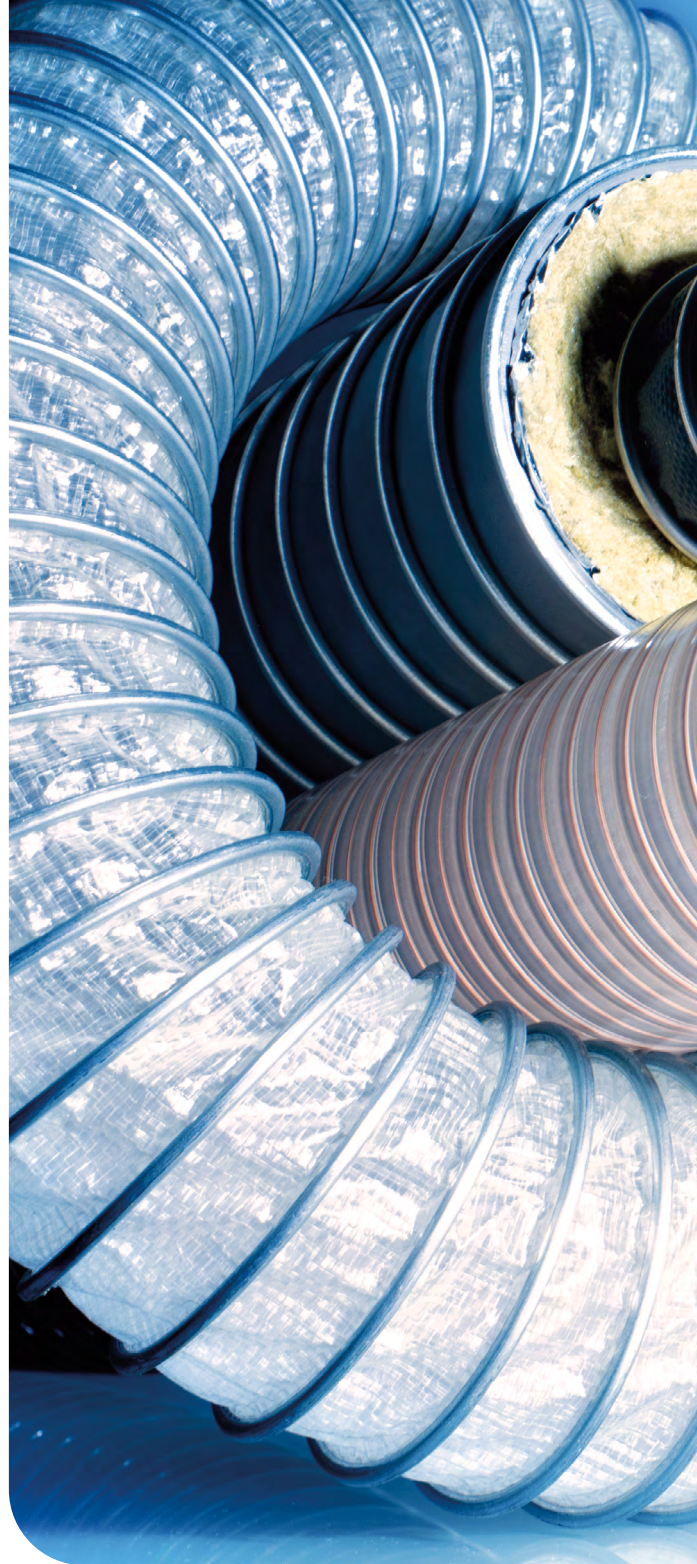
- Extension, coupling and connection of light to medium weight hoses

Available in:

DN 80/50 - DN 300/250

Not the right
among them? We
develop your product!
Take advantage of our engineering services.





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A MASTERFLEX GROUP COMPANY

 **MASTERFLEX**
Connecting Values