



HOSES FOR THE INDUSTRY

ABOUT US

Since 1953 we are developing and producing flexible hoses and hose assemblies for a wide range of applications in industry and trade. In addition to high-quality series products, we offer customized solutions, adapted and optimized for use on equipment and systems such as:

- Air conditioning and ventilation
- Dust collection
- Material handling
- Liquid handling
- High temperature applications
- Extraction of chemical vapors and gases
- Mechanical protection devices

In addition, we offer a versatile selection of connection parts and accessories, comprehensive services, reliable and short production times. Our growing warehouse capacities and efficient logistics round off our portfolio. As a subsidiary of the **SCHAUENBURG HOSE TECHNOLOGY Group** with production sites in Germany, France, USA and China, we can also take advantage of the wide range of services offered by our sister companies. As a result, we supply a comprehensive range of different hose designs and accessories - all from a single source.

We are one of the leading and largest hose manufacturers in the world. You can benefit from our broad product range with strong brands!



ICONS OVERVIEW

An icon sometimes says more than a thousand words. Our icons provide you with information on designs and materials, enabling you to quickly and easily identify and assign the specific properties of our hoses.



Microbe resistant
This symbol identifies products that are microbe resistant. The raw material composition and properties of these hoses are designed to resist organic substances such as microbes. This property can be especially important when used outdoors.



Conductive
Hoses with this symbol are conductive due to grounding of the (copper) wire.



Food grade
Hoses with this symbol have one or more approvals/certificates of conformity that allow their use in food applications. For more information on the type of approval and certification, see product details.



Permanently antistatic
This symbol identifies products that are antistatic due to their specific raw material properties ($R < 10^9 \text{ Ohm}$). Products with this symbol comply with the regulations of TRGS 727 and ATEX 2014/34/EU.



Hydrolysis resistant
Hoses with this symbol are hydrolysis resistant. The hydrolysis is an irreversible splitting of the molecular chains, caused, for example, by humidity or tropical climates and leads to a deterioration of the mechanical properties.



Electrically conductive
Electrically conductive hoses have an additional raw material setting so that the entire hose is permanently conductive. Hoses with this symbol are electrically conductive ($R \leq 10^9 \text{ Ohm}$) according to TRGS 727 and ATEX Directive 2014/34/EU.



Abrasion resistant
The advanced material blend/construction of the hoses with this symbol are specifically designed for transporting large amounts of abrasive material.



High temperature
Hoses with this symbol are specially designed for applications with high or extreme heat.



Smooth inside
This symbol identifies hoses with exceptional internal smoothness that ensures optimal material flow, smoother material transport, and high flow capacity. Internal smoothness reduces pressure losses and lowers operating costs.



Flame retardant
Hoses marked with this symbol are flame retardant. For further details on fire protection standards according to DIN, UL or M1/M2 tests, please refer to the product details.

SMARTFLEX® - ALL IN ONE

Our products of the SMARTFLEX® PU series are true all-rounders in the field of industrial hoses, because they offer no less than five elementary properties: The spiral hoses of the SMARTFLEX® PU series are permanently antistatic <10⁹ Ohm according to ISO 8031 and meet all requirements of TRGS 727 as well as ATEX 2014/34/EU. The hoses are flame retardant according to DIN 4102 B1 - tested and approved by an independent testing institute. They are also conductive according to BGI 739-2 and thus approved for use in the wood industry.

The hoses are made of highly abrasion-resistant polyether polyurethane. This material ensures permanent hydrolysis and microbe resistance, making the hoses ideal for outdoor use. Depending on the design, the products of the SMARTFLEX® PU series are suitable for the extraction of light dusts and chips up to the transport of grass, gravel or mud.



SMARTFLEX® - ALL IN ONE

SMARTFLEX® 0.4



In stock!



Applications

wood dust extraction, furniture production, dust extraction, grinding machines, extraction arms

Features

flame-retardant, permanently antistatic (R < 10⁹ Ohm), hydrolysis and microbe resistance, excellent flexibility, good oil and petrol resistance

Construction

TPU / Polyether-Polyurethane, uncolored, steel wire / spring steel wire / not coated / copper plated

Temperature

-40°C up to 100°C, short term up to 125°C

Wall thickness

0,4 mm

SMARTFLEX® 0.6



In stock!



Applications

wood dust extraction, dust extraction, grass extraction, leaf extraction, furniture production

Features

flame-retardant, permanently antistatic (R < 10⁹ Ohm), hydrolysis and microbe resistance, very good flexibility, good oil and petrol resistance

Construction

TPU / Polyether-Polyurethane, uncolored, steel wire / spring steel wire / not coated / copper plated

Temperature

-40°C up to 100°C, short term up to 125°C

Wall thickness

0,6 mm

SMARTFLEX® 0.7



In stock!



Applications

wood dust extraction, sawing and milling, grass extraction, leaf extraction, conveying of abrasive media

Features

flame-retardant, permanently antistatic (R < 10⁹ Ohm), hydrolysis and microbe resistance, good flexibility, good oil and petrol resistance

Construction

TPU / Polyether-Polyurethane, uncolored, steel wire / spring steel wire / not coated / copper plated

Temperature

-40°C up to 100°C, short term up to 125°C

Wall thickness

0,7 mm

SMARTFLEX® 1.0



Applications

wood dust extraction, sawing and milling, grass extraction, leaf extraction, conveying of abrasive media

Features

flame-retardant, permanently antistatic (R < 10⁹ Ohm), hydrolysis and microbe resistance, good flexibility, very smooth bore, corrugated outside

Construction

TPU / Polyether-Polyurethane, uncolored, steel wire / spring steel wire / not coated / copper plated

Temperature

-40°C up to 100°C, short term up to 125°C

Wall thickness

1,0 mm

SMARTFLEX® 1.4



In stock!



