



# HOSES FOR THE CLEANING INDUSTRY

Your specialist for hoses in the cleaning industry

# STAY CLEAN

Cleanliness does not only play a major role since the year 2020 or pandemic situations. Every day and every night, thousands of workers are on the move to clean up the dirt and rubbish of our everyday lives. Whether in offices, hospitals, public places, train stations or airports, cleaning is always necessary wherever many people come together.

To be able to do this as quickly and efficiently as possible, the cleaning professionals must be able to rely on their work equipment. Every day they work with industrial vacuum cleaners, automatic scrubbers, steam cleaners or street cleaning vehicles whose central component for removing dirt is always a hose.

This is where we come in and offer you the complete range of hoses for any cleaning application, including the appropriate attachments, connectors and fittings.



food  
grade



microbe  
resistant



hydrolysis  
resistant



grounding  
wire



permanently  
antistatic



electrically  
conductive



abrasion  
resistant



very smooth  
inside



# STEAM CLEANERS & EXTRACTION UNITS



VACUFLEX® VC2-PU

VACUFLEX® K1H-TPR

VACUFLEX® K1H-PU-EL

TWINFLEX PU



**Properties and Applications**  
Light weight and flexible hose for commercial and industrial steam cleaners

**Properties and Applications**  
Light weight and flexible hose for industrial steam cleaners and for any other pressure-less steam and vapour recovery application

**Properties and Applications**  
Light weight and flexible hose, very durable with inside channel for 12V/230V cable or tubing for high-end vacuum cleaners to support a floor nozzle with an electrically driven motor brush

**Properties and Applications**  
Light weight and flexible hose, very durable with double wall for domestic or industrial steam cleaners and spray extraction floor cleaning machines

**Structure**  
Polyether-Polyurethane, black with heat resistant rigid plastic spiral

**Structure**  
TPR (Thermoplastic rubber) with coated spring steel spiral

**Structure**  
Polyether-Polyurethane, grey with with spring steel spiral

**Structure**  
Polyether-Polyurethane, black with integrated tubing and spring steel spiral

**Temperature Resistance**  
- 40°C up to + 125°C

**Temperature Resistance**  
-40°C to +135°C

**Temperature Resistance**  
- 40°C up to + 90°C (short term up to +125°C)

**Temperature Resistance**  
- 40°C up to + 90°C (short term up to +125°C)

**Diameter Range**  
8 - 51 mm

**Diameter Range**  
10 - 308 mm

**Diameter Range**  
30 - 51 mm

**Diameter Range**  
32 mm

# COMMERCIAL & WET/DRY VACUUM CLEANERS



VACUFLEX® VSM-S02



**Properties and Applications**  
Light weight, self supporting profile hose for vacuum applications e.g. on basic industrial vacuum cleaners, crush proofed

**Structure**  
TPO (Thermoplastic Polyolefin), black

**Temperature Resistance**  
- 50°C up to + 60°C

**Diameter Range**  
19 - 70 mm

**Optional**  
also available with coloured protection shoulder

VACUFLEX® VSM-S01



**Properties and Applications**  
Light weight, self supporting profile hose for vacuum applications e.g. on domestic vacuum cleaners, crush proofed

**Structure**  
TPO (Thermoplastic Polyolefin), silver

**Temperature Resistance**  
- 50°C up to + 60°C

**Diameter Range**  
13 - 70 mm

**Optional**  
also available with coloured protection shoulder

VACUFLEX® VSM-A



**Properties and Applications**  
Light weight, self supporting profile hose for vacuum applications e.g. for semi-professional industrial vacuum cleaners and for power tools, antistatic ( $R \leq 10^9$  Ohm), crush proofed

**Structure**  
TPO (Thermoplastic Polyolefin), black

**Temperature Resistance**  
- 50°C up to + 60°C

**Diameter Range**  
25 - 80 mm

**Optional**  
also available with coloured protection shoulder

VACUFLEX® VSM-EL



**Properties and Applications**  
Light weight, self supporting profile hose for professional industrial vacuum cleaners - also for ATEX zones, electro conductive ( $R \leq 10^6$  Ohm), with protection shoulder and crush proofed

**Structure**  
TPO (Thermoplastic Polyolefin), black

**Temperature Resistance**  
- 50°C up to + 60°C

**Diameter Range**  
27 - 50 mm

**Optional**  
also available with coloured protection shoulder

# INDUSTRIAL AUTOMATIC SRUBBERS

## VACUFLEX® MG-V-FLEX



**Properties and Applications**  
Flexible hose for automatic scrubbers (for the suction at squeegee or water tank recovery), ripped wall for better gliding, orthophthalate-free

