



Product Guide

High-Tech Hoses & Connection Systems



Five good reasons why you should be a Masterflex customer

About Masterflex

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

Masterflex – Connecting Values

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 & 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 & 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 & Services from Masterflex - we create values ...and connect them!](#)

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1

Abrasion-Proof Suction & Transport Hoses made from PU

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

Flamex B-Fse



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

Applications

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

Available in:

DN 40 - DN 400
 Colour: transparent
 Stock lengths: see internet
 max. Production lengths: 25 m dep. on DN
Temperature Range
 -40°C to +90°C
 peaks to +125°C

Flamex B-Fse CNC



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

Applications

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

Available in:

DN 200 - DN 400
 Colour: transparent
 Stock lengths: see website
 max. production length: 25m dep. DN
Temperature Range
 -40°C to +90°C
 peaks to +125°C

Flamex Bse



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

Applications

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

Available in:

DN 40 - DN 500
 Colour: transparent
 Stock lengths: 10m, dep. on DN
 max. Production lengths: 25 m dep. on DN
Temperature Range
 -40°C to +90°C
 peaks to +125°C

Abrasion-Proof Suction & Transport Hoses made from PU

Master-PUR L-F Trivolution



PU Suction & Transport Hose, very lightweight, permanent antistatic, surface resistance <math> < 10^9 </math> 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
- Protective hose against mechanical wear
- Oil mist extraction/suction
- Hardly inflammable acc. to DIN 4102 B1

Available in:

DN 40 - DN 400
 Colour: transparent
 Stock lengths: see Internet max. Production lengths: 25 m dep. on DN
Temperature Range
 -40°C to +90°C
 peaks to +125°C

Master-PUR L Trivolution



PU Suction & Transport Hose, highly flexible, permanent antistatic, surface resistance <math> < 10^9 </math> 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
 Colour: transparent
 Stock lengths: see Internet max. Production lengths: 25 m dep. on DN
Temperature Range
 -40°C to +90°C
 peaks to +125°C

Master-PUR H Trivolution



PU Suction & Transport Hose, flexible, permanent antistatic, surface resistance <math> < 10^9 </math> 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
 Colour: transparent
 Stock lengths: see Internet max. Production lengths: 25 m dep. on DN
Temperature Range
 -40°C to +90°C
 peaks to +125°C

Master-PUR HÜ Trivolution



PU Suction & Transport Hose, flexible, permanent antistatic, surface resistance <math> < 10^9 </math> Ohm, microbe-resistant, hardly inflammable

Applications

- Protective hose against mechanical wear
- Transport hose for greater requirements
- Specially designed for use in dry suction vehicles; light, flexible head hose
- Hardly inflammable acc. to DIN 4102 B1

Available in:

DN 100 - DN 150
 Colour: transparent
 Stock lengths: see Internet max. Production lengths: 25 m dep. on DN
Temperature Range
 -40°C to +90°C
 peaks to +125°C

Master-PUR HÜ-S Trivolution



PU Suction & Transport Hose, flexible, permanent antistatic, surface resistance <math> < 10^9 </math> Ohm, microbe-resistant, hardly inflammable

Applications

- Protective hose against mechanical wear
- Reinforced special hose for use on dry suction vehicles, medium-weight, flexible head hose
- Hardly inflammable acc. to DIN 4102 B1

Available in:

DN 100 - DN 150
 Colour: transparent
 Stock lengths: see Internet max. Production lengths: 25 m dep. on DN
Temperature Range
 -40°C to +90°C
 peaks to +125°C

Abrasion-Proof Suction & Transport Hoses made from PU

Master-PUR HX Trivolution



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

Applications

- Suction & 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
 Colour: transparent
 Stock lengths: see internet max. Production lengths: 20 m dep. on DN
Temperature Range
 -40°C to +90°C
 peaks to +125°C

Master-PUR HX-S



PU Suction & 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 50 - DN 150
 Colour: transparent
 Stock lengths: see internet max. Production lengths: 20 m dep. on DN
Temperature Range
 -40°C to +90°C
 peaks to +125°C

Master-PUR Performance



PU Suction & 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 200
 Colour: transparent
 Stock lengths: see internet max. Production lengths: 10 m dep. on DN
Temperature Range
 -40°C to +90°C
 peaks to +125°C

Cargoflex



PU Suction & Transport Hose, extremely abrasion/vacuum-resistant, flexible

Applications

- Suction/transport of highly abrasive goods, e.g. stone wool, gravel, stone, slag, mill scale, cement, glass splinters, sintered materials, materials from shipyards and docks.
- For highest standards of abrasion resistance and durability
- Suction & transport hose for the most extreme fields of application

Available in:

DN 100 - DN 250
 Colour: transparent
 Stock lengths: see internet max. Production lengths: 20 m dep. on DN
Temperature Range
 -40°C to +90°C
 peaks to +125°C

Master-PUR Inline



PU Suction & Transport Hose, extremely abrasion/vacuum-resistant, totally smooth inner lining, antistatic, 10^9 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 254
 Colour: transparent
 Stock lengths: see internet max. Production lengths: 10 m dep. on DN
Temperature Range
 -40°C to +90°C
 peaks to +125°C

Abrasion-Proof Suction & Transport Hoses made from PU

Polderflex PUR



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

Applications

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

Available in:

DN 32 - DN 150
Colour: transparent
Stock lengths: see internet max. Production lengths: 20 m dep. on DN

Temperature Range

-40°C to +90°C
peaks to +125°C

Master-PUR Flat H Food



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

TOP TIP:
Also available as L & HX versions

Applications

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

Available in:

DN 50 - DN 300
Colour: transparent
Stock lengths: see internet max. Production lengths: 5 m dep. on DN

Temperature Range

-40°C to +90°C
peaks to +125°C

Master-PUR STEP



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

Applications

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

Available in:

DN 50 - DN 160
Colour: hose wall transparent with blue spiral/helix
Stock lengths: see internet max. Production lengths: 25 m dep. on DN

Temperature Range

-40°C to +90°C
peaks to +125°C

Miniflex PU



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

TOP TIP:
Also available as PVC & TPVse versions

Applications

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

Available in:

DN 7 - DN 50
Colour: blue, RAL5015
Stock lengths: see internet max. Production lengths: 50 m dep. on DN

Temperature Range

-40°C to +90°C
peaks to +125°C

2



Suction & Transport Hoses
made from PVC & EVA

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

Master-PVC L-F



PVC Film Hose,
light duty,
highly flexible

Applications

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

Order-specific production in:

DN 20 - DN 400
 Colour: grey
 Stock lengths: see internet
 max. Production lengths:
 25 m dep. on DN
Temperature Range
 -20°C to +70°C
 peaks to +80°C

Master-PVC L-F EL



PVC Film Hose,
light duty,
highly flexible,
electroconductive,
< 10⁶ Ohm

Applications

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

Available in:

DN 50 - DN 300
 Colour: black
 Stock lengths: see internet
 max. Production lengths:
 25 m dep. on DN
Temperature Range
 -20°C to +70°C
 peaks to +80°C

Master PVC-L



PVC Suction &
Transport Hose,
light duty,
highly flexible

Applications

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

Available in:

DN 38 - DN 500
 Colour: grey
 Stock lengths: see internet
 max. Production lengths:
 25 m dep. on DN
Temperature Range
 -20°C to +70°C
 peaks to +80°C

Suction & Transport Hoses made from PVC & EVA

Master-PVC H-F



PVC Film Hose, medium duty, flexible

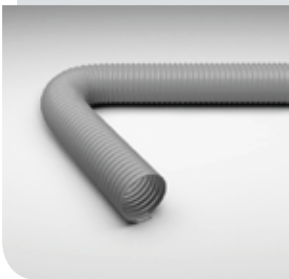
Applications

- 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

Order-specific production in:

DN 20 - DN 500
Colour: grey
max. Production lengths: 25 m dep. on DN
Temperature Range
-20°C to +70°C
peaks to +80°C

Master-PVC H



PVC Suction & 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
Colour: grey
max. Production lengths: 25 m dep. on DN
Temperature Range
-20°C to +70°C
peaks to +80°C

Master-PVC Flex



PVC Suction & 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 & air-conditioning systems, boat & caravan manufacturing, machine manufacturing, construction drying, textile industry, vacuum cleaners, welding fume extraction

Available in:

DN 25 - DN 102
Colour: black
Stock lengths: see internet
max. Production lengths: 15 m dep. on DN
Temperature Range
0°C to +70°C
peaks to +85°C

Master-VAC



PE-EVA Suction & 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
Colour: black
Stock lengths: see internet
max. Production lengths: 30 m dep. on DN
Temperature Range
-40°C to +60°C
peaks to +70°C

Polderflex-PVC



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

Applications

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

Available in:

DN 12 - DN 152
Colour: transparent
Stock lengths: see internet
max. Production lengths: 50 m dep. on DN
Temperature Range
-20°C to +70°C
peaks to +80°C

3



Microbe & Hydrolysis Resistant Hoses

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

Master-PUR L Trivolution



PU Suction & Transport Hose, very lightweight, permanent 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
 Colour: transparent
 Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
 -40°C to +90°C
 peaks to +125°C

Master-PUR H Trivolution



PU Suction & 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
 Colour: transparent
 Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
 -40°C to +90°C
 peaks to +125°C

Master-PUR STEP MHR



PU Film Hose, crush-resistant, microbe & 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
 Colour: wall transparent with black spiral/helix
 Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
 -40°C to +90°C
 peaks to +125°C

Microbe & Hydrolysis Resistant Hoses

Master-PUR L-MHR



PU Suction & Transport Hose, flexible, microbe & hydrolysis resistant, hardly inflammable acc. to DIN 4102 B1

Applications

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

Order-specific production in:

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

Master-PUR H-MHR



PU Suction & Transport Hose medium duty, flexible, microbe & 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

Order-specific production in:

DN 16 - DN 500
 Colour: transparent
 max. Production lengths: 25 m dep. on DN
Temperature Range
 -40°C to +90°C
 peaks to +125°C

Streetmaster GKS



PU Suction Hose for large street-cleaner vehicles, highly abrasion, vacuum & 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
 Colour: black
 Stock lengths: see internet max. Production lengths: 20 m dep. on DN
Temperature Range
 -40°C to +90°C
 peaks to +125°C

Streetmaster KKS



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

Applications

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

Available in:

DN 200
 Colour: black/transparent
 Stock lengths: see internet max. Production lengths: 20 m dep. on DN
Temperature Range
 -40°C to +90°C
 peaks to +125°C

Streetmaster GLG



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

Applications

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

Available in:

DN 400
 Colour: black
 Stock lengths: see internet max. Production lengths: 20 m dep. on DN
Temperature Range
 -40°C to +90°C
 peaks to +125°C



Food & Pharmaceutical Hoses

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

Master-PUR L-F Food



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

Applications

Suction & transport hose for the

- Food industry
- Pharmaceuticals industry
- Chemicals industry

Available in:

DN 40 - DN 400
Colour: transparent
Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
-40°C to +90°C
peaks to +125°C

Master-PUR L-F Food A



PU Suction & Transport Hose, super lightweight, extremely flexible, Food-grade quality (FDA/ EU 10/2011), permanent antistatic, surface resistance <math>< 10^9 \text{ Ohm}</math>

Applications

Suction & transport hose for the

- Food industry
- Pharmaceuticals industry
- Chemicals industry

Available in:

DN 40 - DN 400
Colour: transparent
Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
-40°C to +90°C
peaks to +125°C

Master-PUR L Food



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

Applications

Certified suction & transport hose for solids & liquids in the

- Food industry
- Pharmaceuticals industry
- Chemicals industry

Available in:

DN 32 - DN 203
Colour: transparent
Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
-40°C to +90°C
peaks to +125°C

Food & Pharmaceutical Hoses

Master-PUR L Food A



PU Suction & Transport Hose, lightweight, highly flexible, food-grade quality acc. to EU 10/2011 and FDA, permanent antistatic, surface resistance <math>< 10^9 \text{ Ohm}</math>

Applications

Certified suction & transport hose for solids & liquids in the

- Food industry
- Pharmaceuticals industry
- Chemicals industry

Available in:

DN 32 - DN 203
Colour: transparent
Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
-40°C to +90°C
peaks to +125°C

Master-PUR L Food A Multi



PU Suction & Transport Hose, lightweight, highly flexible, food-grade quality acc. to EU 10/2011 and FDA, permanent antistatic, surface resistance <math>< 10^9 \text{ Ohm}</math>

Applications

Certified suction & transport hose for solids & liquids in the

- Food industry
- Pharmaceuticals industry
- Chemicals industry

Approved for food-grade categories: A, B, C, D1, D2, E (contact durations acc. to Test Report)

Available in:

DN 32 - DN 203
Colour: transparent
Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
-40°C to +90°C
peaks to +125°C

Master-PUR H Food



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

Applications

Certified suction & transport hose for solids & liquids in the

- Food industry
- Pharmaceuticals industry
- Chemicals industry

Available in:

DN 20 - DN 203
Colour: transparent
Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
-40°C to +90°C
peaks to +125°C

Master-PUR H Food A



PU Suction & Transport Hose, medium duty, very flexible, Food-grade quality (FDA/ EU 10/2011), permanent antistatic, surface resistance <math>< 10^9 \text{ Ohm}</math>

Applications

Certified suction & transport hose for solids & liquids in the

- Food industry
- Pharmaceuticals industry
- Chemicals industry

Available in:

DN 20 - DN 203
Colour: transparent
Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
-40°C to +90°C
peaks to +125°C

Master-PUR H Food A Multi



PU Suction & Transport Hose, medium duty, very flexible, Food-grade quality (FDA/ EU 10/2011), permanent antistatic, surface resistance <math>< 10^9 \text{ Ohm}</math>

Applications

Certified suction & transport hose for solids & liquids in the

- Food industry
- Pharmaceuticals industry
- Chemicals industry

Approved for food-grade categories: A, B, C, D1, D2, E (contact durations acc. to Test Report)

Available in:

DN 20 - DN 203
Colour: transparent
Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
-40°C to +90°C
peaks to +125°C