Applications

wood dust extraction, sawing and milling, grass extraction, leaf extraction, conveying of abrasive media

Features

flame-retardant, permanently antistatic (R < 10⁹ Ohm), hydrolysis and microbe resistance, good flexibility, very smooth bore, corrugated outside

Construction

TPU / Polyether-Polyurethane, uncolored, steel wire / spring steel wire / not coated / copper plated

Temperature

-40°C up to 100°C, short term up to 125°C

Wall thickness

1,4 mm

SMARTFLEX® 2.0



In stock!



Applications

conveying of abrasive media, roof graveling, vacuum conveyor, fish farming, gravel conveying

Features

flame-retardant, permanently antistatic (R < 10⁹ Ohm), hydrolysis and microbe resistance, very smooth bore, corrugated outside

Construction

TPU / Polyether-Polyurethane, uncolored, steel wire / spring steel wire / not coated / copper plated

Temperature

-40°C up to 100°C, short term up to 125°C

Wall thickness

2,0 mm

AIR-CONDITIONING & VENTILATION

Insufficient ventilation, unpleasant odors and temperatures can lead to discomfort or even serious health complaints. Therefore, good air quality and pleasant room temperatures are essential criteria for well-being as well as a productive working environment. Ventilation or air-conditioning of machinery and equipment are also crucial for smooth and efficient production. Our lightweight hose constructions made of different materials are ideal solutions for air-conditioning and ventilation systems, e.g. in building services, MRT cabins, buses, driver's cabs of commercial vehicles, caravans, mobile homes or yachts as well as in mechanical and plant engineering.



AIR-CONDITIONING & VENTILATION

FLEXADUX® P2 LF light grey



Applications
steam extraction, textile fiber extraction, air conditioning / cooling technology, solvent vapor extraction, dust extraction

Features
very good flexibility, compressible, particularly small bending radius ($r < d$), good chemical resistance

Construction
PVC / soft PVC, grey / silver grey (similar RAL 7001), steel wire / spring steel wire / not coated / copper plated

Temperature
0°C up to 70°C

Wall thickness
0,4 mm

FLEXADUX® P2 A 1000



Applications
extraction arms, extractor fan, welding gas extraction, air conditioning / cooling technology, ventilation

Features
excellent flexibility, good temperature resistance, good low-temperature flexibility, excellent axial compressibility, particularly small bending radius ($r < d$)

Construction
coated fabrics / PVC coated polyester fabric, grey / silver grey (similar RAL 7001), steel wire / spring steel wire / not coated / copper plated

Temperature
-30°C up to 80°C, short term up to 100°C

Wall thickness
0,4 mm

FLEXADUX® Vinyl CL



Applications
asbestos removal, paint mist extraction, air conditioning / cooling technology, welding gas extraction, tent heating

Features
very good flexibility, excellent axial compressibility, particularly small bending radius ($r < d$), with external abrasion protection spiral, flame-retardant

Construction
coated fabrics / PVC coated polyester fabric, grey / silver grey (similar RAL 7001), clip profile / single-layer

Temperature
-30°C up to 80°C, short term up to 100°C

Wall thickness
0,4 mm

FLEXADUX® P2 PP



Applications
extraction systems, automotive engineering, vehicle construction, air conditioning / HVAC, ventilation

Features
very good flexibility, good temperature resistance, good chemical resistance, good ozone- and UV-resistance, hydrolysis and microbe resistance, free of halogen and softeners

Construction
PP, black / jet black (similar RAL 9005), steel wire / spring steel wire / not coated / copper plated

Temperature
-20°C up to 100°C

Wall thickness
0,4 mm

FLEXADUX® P2 SP



Applications
exhaust gas extraction, extraction arms, steam extraction, extractor fan, venting

Features
good ozone- and UV-resistance, hydrolysis and microbe resistance, rot proof, weather proof, very good temperature resistance

Construction
coated fabrics / TPE coated polyester fabric, black / jet black (similar RAL 9005), steel wire / spring steel wire / not coated / copper plated

Temperature
-40°C up to 150°C

Wall thickness
0,4 mm

FLEXADUX® P 2 SP-TPR



Applications
extraction systems, automotive engineering, vehicle construction air conditioning / HVAC, ventilation

Features
very good flexibility, very good temperature resistance, good compressibility, good chemical resistance, good ozone- and UV-resistance, weather proof, hydrolysis and microbe resistance

Construction
TPE/E, black / jet black (similar RAL 9005), steel wire / spring steel wire / not coated / copper plated

Temperature
-40°C up to 135°C, short term up to 150°C

Wall thickness
0,4 mm

FLEXADUX® P 2 PE



Applications
extraction systems, solvent vapor extraction, steam extraction, venting, air conditioning / cooling technology

Features
light weight, excellent flexibility, particularly small bending radius ($r < d$), ultra light and extremely flexible, good chemical resistance especially to solvent and other aggressive fumes, free of halogen and softeners

Construction
PE, uncolored, steel wire / spring steel wire / not coated / copper plated

Temperature
-40°C up to 60°C

Wall thickness
0,4 mm

DEDUSTING

Production processes often generate by-products such as dust, fluff or powder. To protect your employees and the environment, to comply with regulations, to avoid production downtime and to ensure your product quality, efficient dust collection is a crucial factor. Made of high-quality materials, our hoses support the performance of your dust collection system and provide an optimal and reliable solution for a safe as well as productive working environment.



SMARTFLEX® 0.4



In stock!