**Structure**  
Soft-PVC, black with PVC coated spring steel wire

**Temperature Resistance**  
- 10°C up to + 70°C

**Diameter Range**  
25 - 50 mm

**Optional**  
stretchable version without rib structure

## VACUFLEX® VAT Elastic



**Properties and Applications**  
Flexible multipurpose hose for industrial automatic scrubbers (for the suction at squeegee or water tank recovery), orthophthalate-free

**Structure**  
PVC, black with double layer wall, yarn reinforcement and PVC-coated spring steel wire

**Temperature Resistance**  
- 10°C up to + 85°C

**Diameter Range**  
25 - 102 mm

## VACUFLEX® K1H-PU



**Properties and Applications**  
Very flexible and durable hose for professional cleaning applications e.g. for scrubbers (for the suction at squeegee or water tank recovery) and steam cleaners, oil resistant

**Structure**  
Polyether-Polyurethane, black with PU coated spring steel wire

**Temperature Resistance**  
- 40°C up to + 90°C (short term up to +125°C)

**Diameter Range**  
8 - 308 mm

**Optional**  
flame retardant version with UL certification

## VACUFLEX® K1H-PU-ECO-MAX



**Properties and Applications**  
Very Flexible and durable hose for professional cleaning applications e.g. for high end vacuum or steam cleaners and professional industrial scrubbers (squeegee and tank recovery), oil resistant, with outside convolution for better flow rate

**Structure**  
Polyether-Polyurethane, black with PU coated spring steel wire

**Temperature Resistance**  
- 40°C up to + 90°C (short term up to +125°C)

**Diameter Range**  
8 - 308 mm

## VACUFLEX® KD-PU Stretch



**Properties and Applications**  
Stretchable hose for automatic scrubbers, domestic and industrial vacuum cleaners, can be extended up to 4x of its relaxed length

**Structure**  
Polyether-Polyurethane, black with coated spring steel wire

**Temperature Resistance**  
- 40°C up to + 90°C (short term up to +125°C)

**Diameter Range**  
29 - 51 mm

**Optional**  
made of PVC with a stretch ratio up to 1:6

## VACUFLEX® KD-PU Semi-Stretch



**Properties and Applications**  
Semi-stretchable/compressible hose for automatic scrubbers, domestic and industrial vacuum cleaners, can be extended and compressed up to 2x of its relaxed length

**Structure**  
Polyether-Polyurethane, black with coated spring steel wire

**Temperature Resistance**  
- 40°C up to + 90°C (short term up to +125°C)

**Diameter Range**  
29 - 51 mm

## VC2-PU Transparent



**Properties and Applications**  
Light weight and flexible hose for fresh water tank recovery with integrated water level indication option, fully transparent

**Structure**  
Polyether-Polyurethane, transparent with rigid PVC spiral

**Temperature Resistance**  
- 20°C up to + 80°C

**Diameter Range**  
13 - 51 mm

**Optional**  
available with orange ball as water level indicator

## FLEXACIER® LT



**Properties and Applications**  
Flexible hose, for any kind of liquids incl. solutions or alcohol up to 20%, also for water level indication, food grade according to EC regulation no. 10/2011 for food simulant A/B/C, orthophthalate-free

**Structure**  
Soft-PVC, transparent with alvanized spring steel wire

**Temperature Resistance**  
- 5°C up to + 65°C

**Diameter Range**  
10 - 102 mm

**Optional**  
version for alcohol up to 50%

# FLOW CONTROL CUFFS & ASSEMBLIES

Flow Control Cuffs -  
2nd Generation



Standard over-moulded or screw-on cuffs with bayonetted cap assemblies for flow control by squeezing - used for automatic scrubbers - in 38 or 50mm

Flow Control Cuffs -  
3rd Generation



Over-moulded cuffs with quick screw type cap assemblies for flow control by squeezing - used for automatic scrubbers - in 38 or 50mm

Customized Flow  
Control Cuffs



Customized over-moulded cuffs with cap assemblies for flow control by squeezing - mainly used for automatic scrubbers - in 38/50/63/76mm possible

Flow Control Hose-Valve  
Assemblies



Combination of over-moulded hoses with outside threaded cuffs and assembled ball valves for flow control at tank recoveries of scrubbers - in 25/32/38/50/63/76 mm possible