Food & Pharmaceutical Hoses

Master-PUR HX Food



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

Applications

Certified suction & transport hose for solids & liquids in the

- Food industry
- Pharmaceuticals industry
- Chemicals industry

Available in:

DN 32 - DN 152
Colour: transparent
Stock lengths: see internet max. Production lengths: 20 m dep. on DN
Temperature Range
-40°C to +90°C
peaks to +125°C

Master-PUR HX Food A



PU Suction & Transport Hose, heavy duty, flexible, Food-grade quality (FDA/ EU 10/2011), permanent antistatic, surface resistance <math>< 10^9</math> Ohm

Applications

Certified suction & transport hose for solids & liquids in the

- Food industry
- Pharmaceuticals industry
- Chemicals industry

Available in:

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

Master-PUR HX Food A Multi



PU Suction & Transport Hose, heavy duty, flexible, Food-grade quality (FDA/ EU 10/2011), permanent antistatic, surface resistance <math>< 10^9</math> Ohm

Applications

Certified suction & transport hose for solids & liquids in the

- Food industry
- Pharmaceuticals industry
- Chemicals industry

Approved for food-grade categories: A, B, C, D1, D2, E (contact durations acc. to Test Report)

Available in:

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

Polderflex PUR Food



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

Applications

Certified suction & transport hose for solids & liquids in the

- Food industry
- Pharmaceuticals industry
- Chemicals industry

Available in:

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

Polderflex PUR Food A



PU Suction & Transport Hose, extremely pressure/vacuum-proof, smooth inner & outer linings, permanent antistatic, surface resistance <math>< 10^9</math> Ohm, Food-grade quality (FDA/ EU 10/2011)

Applications

Certified suction & transport hose for solids & liquids in the

- Food industry
- Pharmaceuticals industry
- Chemicals industry

Available in:

DN 32 - DN 152
Colour: transparent
Stock lengths: see internet max. Production lengths: 20 m dep. on DN
Temperature Range
-40°C to +90°C
peaks to +125°C

Food & Pharmaceutical Hoses

Polderflex PUR Food A Multi



PU Suction & Transport Hose, extremely pressure/vacuum-proof, smooth inner & outer linings, permanent antistatic, surface resistance <math>< 10^9 \text{ Ohm}</math>, Food-grade quality (FDA/ EU 10/2011)

Applications

Certified suction & transport hose for solids & liquids in the

- Food industry
- Pharmaceuticals industry
- Chemicals industry

Approved for food-grade categories: A, B, C, D1, D2, E (contact durations acc. to Test Report)

Available in:

DN 32 - DN 152
Colour: transparent
Stock lengths: see internet
max. Production lengths: 20 m dep. on DN

Temperature Range

-40°C to +90°C
peaks to +125°C

Master-PUR Flat H Food



Spiral-Free PU Transport Hose, medium duty, Food-grade quality (FDA/ EU 10/2011)

TOP TIP:
Also available as L and HX version

Applications

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

Available in:

DN 50 - DN 300
Colour: transparent
Stock lengths: see internet
max. Production lengths: 5 m dep. on DN

Temperature Range

-40°C to +90°C
peaks to +125°C

Master-SIL SD Food



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 industrye
- Machine development for cosmetic products
- Phamaceuticals industry
- Chemicals industry

Available in:

DN 10 - DN 102
Colour: transparent
Stock lengths: see internet
max. Production lengths: 20 m dep. on DN

Temperature Range

-60°C to +200°C

Master-SIL HD 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 industrye
- Machine development for cosmetic products
- Phamaceuticals industry
- Chemicals industry

Available in:

DN 10 - DN 100
Colour: transparent
Stock lengths: see internet
max. Production lengths: 20 m dep. on DN

Temperature Range

-60°C to +200°C

5



Antistatic & Electroconductive Hoses

For preventing danger of ignition through electrostatic charges

Master-PUR L Trivolution



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

Applications

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

Available in:

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

Master-PUR L-EL



PU Suction & 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 & textile fibres
- Suction & transport hose for abrasive solids, liquids and gases
- Oil mist extraction/suction
- Protective hose against mechanical wear
- Danger zones, which require electrically conductive hoses

Available in:

DN 25 - DN 500
Colour: black
Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
-40°C to +90°C
peaks to +125°C

Master-PUR L-MHR A



PU Suction & Transport Hose, light duty, highly flexible, microbe & hydrolysis-resistant, permanent antistatic, surface resistance $< 10^9$ Ohm

Applications

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

Available in:

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

Antistatic & Electroconductive Hoses

Master-PUR H Trivolution



PU Suction & Transport Hose, flexible, permanent antistatic, surface resistance <math>< 10^9</math> 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
Colour: transparent
Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
-40°C to +90°C
peaks to +125°C

Master-PUR H-EL



PU Suction & Transport Hose, medium duty, very flexible, electroconductive, surface resistance <math>< 10^3</math> 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
Colour: black
Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
-40°C to +90°C
peaks to +125°C

Master-PUR H-MHR A



PU Suction & Transport Hose, medium duty, very flexible, microbe & hydrolysis-resistant, permanent antistatic, surface resistance <math>< 10^9</math> Ohm

Applications

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

Available in:

DN 16 - DN 500
Colour: transparent
Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
-40°C to +90°C
peaks to +125°C

Master-PUR HX Trivolution



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

Applications

- Suction & 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
Colour: transparent
Stock lengths: see internet max. Production lengths: 20 m dep. on DN
Temperature Range
-40°C to +90°C
peaks to +125°C

Master-PUR HX-EL



PU Suction & Transport Hose, flexible, highly abrasion/vacuum-proof, electroconductive, surface resistance <math>< 10^3</math> 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
Colour: black
Stock lengths: see internet max. Production lengths: 20 m dep. on DN
Temperature Range
-40°C to +90°C
peaks to +125°C

Antistatic & Electroconductive Hoses

Master-PUR Performance



PU Suction & Transport Hose, extremely abrasion/vacuum-resistant, totally smooth inner lining, permanent antistatic, <math>< 10^9 \text{ Ohm}</math>, microbe-resistant

Totally smooth,
totally abrasion-resistant,
totally flexible

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
- Transport hose for glass works, steelworks, quarries, shipyards, docks, flat-roof gravelling, etc.