Applications
wood dust extraction, dust extraction, grass extraction, leaf extraction, furniture production

Features
flame-retardant, permanently antistatic ($R < 10^9 \text{ Ohm}$), hydrolysis and microbe resistance, excellent flexibility, good oil and petrol resistance

Construction
TPU / Polyether-Polyurethane, uncolored, steel wire / spring steel wire / not coated / copper plated

Temperature
-40°C up to 100°C, short term up to 125°C

Wall thickness
0,4 mm

SMARTFLEX® 0.6



In stock!



Applications
wood dust extraction, dust extraction, grass extraction, leaf extraction, furniture production

Features
flame-retardant, permanently antistatic ($R < 10^9 \text{ Ohm}$), hydrolysis and microbe resistance, very good flexibility, good oil and petrol resistance

Construction
TPU / Polyether-Polyurethane, uncolored, steel wire / spring steel wire / not coated / copper plated

Temperature
-40°C up to 100°C, short term up to 125°C

Wall thickness
0,6 mm

SMARTFLEX® 0.7



In stock!



Applications
wood dust extraction, sawing and milling, grass extraction, leaf extraction, conveying of abrasive media

Features
flame-retardant, permanently antistatic ($R < 10^9 \text{ Ohm}$), hydrolysis and microbe resistance, good flexibility, good oil and petrol resistance

Construction
TPU / Polyether-Polyurethane, uncolored, steel wire / spring steel wire / not coated / copper plated

Temperature
-40°C up to 100°C, short term up to 125°C

Wall thickness
0,7 mm

FLEXADUX® P2 PU AE



Applications
steam extraction, textile fiber extraction, solvent vapor extraction, oil mist extraction, paint mist extraction

Features
very good flexibility, good compressibility, particularly small bending radius ($r < d$), good abrasion resistance, good oil and petrol resistance

Construction
TPU / Polyether-Polyurethane, uncolored, steel wire / spring steel wire / not coated / copper plated

Temperature
-40°C up to 100°C, short term up to 125°C

Wall thickness
0,4 mm

FLEXADUX® P2 CNC



Applications
CNC processing, sawing and milling, wood dust extraction, extraction systems, automation technology / robotics

Features
very good flexibility, very good abrasion resistance, good oil and petrol resistance, hydrolysis and microbe resistance, flame-retardant

Construction
TPU / Polyether-Polyurethane, uncolored, steel wire / spring steel wire / coated / PVC

Temperature
-40°C up to 100°C, short term up to 125°C

Wall thickness
0,8 mm

FLEXADUX® P1 N light grey



In stock!



Applications
waste water, venting, cable protection, textile fiber extraction

Features
light weight, very good flexibility, smooth bore, corrugated outside, good chemical resistance

Construction
PVC / soft PVC, grey / silver grey (similar RAL 7001), steel wire / spring steel wire / coated / PVC

Temperature
0°C up to 70°C

Wall thickness
0,5 to 0,6 mm





FLEXADUX® P3 LF light grey



In stock!



Applications
waste water, roof drainage, air conditioning / cooling technology, venting, automation technology / robotics

Features
medium weight, smooth bore, corrugated outside, good chemical resistance, hydrolysis and microbe resistance

Construction
PVC / soft PVC, grey / silver grey (similar RAL 7001), steel wire / spring steel wire / coated / PVC

Temperature
0°C up to 70°C

Wall thickness
1,2 to 1,5 mm

FLEXADUX® Superelastic



In stock!



Applications
industrial vacuum cleaners, cleaning, dust extraction, construction drying

Features
good flexibility, crush-resistant, good tensile strength, good chemical resistance, good ozone- and UV-resistance, hydrolysis and microbe resistance, rot proof, weather proof, excellent mechanical properties, especially for higher tensile forces, ultra light and extremely flexible

Construction
PVC / soft PVC, black, steel wire / spring steel wire / coated

Temperature
-10°C up to 70°C, short term up to 90°C

Wall thickness
0,5 mm

Serie 3 PVC-S



Applications
exhaust gas extraction, extraction systems, aviation, cable protection, water drain

Features
medium weight, good flexibility, very smooth bore, corrugated outside, good ozone- and UV-resistance

Construction
PVC / soft PVC, grey / dusty grey (similar RAL 7037), plastic spiral / hard PVC

Temperature
-5°C up to 60°C

Wall thickness
0,7 to 1,6 mm

GENESIS® P11



In stock!



Applications
industrial vacuum cleaners, cleaning, sawing and milling, textile fiber extraction

Features
corrugated outside, smooth bore, excellent flexibility, good flexibility restoring force after compression or buckling

Construction
TPO, black / jet black (similar RAL 9005)

Temperature
-50°C up to 60°C



MATERIAL HANDLING

The demands in industry and trade are constantly growing. With ever more powerful machines and systems, the demands on the quality of the conveying hoses are also increasing. Long service life, excellent abrasion resistance thanks to the use of high-quality raw materials, a smooth flow channel for optimized transport of the media, high pressure and vacuum resistance combined with good flexibility are just some of the requirements that hoses in this segment have to meet. By using our hose qualities, you make the right choice, regardless of whether you are dosing, conveying, suctioning, blowing or feeding.



SMARTFLEX® 0.7



In stock!



Applications

wood dust extraction, sawing and milling, grass extraction, leaf extraction, conveying of abrasive media

Features

flame-retardant, permanently antistatic ($R < 10^9 \text{ Ohm}$), hydrolysis and microbe resistance, good flexibility, good oil and petrol resistance

Construction

TPU / Polyether-Polyurethane, uncolored, steel wire / spring steel wire / not coated / copper plated

Temperature

-40°C up to 100°C, short term up to 125°C

Wall thickness

0,7 mm

SMARTFLEX® 1.0



Applications

wood dust extraction, sawing and milling, grass extraction, leaf extraction, conveying of abrasive media

Features

flame-retardant, permanently antistatic ($R < 10^9 \text{ Ohm}$), hydrolysis and microbe resistance, good flexibility, very smooth bore, corrugated outside

Construction

TPU / Polyether-Polyurethane, uncolored, steel wire / spring steel wire / not coated / copper plated

Temperature

-40°C up to 100°C, short term up to 125°C

Wall thickness

1,0 mm

SMARTFLEX® 1.4



In stock!