# INDUSTRIAL VACUUM CLEANERS & STREET CLEANERS



## SMOOTHFLEX PU C IND



### Properties and Applications

Very flexible hose for suction of abrasive particles, granules, dust, oily particles - also for outside use, oil resistant

### Structure

Polyether-Polyurethane, transparent with rigid PVC spiral

### Temperature Resistance

-30°C up to +80°C

### Diameter Range

20 - 300 mm

### Optional

with 1.0/1.4 mm wall thickness or additional grounding wire

## SMOOTHFLEX PU FOOD



### Properties and Applications

Very flexible hose for suction of abrasive particles, granules, dust, oily particles - especially in the food and pharma industry, food grade according to EC regulation no. 10/2011 for food simulant A/B/C/D1/D2/E

### Structure

Polyether-Polyurethane, transparent with rigid PVC spiral

### Temperature Resistance

-30°C up to +80°C

### Diameter Range

20 - 300 mm

### Optional

with 1.0 or 1.4 mm wall thickness

## SMOOTHFLEX PU FOOD ANT



### Properties and Applications

Very flexible hose for suction of abrasive particles, granules, dust, oily particles - especially in the food and pharma industry, food grade according to EC regulation no. 10/2011 for food simulant A/B/C/D1/D2/E

### Structure

Polyether-Polyurethane, transparent with rigid PVC spiral and copper wire for grounding

### Temperature Resistance

-30°C up to +80°C

### Diameter Range

20 - 300 mm

### Optional

1.0/1.4/2.0 mm wall thickness

## Serie 3 PVC S UL94-V0



### Properties and Applications

Light weight and very flexible ducting for suction of air, fumes and dust, discharging of liquids without pressure, flame retardant according to UL 94-V0, orthophthalate-free

### Structure

PVC, grey with rigid PVC spiral

### Temperature Resistance

-5°C up to +60°C

### Diameter Range

16 - 300 mm



## VACUFLEX® PU 400 C ECO



### Properties and Applications

Light weight and very flexible hose for suction and conveying of abrasive particles and granules or oily dust - also for outside use, compressible

### Structure

Polyether-Polyurethane, transparent with spring steel wire

### Temperature Resistance

- 40°C up to + 100°C

### Diameter Range

25 - 600 mm

### Optional

with 0.6 mm wall thickness, flame retardant and/or permanently antistatic

## FLEXADUX® PU 0.7 ECO



### Properties and Applications

Light weight and flexible hose for suction and conveying of abrasive particles and granules or oily dust, smooth bore, oil resistant

### Structure

Polyether-Polyurethane, transparent with spring steel wire

### Temperature Resistance

- 40°C up to + 100°C

### Diameter Range

25 - 600 mm

### Optional

with 1.0 or 1.4 mm wall thickness, flame retardant and/or permanently antistatic

## FLEXADUX® P2 PU FOOD



### Properties and Applications

Light weight and flexible hose for suction of abrasive particles, granules, dust, oily particles - especially in the food and pharma industry, food grade according to EC regulation no. 10/2011 for food simulant E

### Structure

Polyether-Polyurethane, transparent with stainless steel wire

### Temperature Resistance

- 40°C up to + 100°C

### Diameter Range

25 - 800 mm

### Optional

0.7/1.0/1.4 wall thickness and permanently antistatic

## FLEXADUX® P7 L PU EL



### Properties and Applications

Flexible hose for conveyance of abrasive materials, transport of granules, for hazardous areas (ATEX), electrically conductive ( $R \leq 10^4 \text{ Ohm}$ ), conform to ATEX and TRGS 727