Available in:

DN 38 - DN 200
Colour: transparent
Stock lengths: see internet max. Production lengths: 10 m dep. on DN
Temperature Range
-40°C to +90°C
peaks to +125°C

Master-PE L-F 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 & air conditioning

Available in:

DN 40 - DN 600
Colour: black
Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
-40°C to +60°C
peaks to +80°C

Master-PE L-EL



PE Suction & Transport Hose, lightweight, highly flexible, electroconductive, surface resistance $\leq 10^4 \text{ Ohm}$

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
Colour: black
Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
-35°C to +80°C
peaks to +120°C

Master-PVC L-F EL



PVC Film Hose, lightweight, highly flexible, electroconductive, surface resistance <math>< 10^6 \text{ Ohm}</math>

Applications

- Chemicals industry
- Apparatus construction
- Suction & 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
Colour: black
Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
-20°C to +70°C
peaks to +80°C

Master-Clip VINYL EL



Suction & Blower Hose made from PVC-coated polyester fabric, antistatic, surface resistance <math>< 10^6 \text{ Ohm}</math>

Applications

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

Order-specific production in:

DN 50 - DN 900
Colour: black
Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
-20°C to +70°C
peaks to +80°C

Antistatic & Electroconductive Hoses

Master-Clip VITON[®] EL



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

Order-specific production in:

DN 38 - DN 900
 Colour: black
 Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
 -25°C to +210°C
 peaks to +240°C

Master-Clip PTFE EL



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

Order-specific production in:

DN 55 - DN 900
 Colour: black
 Stock lengths: see internet max. Production lengths: 10 m dep. on DN
Temperature Range
 -150°C to +280°C
 peaks to +300°C

Master-Clip PTFE H-EL



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

Applications

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

Order-specific production in:

DN 38 - DN 900
 Colour: black
 Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
 -40°C to +175°C
 peaks to +190°C

Master-Clip PTFE S-EL



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

Applications

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

Order-specific production in:

DN 50 - DN 900
 Colour: black
 Stock lengths: see internet max. Production lengths: 10 m dep. on DN
Temperature Range
 -70°C to +250°C
 peaks to +270°C

Master-VAC EL



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

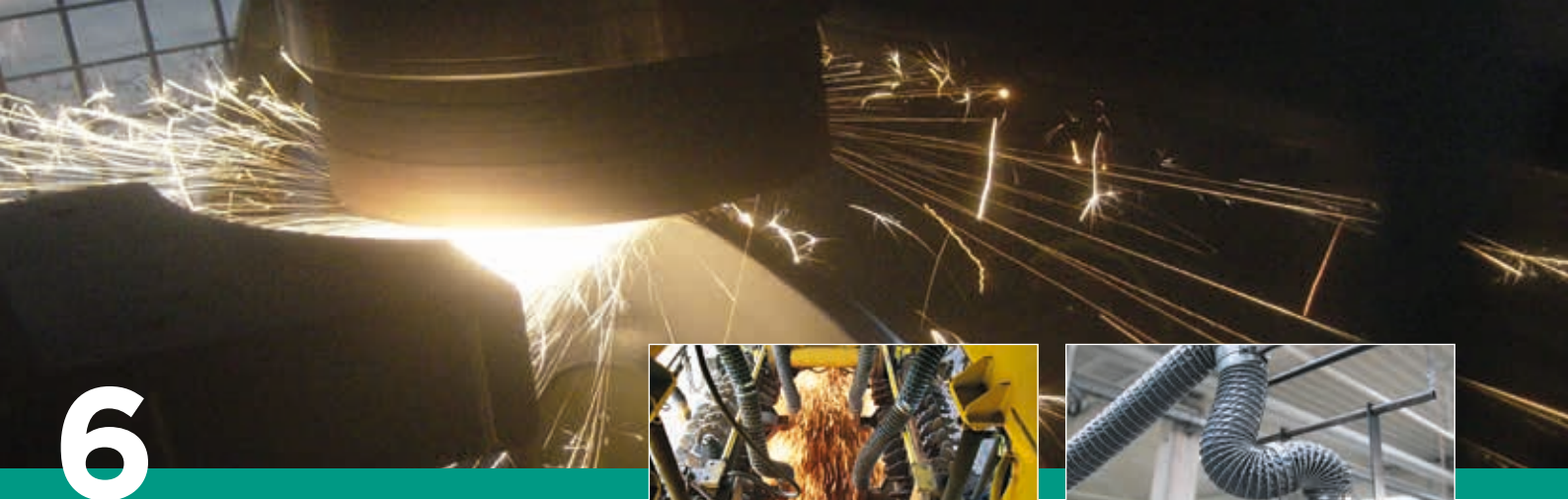
Applications

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

Available in:

DN 25 - DN 50
 Colour: black
 Stock lengths: see internet max. Production lengths: 20 m dep. on DN
Temperature Range
 -40°C to +60°C
 peaks to +70°C

6



Air-Conditioning, Ventilation & Welding Fumes Hoses

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

Master-Clip VINYL



Suction & Blower
Hose made from
PVC foil/film

Applications

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

Order-specific production in:

DN 40 - DN 900

Colour: grey

Stock lengths: see internet

max. Production lengths:

25 m dep. on DN

Temperature Range

-20°C to +70°C

peaks to +80°C

Master-Clip VINYL B



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

Applications

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

Order-specific production in:

DN 40 - DN 900

Colour: grey

Stock lengths: see internet

max. Production lengths:

25 m dep. on DN

Temperature Range

-20°C to +70°C

peaks to +80°C

Master-Clip PE



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

Applications

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

Order-specific production in:

DN 40 - DN 900

Colour: white

Stock lengths: see internet

max. Production lengths:

25 m dep. on DN

Temperature Range

-40°C to +85°C

peaks to +95°C

Air-Conditioning, Ventilation & Welding Fumes Hoses

Master-Clip PUR



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

Applications

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

Order-specific production in:

DN 40 - DN 900
Colour: transparent
Stock lengths: see internet max. Production lengths: 15 m dep. on DN

Temperature Range

-40°C to +90°C
peaks to +125°C

Master-Clip PUR-S



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

Applications

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

Order-specific production in:

DN 50 - DN 900
Colour: transparent
Stock lengths: see internet max. Production lengths: 15 m dep. on 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 & ventilation systems
- Air supply and extraction
- Tent heating
- Solder fume extraction
- Low pressure range
- Extractor units

Order-specific production in:

DN 40 - DN 900
Colour: dary fgrey
Stock lengths: see internet max. Production lengths: 15 m dep. on 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

Order-specific production in:

DN 50 - DN 900
Colour: black
Stock lengths: see internet max. Production lengths: 15 m dep. on DN

Temperature Range

-40°C to +200°C
peaks to +280°C

Master-VENT 2



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

Applications

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

Available in:

DN 51 - DN 610
Colour: grey
Stock lengths: see internet max. Production lengths: 10 m dep. on 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 & diesel engine exhaust fumes
- All conventional exhaust systems, such as:
 - Exhaust Hose Reel
 - Suction Rail System
 - Upper/Lower Floor Systems
 - Stationary Systems

Available in:

DN 25 - DN 200
 Colour: black
 Stock lengths: see internet
 max. Production lengths:
 25 m dep. on DN
Temperature Range
 to +200 °C with appropriate use of exhaust regulators and sufficient air supply (approx. 50%)

Carflex 200



Exhaust gas hose for exhaust fumes/gases up to +200 °C

Applications

- Suction/extraction of engine exhaust fumes up to max. +200 °C
- All conventional exhaust systems, such as:
 - Exhaust Hose Reel
 - Suction Rail System
 - Upper/Lower Floor Systems
 - Stationary Systems
- Light to medium wear during extraction of petrol & diesel engine exhaust fumes

Order-specific production in:

DN 63 - DN 200
 Colour: wall black, spiral/helix blue
 Stock lengths: see internet
 max. Production lengths:
 25 m dep. on DN
Temperature Range
 to +200 °C with appropriate use of exhaust regulators and sufficient air supply (approx. 50%)