Applications

wood dust extraction, sawing and milling, grass extraction, leaf extraction, conveying of abrasive media

Features

flame-retardant, permanently antistatic ($R < 10^9 \text{ Ohm}$), hydrolysis and microbe resistance, good flexibility, very smooth bore, corrugated outside

Construction

TPU / Polyether-Polyurethane, uncolored, steel wire / spring steel wire / not coated / copper plated

Temperature

-40°C up to 100°C, short term up to 125°C

Wall thickness

1,4 mm

SMARTFLEX® 2.0



In stock!



Applications

conveying of abrasive media, roof graveling, vacuum conveyor, fish farming, gravel conveying

Features

flame-retardant, permanently antistatic ($R < 10^9 \text{ Ohm}$), hydrolysis and microbe resistance, very smooth bore, corrugated outside

Construction

TPU / Polyether-Polyurethane, uncolored, steel wire / spring steel wire / not coated / copper plated

Temperature

-40°C up to 100°C, short term up to 125°C

Wall thickness

2,0 mm



FLEXADUX® HT PU 1.4



Applications
granulate conveying, conveying of abrasive media, high temperature applications, dosing, conveying technology

Features
medium weight, good flexibility, very good low-temperature flexibility, very good temperature resistance, very good abrasion resistance

Construction
TPU / Polyester-Polyurethane, uncolored, steel wire / spring steel wire / not coated / copper plated

Temperature
-40°C up to 145°C, short term up to 165°C

Wall thickness
1,4 mm

FLEXADUX® P3 PU AE



Applications
dosing, textile fiber extraction, agricultural engineering, roof drainage, conveying technology

Features
medium weight, very good abrasion resistance, smooth bore, good oil and petrol resistance, hydrolysis and microbe resistance

Construction
TPU / Polyether-Polyurethane, uncolored, steel wire / spring steel wire / coated / PVC

Temperature
-40°C up to 100°C, short term up to 125°C

Wall thickness
0,8 to 1,5 mm

GENESIS® MK II



Applications
blowing in insulation material, extraction systems, asbestos removal, swimming pool technology, construction machines

Features
very good chemical resistance, crush-resistant, ultimate elongation, good tensile strength, floatable, free of halogen and softeners

Construction
PE, uncolored, plastic spiral / PE

Temperature
-40°C up to 60°C



FOOD & PHARMA

In the food and pharmaceutical industry, strict rules apply for the manufacturing process. Compliance with hygiene and safety standards is essential. Our food hoses comply with the strict regulations of EU Directive (EC) No. 1935/2004 as well as FDA standard 21 CFR 177.2600 and 178.2010. Our hoses are inspected and tested by an independent testing institute and are approved for food simulants A, B, C, D1, D2 and/or E according to EU Regulation No. 10/2011. Our food hoses are odorless, tasteless, physiologically harmless and contain no harmful substances that could affect the food. In addition, they are easy to clean to ensure a hygienic environment.



FLEXADUX® P2 PU Food



Applications
extraction systems, extraction arms, food production and conveying, pharmaceutical production, filter systems

Features
excellent flexibility, good compressibility, good abrasion resistance, good oil and petrol resistance, free of halogen and softeners

Construction
TPU / Polyether-Polyurethane, uncolored, steel wire / spring steel wire / not coated / copper plated

Temperature
-40°C up to 100°C, short term up to 125°C

Wall thickness
0,4 mm

FLEXADUX® P2 PU PAS Food



In stock!



Applications
food production and conveying, pharmaceutical production, textile fiber extraction, extraction systems, extraction arms

Features
excellent flexibility, compressible, good abrasion resistance, permanently antistatic (R < 10⁹ Ohm), hydrolysis and microbe resistance

Construction
TPU / Polyether-Polyurethane, uncolored, steel wire / stainless steel wire

Temperature
-40°C up to 100°C, short term up to 125°C

Wall thickness
0,4 mm

FLEXADUX® PU FOOD 0.6



Applications
food production and conveying, conveying of abrasive media, conveying technology, dosing

Features
light weight, very good flexibility, very good abrasion resistance, corrugated outside

Construction
TPU / Polyether-Polyurethane, uncolored, steel wire / spring steel wire / not coated / copper plated

Temperature
-40°C up to 100°C, short term up to 125°C

Wall thickness
0,6 mm

FLEXADUX® P7 OL PU Food



Applications
food production and conveying, conveying of abrasive media, conveying technology, dosing, extraction arms

Features
good abrasion resistance, very smooth bore, good flexibility, very good low-temperature flexibility, free of halogen and softeners

Construction
TPU / Polyether-Polyurethane, uncolored, steel wire / spring steel wire / not coated / copper plated

Temperature
-40°C up to 100°C

Wall thickness
0,7 mm

FLEXADUX® P7 L PU Food AS



Applications
food production and conveying of abrasive media, dosing

Features
very good abrasion resistance, good flexibility, smooth inner layer, halogen and plasticizer free, permanently antistatic (R < 10⁹ Ohm)

Construction
TPU / Polyether-Polyurethane, uncolored, steel wire / stainless steel wire / coated / PU

Temperature
-40°C up to 100°C, short term up to 125°C

Wall thickness
0,7 mm

FLEXADUX® P7 L PU PAS Food



In stock!