### Structure

Polyether-Polyurethane, black with PU coated spring steel wire

### Temperature Resistance

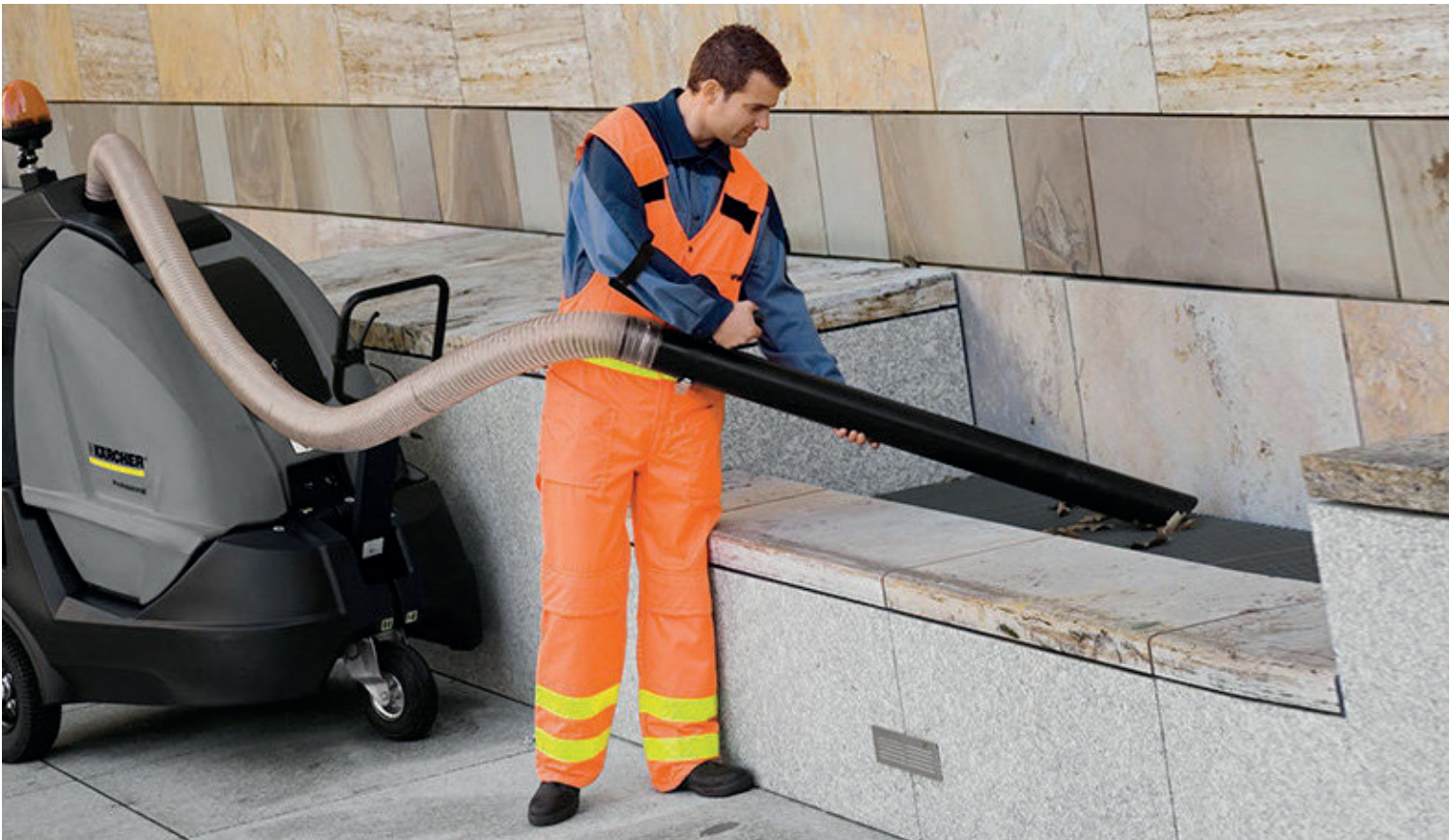
- 40°C up to + 100°C

### Diameter Range

25 - 500 mm

### Optional

with 1.4 mm wall thickness



# WATER DELIVERY & SPRAYERS



APDatec 840



**Properties and Applications**  
Flexible single layer hose for the transport of air and liquids in food and pharmaceutical industries, suitable for transfer of alcohol up to 20 % long-term, used in the chemical industry and as protection on sensible surfaces, food approved according to EG regulation no. 10/2011 for food simulants A, B and C

**Structure**  
Soft-PVC, transparent

**Temperature Resistance**  
- 20°C up to + 65°C

**Diameter Range**  
4 - 90 mm

**Optional**  
oil or fuel resistant version

APDatec 81



**Properties and Applications**  
Flexible multi-layer hose for the transport of liquid food or air-pressure, in the chemical industry or other industrial applications, food approved according to EG regulation no. 10/2011 for food simulant A, B and C, phthalate-free and protected from weather influences

**Structure**  
PVC, transparent with Polyester fabric, white

**Temperature Resistance**  
- 20°C up to + 65°C

**Diameter Range**  
4 - 50 mm

APDatec 82



**Properties and Applications**  
Flexible multi-layer hose for liquids, gases and pesticides in agriculture and other industries that requires high pressure, ozone and UV resistance, protected from the weather, suitable for a variety of chemical substances, phthalate-free