Carflex 300



Exhaust gas hose for exhaust fumes/gases up to +300 °C

Applications

- All conventional exhaust systems, such as:
 - Exhaust Hose Reel
 - Suction Rail System
 - Upper/Lower Floor Systems
 - Stationary Systems
- Medium to high wear during extraction of petrol and diesel engine exhaust fumes, esp. heavy-duty & construction vehicles
- Suction/extraction of engine exhaust fumes up to max. +300 °C

Order-specific production in:

DN 63 - DN 200
 Colour: inner lining silver-grey, wall green-grey, spiral/helix red
 Stock lengths: see internet
 max. Production lengths:
 25 m dep. on DN
Temperature Range
 to +300 °C with appropriate use of exhaust regulators and sufficient air supply (approx. 50%)

Exhaust Gas Hoses

Master-Clip HT 300



Medium & 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

Order-specific production in:

DN 50 - DN 900
 Colour: grey
 Stock lengths: see internet max. Production lengths: 15 m dep. on DN
Temperature Range
 -20°C to +300°C
 peaks to +350°C

Master-Clip CAR



Medium & high temperature hose up to +300 °C

Applications

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

Order-specific production in:

DN 38 - DN 900
 Colour: inner lining silver-grey, outer lining green-grey
 Stock lengths: see internet max. Production lengths: 20 m dep. on DN
Temperature Range
 -60°C to +300°C
 peaks to +350°C

Master-Clip ISO-CAR



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

Applications

- Diesel engine test-benches with higher extraction performance
- Machine manufacturing
- Automotive manufacturing
- Low pressure range
- Extractor units
- Hot air
- Smoke extractors
- Defence systems
- Aircraft manufacturing

Order-specific production in:

DN 38 - DN 900
 Colour: inner lining silver-grey, outer lining green-grey
 Stock lengths: see internet max. Production lengths: 20 m dep. on DN
Temperature Range
 -60°C to +300°C
 peaks to +350°C

Master-Clip KAPTON®



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

Applications

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

Order-specific production in:

DN 50 - DN 900
 Colour: outer lining white, inner lining yellow/gold
 Stock lengths: see internet max. Production lengths: 15 m dep. on DN
Temperature Range
 -260°C to +400°C

Master-Clip HT 450



Exhaust gas hose for exhaust fumes/gases up to +450 °C, double-layered

Applications

- Diesel engine test-benches with higher extraction performance
- Machine manufacturing
- Automotive manufacturing
- Low pressure range
- Extractor units
- Hot air
- Smoke extractors
- Defence systems
- Aircraft manufacturing

Order-specific production in:

DN 50 - DN 900
 Colour: silver-grey
 Stock lengths: see internet max. Production lengths: 15 m dep. on DN
Temperature Range
 -20°C to +450°C
 peaks to +500°C

Exhaust Gas Hoses

Master-Clip HT 650



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

Applications

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

Order-specific production in:

DN 50 - DN 900
Colour: silver-grey
Stock lengths: see internet max. Production lengths: 15 m dep. on DN

Temperature Range

-20°C to +650°C
peaks to +750°C

Master-Clip HT 1100



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

Applications

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

Order-specific production in:

DN 75 - DN 900
Colour: silver-grey
Stock lengths: see internet max. Production lengths: 15 m dep. on DN

Temperature Range

-20°C to +1100°C



Temperature-Resistant Hoses up to +1.100 °C

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

Master-Clip NEOPRENE



Medium & high
temperature hose
up to +125 °C

Applications

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

Order-specific production in:

DN 38 - DN 900

Colour: black

Stock lengths: see internet

max. Production lengths:

25 m dep. on DN

Temperature Range

-35°C to +125°C

peaks to +150°C

Master-SANTO SL



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

Applications

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

Available in:

DN 25 - DN 400

Colour: fabric black,
spiral/helix grey

Stock lengths: see internet

max. Production lengths:

25 m dep. on DN

Temperature Range

-40°C to +130°C

peaks to +150°C

Master-SANTO L



TPV Suction &
Transport Hose,
lightweight, for
increased temperatures

Applications

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

Available in:

DN 25 - DN 500

Colour: black

Stock lengths: see internet

max. Production lengths:

25 m dep. on DN

Temperature Range

-40°C to +130°C

peaks to +150°C

Temperature-Resistant Hoses up to +1.100 °C

Master-SANTO H



TPV Suction & Transport Hose, medium duty, for increased temperatures

Applications

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

Available in:

DN 25 - DN 500
 Colour: black
 Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
 -40°C to +125°C
 peaks to +150°C

Master-NEO 1



Medium & high temperature hose up to + 135 °C

Applications

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

Available in:

DN 13 - DN 305
 Colour: black
 Stock lengths: see internet max. Production lengths: 4 m dep. on DN
Temperature Range
 -35°C to +135°C
 peaks -55°C to +150°C

Master-NEO 2



Medium & high temperature hose up to + 135 °C, double-layered

Applications

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

Available in:

DN 13 - DN 305
 Colour: black
 Stock lengths: see internet max. Production lengths: 4 m dep. on DN
Temperature Range
 -35°C to +135°C
 peaks -55°C to +150°C

Master-Clip HYPALON®



Medium & high temperature hose up to +175 °C

Applications

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

Order-specific production in:

DN 38 - DN 900
 Colour: outer lining black, inner lining green
 Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
 -40°C to +175°C
 peaks to +190°C

Master-Clip VITON®



Medium & high temperature hose up to +210 °C

Applications

- Paint mist extraction
- Suction/extraction of aggressive media in medium temperature range
- Low pressure range
- Chemicals industry

Order-specific production in:

DN 38 - DN 900
 Colour: outer lining red, inner lining black
 Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
 -25°C to +210°C
 peaks to +240°C

Temperature-Resistant Hoses up to +1.100 °C

Master-SIL 1



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

Applications

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

Available in:

DN 13 - DN 305
 Colour: red
 Stock lengths: see internet max. Production lengths: 4 m dep. on DN
Temperature Range
 -70°C to +250°C
 peaks -85°C to +300°C

Master-SIL 2



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

Available in:

DN 13 - DN 305
 Colour: red
 Stock lengths: see internet max. Production lengths: 4 m dep. on DN
Temperature Range
 -70°C to +250°C
 peaks -85°C to +300°C

Master-Clip SILICON



Medium & high temperature hose up to +300 °C

Applications

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

Order-specific production in:

DN 40 - DN 900
 Colour: grey
 Stock lengths: see internet max. Production lengths: 15 m dep. on DN
Temperature Range
 -60°C to +300°C
 peaks to +350°C

Master-Clip ISO-SILICON



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

Applications

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

Order-specific production in:

DN 40 - DN 900
 Colour: grey
 Stock lengths: see internet max. Production lengths: 15 m dep. on DN
Temperature Range
 -60°C to +300°C
 peaks to +350°C

Master-Clip HT 300



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

Applications

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

Order-specific production in:

DN 50 - DN 900
 Colour: grey
 Stock lengths: see internet max. Production lengths: 15 m dep. on DN
Temperature Range
 -20°C to +300°C
 peaks to +350°C

- + silicone-free
- + highly flexible
- + super lightweight

Temperature-Resistant Hoses up to +1.100 °C

Master-Clip CAR



Medium & high temperature hose up to +300 °C

Applications

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

Order-specific production in:

DN 38 - DN 900
Colour: inner lining silver-grey, outer lining green-grey
Stock lengths: see internet max. Production lengths:

20 m dep. on DN

Temperature Range

-60°C to +300°C
peaks to +350°C

Master-Clip ISO-CAR



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

Applications

- Diesel engine test-benches with higher extraction performance
- Machine manufacturing
- Automotive manufacturing
- Low pressure range
- Extractor units
- Hot air
- Smoke extractors
- Defence systems
- Aircraft manufacturing

Order-specific production in:

DN 38 - DN 900
Colour: inner lining silver-grey, outer lining green-grey
Stock lengths: see internet max. Production lengths:

20 m dep. on DN

Temperature Range

-60°C to +300°C
peaks to +350°C

Master-Clip HT 400



Medium & high temperature hose up to +400 °C

Applications

- Oven manufacturing
- Heat protection
- Mining & 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

Order-specific production in:

DN 38 - DN 900
Colour: silver-grey
Stock lengths: see internet max. Production lengths:

20 m dep. on DN

Temperature Range

-20°C to +400°C
peaks to +450°C

Master-Clip KAPTON®



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

Applications

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

Order-specific production in:

DN 50 - DN 900
Colour: outer lining white, inner lining yellow/gold
Stock lengths: see internet max. Production lengths:

15 m dep. on DN

Temperature Range

-260°C to +400°C

Master-Clip HT 450



Exhaust gas hose for exhaust fumes/gases up to +450 °C, double-layered

Applications

- Diesel engine test-benches with higher extraction performance
- Machine manufacturing
- Automotive manufacturing
- Low pressure range
- Extractor units
- Hot air
- Smoke extractors
- Defence systems
- Aircraft manufacturing

Order-specific production in:

DN 50 - DN 900
Colour: silver-grey
Stock lengths: see internet max. Production lengths:

15 m dep. on 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 & high temperature hose up to +500 °C



Applications

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

Order-specific production in:

DN 75 - DN 900
Colour: inner lining silver, outer lining red
Stock lengths: see internet max. Production lengths:

10 m dep. on DN

Temperature Range

-20°C bis +500°C
kurzzeitig bis +550°C

Master-Clip HTP 500

Medium & high temperature hose up to +500 °C



Applications

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

Order-specific production in:

DN 80 - DN 300
Colour: inner lining white, outer lining black
Stock lengths: see internet max. Production lengths:

3 m dep. on DN

Temperature Range

-20°C bis +500°C

Master-Clip HT 650

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



Applications

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

Order-specific production in:

DN 50 - DN 900
Colour: silver-grey
Stock lengths: see internet max. Production lengths:

15 m dep. on DN

Temperature Range

-20°C to +650°C
peaks to +750°C

Master-Clip HT 1100

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



Applications

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

Order-specific production in:

DN 75 - DN 900
Colour: silver-grey
Stock lengths: see internet max. Production lengths:

15 m dep. on DN

Temperature Range

-20°C to +1100°C



Chemical-Resistant Hoses

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

Master-PE L-F 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 & air conditioning

Available in:

DN 40 - DN 600
 Colour: black
 Stock lengths: see internet
 max. Production lengths: 25 m dep. on DN
Temperature Range
 -40°C to +60°C
 peaks to +80°C

Master-PE L-EL



PE Suction & 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
 Colour: black
 Stock lengths: see internet
 max. Production lengths: 25 m dep. on DN
Temperature Range
 -35°C to +80°C
 peaks to +120°C

Master-Clip VINYL EL



Suction & 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 & conveyance of aggressive media, explosive gases & fumes
- Air supply & extraction in explosion-protected areas
- For greater mechanical demands
- Low pressure range
- Extractor units

Order-specific production in:

DN 50 - DN 900
 Colour: black
 Stock lengths: see internet
 max. Production lengths: 20 m dep. on DN
Temperature Range
 -20°C to +70°C
 peaks to +80°C

Chemical-Resistant Hoses

Master-Clip NEOPRENE



Medium & high temperature hose up to +125 °C

Applications

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

Order-specific production in:

DN 38 - DN 900
 Colour: black
 Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
 -35°C to +125°C
 peaks to +150°C

Master-Clip HYPALON[®]



Medium & high temperature hose up to +175 °C

Applications

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

Order-specific production in:

DN 38 - DN 900
 Colour: outer lining black, inner lining green
 Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
 -40°C to +175°C
 peaks to +190°C

Master-Clip VITON[®]



Medium & high temperature hose up to +210 °C

Applications

- Paint mist extraction
- Suction/extraction of aggressive media in medium temperature range
- Low pressure range
- Chemicals industry

Order-specific production in:

DN 38 - DN 900
 Colour: outer lining red, inner lining black
 Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
 -25°C to +210°C
 peaks to +240°C

Master-Clip VITON[®] EL



Suction & 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

Order-specific production in:

DN 38 - DN 900
 Colour: black
 Stock lengths: see internet max. Production lengths: 25 m dep. on DN
Temperature Range
 -25°C to +210°C
 peaks to +240°C

Master-Clip PTFE



Suction & 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

Order-specific production in:

DN 40 - DN 900
 Stock lengths: see internet max. Production lengths: 20 m dep. on DN
Temperature Range
 -150°C to +250°C
 peaks to +270°C

Chemical-Resistant Hoses

Master-Clip PTFE EL



Suction & Blower Hose for corrosive media up to +280 °C, electroconductive, surface resistance <math>< 10^6 \text{ Ohm}</math>

Applications

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

Order-specific production in:

DN 55 - DN 900
Colour: black
Stock lengths: see internet max. Production lengths:

10 m dep. on DN

Temperature Range

-150°C to +280°C
peaks to +300°C

Master-Clip PTFE H



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

Applications

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

Order-specific production in:

DN 38 - DN 900
Colour: inner lining white, outer lining black
Stock lengths: see internet max. Production lengths:

25 m dep. on DN

Temperature Range

-40°C to +175°C
peaks to +190°C

Master-Clip PTFE H-EL



Suction & Blower Hose for corrosive media up to +175 °C, electroconductive, surface resistance <math>< 10^6 \text{ Ohm}</math>

Applications

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

Order-specific production in:

DN 38 - DN 900
Colour: black
Stock lengths: see internet max. Production lengths:

20 m dep. on DN

Temperature Range

-40°C to +175°C
peaks to +190°C

Master-Clip PTFE S



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

Applications

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

Order-specific production in:

DN 50 - DN 900
Colour: inner lining white, outer lining black
Stock lengths: see internet max. Production lengths:

10 m dep. on DN

Temperature Range

-70°C to +250°C
peaks to +270°C

Master-Clip PTFE S-EL



Suction & Blower Hose for corrosive media up to +250 °C, electroconductive, surface resistance <math>< 10^6 \text{ Ohm}</math>

Applications

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

Order-specific production in:

DN 50 - DN 900
Colour: black
Stock lengths: see internet max. Production lengths:

10 m dep. on DN

Temperature Range

-70°C to +250°C
peaks to +270°C

Chemical-Resistant Hoses

Master-Clip KAPTON®



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

Applications

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

Order-specific production in:

DN 50 - DN 900

Colour: outer lining white, inner lining yellow/gold

Stock lengths: see internet

max. Production lengths:

15 m dep. on DN

Temperature Range

-260°C to +400°C

10



Custom-Designed Clip Hoses

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

Thermo & Insulating Hoses



Multi-layered hose combinations with specially adapted insulated hoses

Applications

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

Order-specific production in:

DN: on request
Production lengths: up to 5m
Temperature Range
dep. on materials applied

Master-Clip Scaled Hoses



Double-layered hose design with scales on inner hose lining

Applications

- Loading & sieving technology
- Welding fume extraction with greater degree of flying sparks
- Exhaust gas extraction
- Applications, for which abrasive particles or sparks are to be kept away from the external hose material by the internal scale-like design of the hose

Order-specific production in:

DN: on request
Production lengths: 3m
Temperature Range
dep. on materials applied

Multi-Layered Master-Clip Hoses



Single or multi-layered hose designs with various fabric combinations

Applications

- Air-conditioning & ventilation systems
- Exhaust gas extraction
- Suction of gaseous media with special requirements for internal & external hose layers
- High temperature range
- Chemicals industry

Order-specific production in:

DN: on request
Production lengths: 3m
Temperature Range
dep. on materials applied

Master-Clip Combo



Combination of different Clip materials

Applications

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

Order-specific production in:

DN: on request
Production lengths: 3m
Temperature Range
dep. on materials applied

11

Electrically Heated Hoses



Heated hoses with integrated temperature controller/limiter for application in industrial processes, automation & machine-building

templine® Heated Hose



Electrically heated hose system for applications up to +200 °C media temperature

Applications

- Anti-freeze, maintaining & increasing of temperatures for gases, granules & liquids of varying viscosity in a temperature range from -190 °C to +200 °C.

Temperature Range

- PTFE smooth hose & all pressure-reinforced versions up to +220°C
- Corrugated metal hose up to +300°C

templine® Basic



Electrically heated hose system for applications up to +200 °C media temperature

Applications

- Temperature regulation/control for gases, granules and liquids with varying viscosities in temperature range from -190 °C to +200 °C
- Especially suitable for simple applications, such as anti-freeze protection

Temperature Range

- PTFE smooth hose & all pressure-reinforced versions up to +220°C
- Corrugated metal hose up to +300°C

templine® VARIO



Electrically heated hose system with interchangeable inner tubing

Applications

- Temperature regulation/control for gases, granules and liquids with varying viscosities in temperature range from -190 °C to +200 °C
- also possible to be applied as a heated hose bundle
- Especially suitable for applications in areas such as coating and analysis technology

Temperature Range

- PTFE smooth hose & all pressure-reinforced versions up to +220°C
- Corrugated metal hose up to +300°C

12



PU-Lined Pipes & Pipe-Bends

Innovative Wear Protection for Pipes & Pipe-Bends

Master-PROTECT® Pipe-bend

PU-lined pipe-bend



Applications

- Pneumatic conveying plants

Order-specific production in:

DN 50 - DN 200

Colour of lining: beige

Pressure range: PN 6 - PN 10/16

Temperature Range

-40°C to +80°C

peaks to +110°C

Master-PROTECT® Pipe

PU-lined pipe



Applications

- Pneumatic conveying plants

Order-specific production in:

DN 50 - DN 200

Colour of lining: beige

Pressure range: PN 6 - PN 10/16

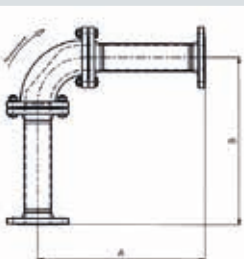
Temperature Range

-40°C to +80°C

peaks to +110°C

Master-PROTECT® Assembly Set

Connector pipes for Master-PROTECT Pipe-Bends



Applications

- Pneumatic conveying plants

Order-specific production in:

DN 50 - DN 200

Pressure range: PN 6 - PN 10/16

Temperature Range

-40°C to +80°C

peaks to +110°C

13.1



Installation & Connections: Clamps

**Connection solutions for almost any application,
from standard connectors to tailor-made
& 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 & stationary units

Available from stock in:

Clamping range from 40/60 mm
to 900/920 mm
Strap, bridge & 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 & stationary units

Available from stock in:

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

Master-Grip Hose Clamp, screwable



Special clamp for
right-lay hoses

Applications

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

Available from stock in:

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

Installation & 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 & housing made from stainless steel 1.4301

Car-Grip Hose Clamp, screwable



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

Applications

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

Available from stock in:

Clamping range from 50/70 mm to 250/270 mm
Strap, bridge & housing made from steel

Car-Grip Quick-Fix Clamp



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

Applications

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

Available from stock in:

Clamping range from 75/82 mm to 500/507 mm
Strap, bridge & housing made 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 & stationary units

Available from stock in:

Clamping range from 25/40 mm to 500/520 mm
Strap, bridge & housing made from steel

Hose Clamp with Bolts



for heavier hoses

Applications

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

Available from stock in:

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

Installation & Connections: Clamps

Master-Grip Double Wire Clamp, Applications screw-fitting



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

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

Available from stock in:

Clamping range from: See internet

Available on request in other sizes and materials

Strap, bridge & housing made from stainless steel 1.4301

Quick-Fix Clamp for Cone Flanges



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 clamp Connections acc.to DIN 32676

Applications

Fitting for solid, liquid and gaseous media in food, pharmaceuticals and chemicals industries, for application for connectors to machines and piping

Materials adhere to the food-grade regulations DIN 32676, provides watertight connections, odourless/tasteless, can be steam-sterilized, good chemical resistance, high tensile strength

Available from stock in:

Clamping range: See internet

13.2

Installation & Connections: Plastic Connectors

**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 & Master-PUR HX hose types
- Screwable and cast-on mountings

Available in:

DN 50 - DN 250
Colour: black

Temperature Range

-40°C to +90°C
peaks to +125°C

Combiflex PU Cone Flange Food



acc. to
DIN 3016,
Food grade
Polyurethane
acc. to EU 10/2011

Applications

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

Available in:

DN 50 - DN 200
Colour: white

Temperature Range

-40°C to +90°C
peaks to +125°C

Combiflex PU Fixed Flange



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

Applications

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

Available in:

DN 50 - DN 300
Colour: black

Temperature Range

-40°C to +90°C
peaks to +125°C

Installation & Connections: Plastic Conneters

Combiflex PU Fixed Flange Inline/ Performance



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

Applications

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

Available in:

DN 50 - DN 204

Colour: black

Temperature Range

-40°C to +90°C

peaks to +125°C

Combiflex PU Fixed Flange Food



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

Applications

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

Available in:

DN 50 - DN 150

Colour: white

Temperature Range

-40°C to +90°C

peaks to +125°C

Combiflex PU Swivel Flange



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

Applications

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

Available in:

DN 50 - DN 300

Colour: black

Temperature Range

-40°C to +90°C

peaks to +125°C

Combiflex PU Swivel Flange Inline/Performance



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

Applications

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

Available in:

DN 50 - DN 204

Colour: black

Temperature Range

-40°C to +90°C

peaks to +125°C

Combiflex PU Swivel Flange Food Applications



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

Applications

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

Available in:

DN 50 - DN 150

Colour: white

Temperature Range

-40°C to +90°C

peaks to +125°C

Installation & Connections: Plastic Connectors

Combiflex PU Threaded Sockets



acc. to
DIN ISO 228

Applications

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

Available in:

DN 50 - DN 150

Colour: black

Temperature Range

-40°C to +90°C

peaks to +125°C

Combiflex PU Threaded Sockets Food



acc. to
DIN ISO 228,
Food grade
Polyurethane
acc. to EU 10/2011

Applications

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

Available in:

DN 50 - DN 150

Colour: white

Temperature Range

-40°C to +90°C

peaks to +125°C

Streetmaster Cuff



Cast-on/pre-fixed

Applications

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

Available in:

DN 200, 225, 250, 280 und 400

Colour: black

Temperature Range

-40°C to +90°C

peaks to +125°C

Combiflex PU Screw Cuff EL



Electroconductive
 $\leq 10^4$ Ohm

Applications

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

Available in:

DN 32 - DN 70

Colour: black

Temperature Range

-40°C to +90°C

peaks to +125°C

Combiflex PU Cuff



PU End Cuff for
Master-PUR Hoses

Applications

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

Available in:

DN 32 - DN 300

Colour: black

Temperature Range

-40°C to +90°C

peaks to +125°C

Installation & Connections: Plastic Conneters

Combiflex PU Cuff V



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

Applications

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

Available in:

DN 32 - DN 300

Colour: black

Temperature Range

-40°C to +90°C

peaks to +125°C

Combiflex PU Hose Connector



Screwable PU hose connector for Master-PUR L / H hoses

Applications

- Screwable hose connector for the hose types Master-PUR L / H / HX and Master-PVC L / H

Available in:

DN 25 - DN 100

Colour: 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

Colour: black

Temperature Range

0°C to +70°C

Cuff for Master-VAC



Special cuff for Master-VAC hoses

Applications

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

Available in:

DN 32 - DN 50

Colour: black

Temperature Range

0°C to +70°C

TOP TIP:
Also available as electro-conductive EL version!

PU Hose Sleeve



Special sleeve for use with clamp collars

Applications

- Reusable special sleeve for connecting spiral hoses from Masterflex SE hose range

Available in:

DN 38 - DN 204

Colour: black

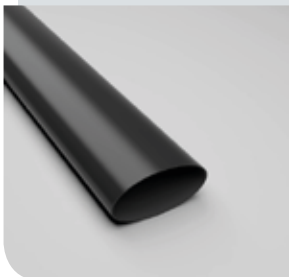
Temperature Range

-40°C to +90°C

peaks to +125°C

Installation & Connections: Plastic Connectors

Heat Shrink Cuff



For easy connection & 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

Colour: black

Temperature Range

-55°C to +110°C

13.3

Installation & Connections: Metal Connectors

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

Cone Flange with Metal Socket



acc. to
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



acc. to
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



acc. to
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 Connectors

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

Colour: 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

Colour: 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

Colour: 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

Colour: blue

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 connecting spiral hoses from Masterflex SE hose range

Available in:

DN 38 - DN 204

Colour: black

Temperature Range

-40°C to +90°C
peaks to +125°C

Installation & Connections: Metal Connectors

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



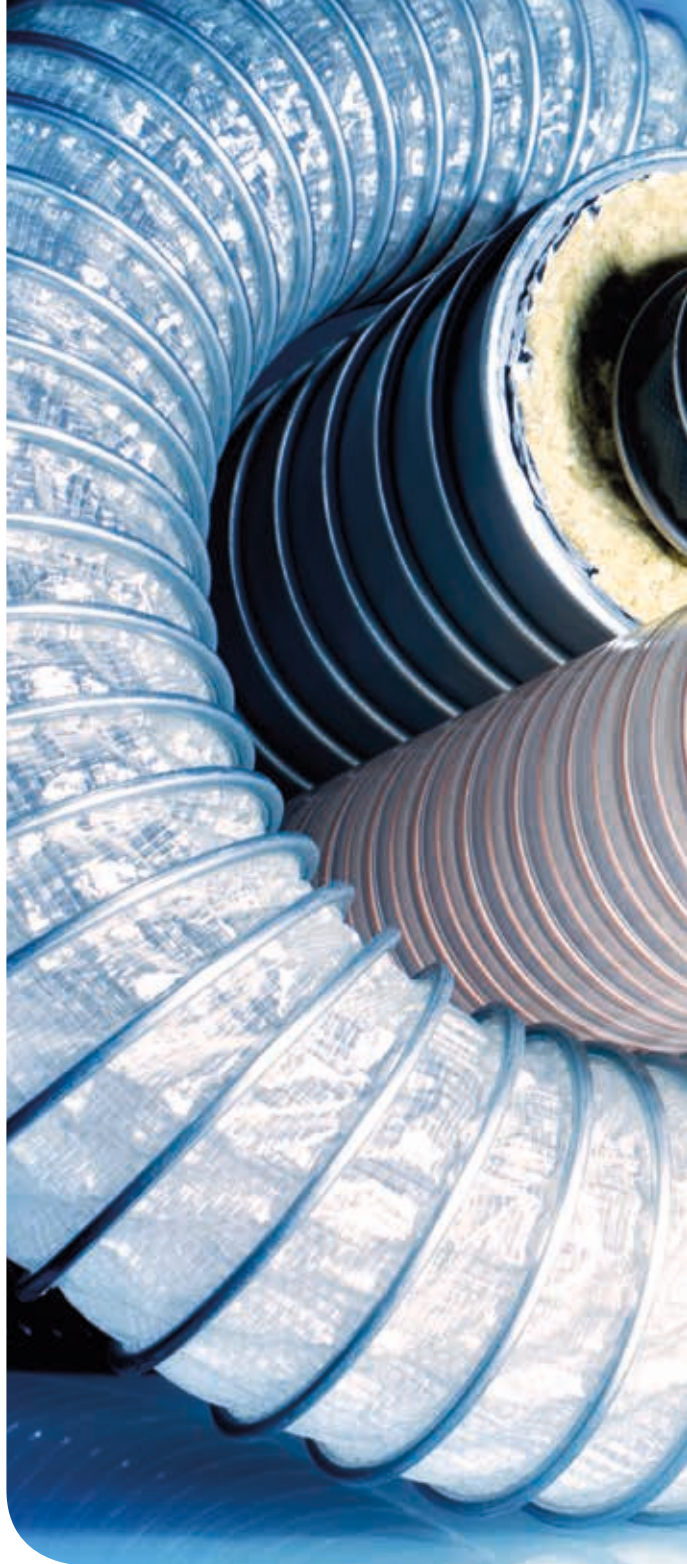
Reducer for lightweight & medium-weight hoses

Applications

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

Available in:

DN 80/50 - DN 300/250



Masterflex SE
Willy-Brandt-Allee 300
45891 Gelsenkirchen
Germany
Tel. +49 209 97077-0
Fax +49 209 97077-33
www.masterflex.de
info.masterflex@masterflexgroup.de
A MASTERFLEX GROUP COMPANY

 **MASTERFLEX**
Connecting Values