Applications
food production and conveying, pharmaceutical production, extraction arms, extraction systems, granulate conveying

Features
good flexibility, very good abrasion resistance, permanently antistatic (R < 10⁹ Ohm), free of halogen and softeners, very smooth bore

Construction
TPU / Polyether-Polyurethane, uncolored, steel wire / stainless steel wire

Temperature
-40°C up to 100°C, short term up to 125°C

Wall thickness
0,7 mm

FLEXADUX® P7 ML PU Food



Applications
food production and conveying, pharmaceutical production, extraction systems, conveying of abrasive media, extraction arms

Features
good flexibility, very good low-temperature flexibility, very good abrasion resistance, very smooth bore, corrugated outside, free of halogen and softeners

Construction
TPU / Polyether-Polyurethane, uncolored, steel wire / spring steel wire / not coated / copper plated

Temperature
-40°C up to 100°C, short term up to 125°C

Wall thickness
1,0 mm

FLEXADUX® P7 M PU Food



Applications
food production and conveying, pharmaceutical production, extraction systems, conveying of abrasive media, extraction arms

Features
good flexibility, very good low-temperature flexibility, very good abrasion resistance, very smooth bore, corrugated outside, free of halogen and softeners

Construction
TPU / Polyether-Polyurethane, uncolored, steel wire / steel wire / not coated / copper plated

Temperature
-40°C up to 100°C, short term up to 125°C

Wall thickness
1,4 mm

FLEXADUX® P7 M PU PAS Food



In stock!



Applications
food production and conveying, pharmaceutical production, extraction arms, extraction systems, granulate conveying

Features
good flexibility, very good abrasion resistance, permanently antistatic (R < 10⁹ Ohm), free of halogen and softeners, smooth bore, corrugated outside

Construction
TPU / Polyether-Polyurethane, uncolored, steel wire / stainless steel wire

Temperature
-40°C up to 100°C, short term up to 125°C

Wall thickness
1,4 mm

SMOOTHFLEX PU FOOD



In stock!



Applications
food production and conveying, pharmaceutical production, grass extraction, seed conveying, sweepers

Features
light weight, very good flexibility, good abrasion resistance, corrugated outside, very smooth bore, hydrolysis and microbe resistance, weather proof, rot proof

Construction
TPU / Polyether-Polyurethane, uncolored, plastic spiral / hard PVC

Temperature
-30°C up to 80°C

Wall thickness
0,4 to 0,65 mm

FLEXACIER LT FOOD



In stock!



Applications
food production and conveying, beverage production and conveying, irrigation, agriculture, agricultural engineering

Features
very smooth bore, smooth outside, very high vacuum resistance, very good chemical resistance, hydrolysis and microbe resistance

Construction
PVC / soft PVC, uncolored, steel wire / spring steel wire / not coated / galvanized

Temperature
-5°C up to 65°C

Wall thickness
3,0 to 5,0 mm

MONOFLEX SPH



Applications
irrigation, dosing, wine production / wine conveying, vacuum pumps, pump technology

Features
medium weight, good flexibility, high vacuum resistance, high pressure resistance, very smooth bore, corrugated outside

Construction
PVC / soft PVC, white, plastic spiral / hard PVC

Temperature
-5°C up to 60°C

EX-HAZARDOUS AREAS

Antistatic and electrically conductive hoses are used wherever ignition hazards due to electrostatic charges in potentially explosive atmospheres and explosive mixtures are to be avoided. Our antistatic and electrically conductive products naturally comply with the applicable regulations and are compliant with the ATEX Directive 2014/34/EU and TRGS 727. Our hoses help you to work safely and securely at all times.



FLEXADUX® P7 M PU EL



Applications
extraction systems, conveying of abrasive media, conveying technology, granulate conveying, powder conveying and coating

Features
very good abrasion resistance, very smooth bore, corrugated outside, good oil and petrol resistance, hydrolysis and microbe resistance, electrically conductive ($R \leq 10^3 \text{ Ohm}$)

Construction
TPU / Polyether-Polyurethane, black / jet black (similar RAL 9005), steel wire / spring steel wire / not coated / copper plated

Temperature
-40°C up to 100°C, short term up to 125°C

Wall thickness
1,4 mm

FLEXADUX® PTFE EL CL



Applications
paint mist extraction, paper production, extraction systems, automation technology / robotics, pharmaceutical production

Features
very good flexibility, very good temperature resistance, excellent axial compressibility, very good chemical resistance, electrically conductive ($R \leq 10^3 \text{ Ohm}$)

Construction
coated fabrics / PTFE coated glass fabric, black / jet black (similar RAL 9005), clip profile / single-layer

Temperature
-150°C up to 250°C

Wall thickness
0,15 mm

GENESIS® P11-EL



In stock!



Applications
industrial vacuum cleaners, vacuum cleaner, cleaning, sawing and milling, textile fiber extraction

Features
corrugated outside, smooth bore, excellent flexibility, electrically conductive ($R \leq 10^3 \text{ Ohm}$), good flexibility restoring force after compression or buckling

Construction
TPO, black / jet black (similar RAL 9005)

Temperature
-50°C up to 60°C

SMARTFLEX®-SERIES



In stock!



Detailed information on the complete SMARTFLEX®-SERIES can be found on page 5.

EX-HAZARDOUS AREAS

FLEXADUX® P2 HL



Applications
paint mist extraction, solvent vapor extraction, air conditioning / HVAC venting, extraction systems

Features
good flexibility, very good low-temperature flexibility, very good chemical resistance, flame-retardant, permanently antistatic ($R \leq 10^8 \text{ Ohm}$)

Construction
coated fabrics / PVC coated polyester fabric, black / jet black (similar RAL 9005), steel wire / spring steel wire / not coated / copper plated

Temperature
-40°C up to 80°C

Wall thickness
0,4 mm

FLEXADUX® P1 N PU EL



Applications
extraction systems, extraction arms, powder conveying and coating, dust extraction, textile fiber extraction

Features
very good flexibility, good abrasion resistance, electrically conductive ($R \leq 10^3 \text{ Ohm}$), good oil and petrol resistance, good ozone- and UV-resistance, hydrolysis and microbe resistance

Construction
TPU / Polyether-Polyurethane, black / jet black (similar RAL 9005), steel wire / spring steel wire / coated / PVC

Temperature
-40°C up to 100°C, short term up to 125°C

Wall thickness
0,5 to 0,6 mm

FLEXADUX® P2 PE EL



Applications
solvent vapor extraction, extraction systems, steam extraction, venting, ventilation

Features
electrically conductive ($R \leq 10^3 \text{ Ohm}$), light weight, excellent flexibility, very good chemical resistance, free of halogen and softeners

Construction
PE, black / jet black (similar RAL 9005), steel wire / spring steel wire / not coated / copper plated

Temperature
-40°C up to 60°C

Wall thickness
0,4 mm

FLEXADUX® P7 L PU EL



Applications
conveying technology, conveying of abrasive media, automotive engineering, vehicle construction, extraction systems

Features
good flexibility, electrically conductive ($R \leq 10^3 \text{ Ohm}$), very good abrasion resistance, good tensile strength, ultimate elongation, hydrolysis and microbe resistance

Construction
TPU / Polyether-Polyurethane, black / jet black (similar RAL 9005), steel wire / spring steel wire / not coated / copper plated

Temperature
-40°C up to 100°C, short term up to 125°C

Wall thickness
0,7 mm



HIGH TEMPERATURE & CHEMISTRY

We offer a wide range of hose solutions for the extraction of chemically aggressive vapors and gases even under extreme temperature conditions. In addition to abrasion-resistant high-temperature PU hoses, single- or multi-layer neoprene and silicone hoses, you will also find clip hoses made of a variety of different materials in our program - resistant to automotive exhaust gases, flying sparks, welding spatter or for temperatures up to + 1100° C.



HIGH TEMPERATURE & CHEMISTRY

FLEXADUX® HT PU 1.4



Applications
granulate conveying, conveying of abrasive media, high temperature applications, dosing, conveying technology

Features
medium weight, good flexibility, very good low-temperature flexibility, very good temperature resistance, very good abrasion resistance

Construction
TPU / Polyester-Polyurethane, uncolored, steel wire / spring steel wire / not coated / copper plated

Temperature
-40°C up to 145°C, short term up to 165°C

Wall thickness
1,4 mm

FLEXADUX® NEO I



Applications
extraction systems, vehicle construction, steam extraction, granule drying, automation technology / robotics

Features
light weight, excellent flexibility, very good temperature resistance, particularly small bending radius (r < d), good chemical resistance

Construction
coated fabrics / Neoprene® coated glass fabric, black / jet black (similar RAL 9005), steel wire / spring steel wire / not coated / copper plated

Temperature
-35°C up to 135°C, short term up to 150°C

FLEXADUX® NEO II



Applications
extraction systems, vehicle construction, steam extraction, granule drying, automation technology / robotics

Features
light weight, excellent flexibility, very good temperature resistance, particularly small bending radius (r < d), good chemical resistance

Construction
coated fabrics / Neoprene® coated glass fabric, black / jet black (similar RAL 9005), steel wire / spring steel wire / not coated / copper plated

Temperature
-35°C up to 135°C, short term up to 150°C

FLEXADUX® P-G-EX 1



Applications
exhaust gas extraction, extraction systems, vehicle construction, venting, high temperature applications

Features
very good temperature resistance, very good flexibility, can be driven over, crush-resistant, good oil and petrol resistance, very good chemical resistance

Construction
coated fabrics / TPE coated polyester fabric, black / jet black (similar RAL 9005), plastic spiral / PA

Temperature
-40°C up to 150°C, short term up to 170°C

Wall thickness
0,4 mm

FLEXADUX® Hyp CL



Applications
exhaust gas extraction, extraction systems, extraction arms, steam extraction, venting

Features
very good flexibility, very good temperature resistance, very good chemical resistance, with external abrasion protection spiral, compressible

Construction
coated fabrics / Hypalon® coated polyester fabric, black / jet black (similar RAL 9005), clip profile / single-layer

Temperature
-40°C up to 175°C

Wall thickness
0,4 mm



FLEXADUX® PTFE CL



Applications
paint mist extraction, solvent vapor extraction, high temperature applications, extraction systems, extraction arms

Features
light weight, good flexibility, very good temperature resistance, very good chemical resistance, with external abrasion protection spiral

Construction
coated fabrics / PTFE coated glass fabric, brown, clip profile / single-layer

Temperature
-150°C up to 250°C

Wall thickness
0,12 mm

FLEXADUX® SIL I



Applications
extraction systems, vehicle construction, steam extraction, granule drying, automation technology / robotics

Features
light weight, excellent flexibility, very good temperature resistance, particularly small bending radius (r < d), good chemical resistance

Construction
coated fabrics / silicone coated glass fabric, brown / red brown (similar RAL 8012), steel wire / spring steel wire / not coated / copper plated

Temperature
-70°C up to 250°C, short term up to 300°C

FLEXADUX® SIL II



In stock!



Applications
extraction systems, vehicle construction, steam extraction, granule drying, automation technology / robotics

Features
light weight, excellent flexibility, very good temperature resistance, particularly small bending radius (r < d), good chemical resistance

Construction
coated fabrics / silicone coated glass fabric, brown / red brown (similar RAL 8012), steel wire / spring steel wire / not coated / copper plated

Temperature
-70°C up to 250°C, short term up to 300°C

FLEXADUX® Silikon CL



Applications
exhaust gas extraction, extraction systems, extraction arms, steam extraction, venting

Features
very good flexibility, very good temperature resistance, very good chemical resistance, with external abrasion protection spiral, flame-retardant

Construction
coated fabrics / silicone coated glass fabric, grey / silver grey (similar RAL 7001), clip profile / single-layer

Temperature
-60°C up to 300°C

Wall thickness
0,4 mm

FLEXADUX® Aramid CL



Applications
exhaust gas extraction, extraction systems, high temperature applications, automotive engineering, automation technology / robotics

Features
light weight, very good flexibility, very good temperature resistance, excellent axial compressibility, good mechanical strength, excellent resistance to high temperatures and fumes

Construction
coated fabrics / silicone coated aramid, green / leaf green (similar RAL 6002), clip profile / with external abrasion protection profile

Temperature
-60°C up to 260°C

Wall thickness
0,4 mm

FLEXADUX® HT 450 CL



Applications
exhaust gas extraction, extraction systems, high temperature applications, automotive engineering, automation technology / robotics

Features
very good flexibility, excellent temperature resistance, compressible, with external abrasion protection spiral, flame-retardant

Construction
coated fabrics / high temperature silicone coated glass fabric, grey / silver grey (similar RAL 7001), clip profile / multi-layer

Temperature
-60°C up to 450°C

Wall thickness
0,7 mm

FLEXADUX® HT 650 CL



Applications
exhaust gas extraction, extraction systems, high temperature applications, automotive engineering, automation technology / robotics

Features
excellent flexibility, excellent temperature resistance, compressible, with external abrasion protection spiral, flame-retardant

Construction
coated fabrics / silicone coated glass fabric, grey / silver grey (similar RAL 7001), clip profile / multi-layer

Temperature
-60°C up to 650°C

Wall thickness
0,7 mm

FLEXADUX® HT 1100 CL



Applications
exhaust gas extraction, extraction systems, high temperature applications, automotive engineering, automation technology / robotics

Features
good flexibility, excellent temperature resistance, compressible, with external abrasion protection spiral, flame-retardant

Construction
coated fabrics / special coated high temperature fabric, reinforced by woven in stainless steel wire, grey / silver grey (similar RAL 7001), clip profile / multi-layer

Temperature
-50°C up to 1.100°C

Wall thickness
0,4 mm



TRANSPORT OF LIQUIDS

Pressure-stable and vacuum-resistant hose types are particularly suitable for the safe transport of liquids. Our robust suction and pressure hoses are used, for example, in irrigation and drainage, pump technology, sanitary applications, wastewater technology, agriculture or the food and beverage industry.



TRANSPORT OF LIQUIDS

GENESIS® ToiVac N



Applications
mobile toilets, faeces suction, waste disposal vehicles, waste water, sewage treatment plants

Features
can be driven over, crush-resistant, good tensile strength, very high vacuum resistance, very good chemical resistance, weather proof, good ozone- and UV-resistance, hydrolysis and microbe resistance, rot proof

Construction
PE, yellow / saffron yellow (similar RAL 1017), plastic spiral / PE

Temperature
-40°C up to 60°C

FLEXACIER LT FOOD



In stock!



Applications
food production and conveying, beverage production and conveying, irrigation, agriculture, agricultural engineering

Features
very smooth bore smooth outside, very high vacuum resistance, very high pressure resistance, good resistance to compressed air containing mineral oil, very good chemical resistance, hydrolysis and microbe resistance

Construction
PVC / soft PVC, uncolored, steel wire / spring steel wire / not coated / galvanized

Temperature
-5°C up to 65°C

Wall thickness
3,0 to 5,0 mm

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Applications
agricultural engineering, irrigation, water drain, fertilizer spreadin, waste water

Features
good flexibility, high vacuum resistance, corrugated outside, very smooth bore, hydrolysis and microbe resistance, good ozone- and UV-resistance, weather proof, phthalate-free

Construction
PVC / soft PVC, green, plastic spiral / hard PVC

Temperature
-5°C up to 60°C

Wall thickness
2,1 to 7,3 mm

MONOFLEX SPH



Applications
irrigation, dosing, wine production / wine conveying, vacuum pumps, pump technology

Features
medium weight, good flexibility, high vacuum resistance, high pressure resistance, very smooth bore, corrugated outside

Construction
PVC / soft PVC, white, plastic spiral / hard PVC

Temperature
-5°C up to 60°C

Wall thickness
2,5 to 5,9 mm



CONNECTORS & ACCESSORIES

In addition to our extensive range of hoses, we also offer a wide selection of suitable connection and joining technology. Whether clamps, integrated fittings, injection-molded or cast socket systems, you will find individual and customized special solutions in addition to the common standards.



BridgeXX Bridge clamp



Hinge bolt clamp

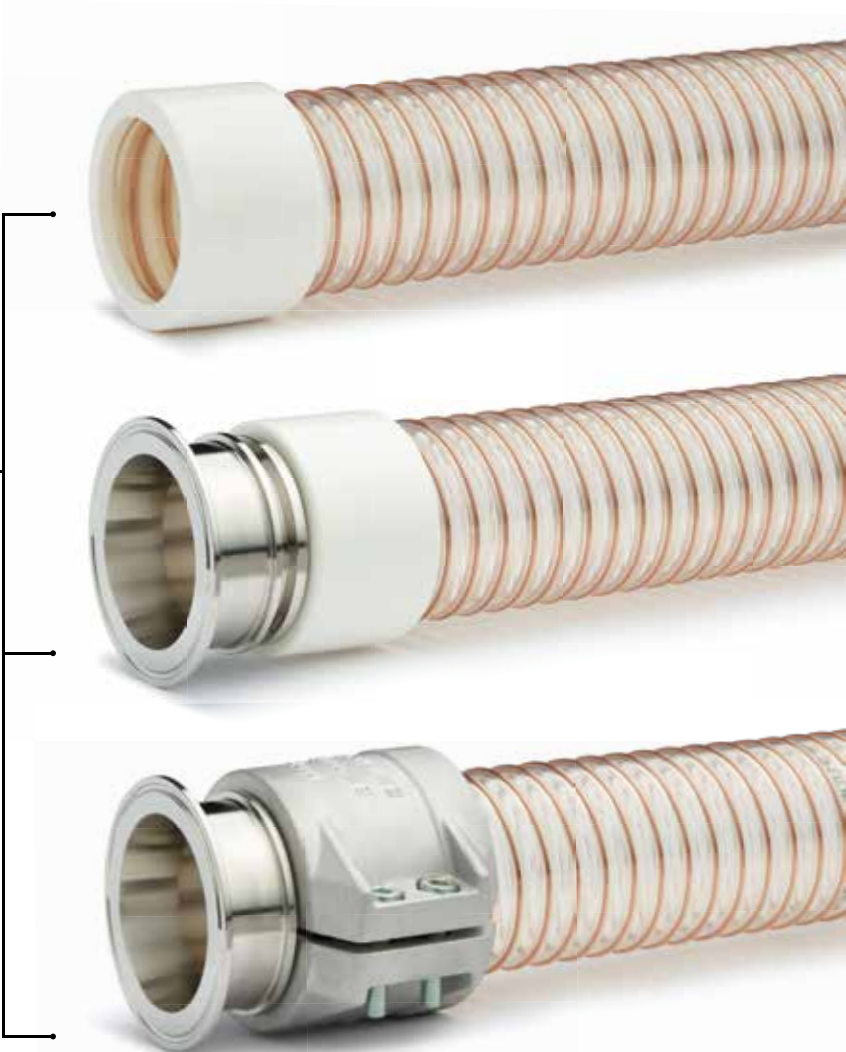


Cuffs

CONNECTORS & ACCESSORIES

Sealing inserts for clamping

For easy assembly of couplings.
Easy and quick assembly with safety clamps.



Injection molded cuff



Casting cuff



OUR STORY

The **SCHAUBURG HOSE TECHNOLOGY GROUP** is one of the world's biggest and leading plastic hose manufacturer, producing high-performance hoses from virtually every thermoplastic. With production, distribution and trading facilities in Germany, France, Italy, Romania, China and the US, SCHAUBURG serves customers in 74 countries around the globe.

Starting the business in 1953, SCHAUBURG can draw upon almost 70 years of experience in hose production technology. Like no other company, SCHAUBURG collates a unique level of skill and expertise, offering customers an incomparably broad product range. From garden hoses to highend hose assemblies, customers

are supplied with the full range from one single source, which makes SCHAUBURG a highly qualified partner for distributors, wholesalers, retailers, MROs and OEMs equally.

The **SCHAUBURG HOSE TECHNOLOGY GROUP** is well-known for its smart and flexible solutions. The competencies in manufacturing technology range from small-batch to large-scale production. The production processes optimally adapt to customers' requirements. In addition to a wide range of high-quality standard products and services, SCHAUBURG offers tailor-made solutions, which perfectly support customers in mastering specific challenges. Thereby, SCHAUBURG is excellent in both extrusion and injection-moulding, where

the group has a great deal of expertise. Based on sophisticated skills in integrated connecting and fitting technology, SCHAUBURG provides customers with functional hose assemblies, which can be used in more and more applications. With sophisticated solutions from the **SCHAUBURG HOSE TECHNOLOGY GROUP**, customers have that vital competitive advantage.

With the central R&D department as well as tool construction facilities, the group continuously develops best-in-class solutions for customers, meeting technical requirements that become ever more demanding. Through systematic research, SCHAUBURG has accumulated unparalleled know-how of a

wide variety of raw materials and manufactures own compounds. Driven by long-lasting tradition, SCHAUBURG designs trend-setting product and process innovations. The biggest strength however, are the highly motivated people. At **SCHAUBURG HOSE TECHNOLOGY GROUP** employees with a wide range of skills and with widely differing qualifications meet – a strong team of 1.100 highly dedicated employees globally – passionately serving customers. With good cause, SCHAUBURG maintains trusting and reliable partnerships with customers – with many for decades. With the **SCHAUBURG HOSE TECHNOLOGY Group** customers will always find solutions which perfectly fit.





NORTH AMERICA

Flexaust Inc.
Amesbury, Massachusetts, USA
Burlington, North Carolina, USA
Las Vegas, Nevada, USA
Newburyport, Massachusetts, USA
San Diego, California, USA
Warsaw, Indiana, USA

EUROPE

APD Schlauchtechnik GmbH
Viersen, Germany

APR Inovaflex S.r.l.
Calarasi, Romania

GAP Plastomère S.à.r.l.
Flexadux International S.à.r.l.
Montélimar, France

Schaenburg Ruhrkunststoff GmbH
Mülheim/Ruhr, Germany

TubiOne S.r.l.
Varese, Italy

VACUFLEX GmbH
Mörfelden, Germany

ASIA

Changxing VACUFLEX Hose Technology Co., Ltd.
Changxing, China

VACUFLEX Advanced Hoses Ltd.
Guangzhou, China



A MEMBER OF  **SCHAUENBURG** HOSE TECHNOLOGY GROUP



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