**Structure**  
Soft-PVC, blue with Polyester fabric, white

**Temperature Resistance**  
- 20°C up to + 65°C

**Diameter Range**  
9 - 25 mm

SMARTFLEX SMT Comfort



**Properties and Applications**  
5-layer Soft-PVC hose for gardening and irrigation with advanced anti-torsion mesh, the SMT-fabric prevents knots and kinks by simply passing on the twist through the weaving technique of the fabric over the length of the hose, algae and UV protection, phthalate-free

**Structure**  
5-layer Soft-PVC hose with Polyester fabric, grey with orange stripes

**Temperature Resistance**  
- 15°C up to + 65°C

**Diameter Range**  
12,5 - 25 mm



**Straight Cuffs**



Standard screw type cuffs with standard thread for different kind of flexible hoses for an easier connection - also available with closure caps

**Swivelling Cuffs**



Standard swivelling cuffs with a VSM thread - available as male or female solution

**Couplings**



Screw type couplings to connect flexible hoses to expand total working length - with standard threads on both ends

**Couplings with Outlet**



Standard screw type cuffs with a standard thread and an outlet; for different kind of flexible hoses - mainly used for pneumatic power tools in combination with vacuum cleaners

**Straight Cuffs with Clamp Section**



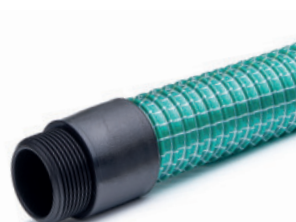
Straight over-moulded cuffs with hose clamp section for an easier assembly and tightening together with regular worm drive hose clamp

**90° Elbow Cuffs**



Over-moulded elbow cuffs for easy connections where small bending radiuses are required - also available with clamp sections

**Straight Cuffs with Outside Thread**



Straight over-moulded cuffs with standard external threads for an easier connection to tanks with a locking nut

**Conical Cuffs for Refill Hoses**



Conical over-moulded cuffs - assembled with stretchable rubber cap for an easier connection to standard taps for refilling of fresh water tanks

# CUSTOMIZED CUFFS - DIRECTLY OVER-MOULDED

**Straight Cuffs with Integrated Inlet**



Custom designed straight connection cuff with integrated inlet for additional solution dosage during operation

**Straight Cuffs with Integrated Sealing**



Custom designed cuffs for quick and easy assembly - featuring an integrated sealing - for movable points of connections (e.g. folded arms)

**Straight Cuff with Outside Thread**



Straight over-moulded cuffs with standard external thread for an easier connection (e.g. in the combination of ball valves or with sealings and locking nuts)

**Angle Cuff**



Customized designed over-moulded 35°/45°/75° angle cuffs where only limited space is available or for better airflow

**Metal/Plastic Combinations**



Directly over-moulded or casted-on solutions for thermoplastic hoses on metal connectors - 100% tight - for low pressure or vacuum applications

**Straight Cuffs with Integrated Caps**



Directly over-moulded cuffs featuring integrated cap - made as one piece - for economical entry level scrubbers or wet/dry vacuum cleaners

**Straight cuffs with locking nut**



Directly over-moulded cuffs with a locking nut to be directly assembled to a pipe or tank connection with outside thread

**Extended Elbow Cuffs**



Customized directly over-moulded elbow cuff featuring an extended connection ID and integrated functions - e.g. to plugin sensors

## ACCESSORIES

**Handle for TWINFLEX**



Handle with integrated button function - newly designed for steam cleaning vacuum units in combination with the TWINFLEX hose - a complete set of accessories is available

**Protection Cages**



Customized solution to avoid stress cracking in the hose wall during frequent bending cycles. The semiflexible protection cage takes out the bending stress force of the flexible hose when extremely bent

**Step Cuffs**



Step cuff featured with different outside conical diameters (male fit) to be connected to various outlets of hand-held power tools

**Silencers**



Special hose assembly to reduce the level of noise of suction motor air outlets in automatic scrubbers where silent mode is needed, e.g. in hospitals

### Hose Clips



Fixings for hoses and hose assemblies, e.g. used at industrial scrubbers for discharge hoses in black, blue or red (for fresh or used water tank)

### Hook-on Clips



Fixings for hooked tubes, pneumatic hoses or cables on vacuum hoses, e.g. in pneumatic power tools or spray extraction units

### Siphon Clips



Clips with two or three folds - used at industrial automatic scrubber for squeegee hoses to avoid water drops on the floor while unit not being used

### Caps/Lids with Strap



Caps/Lids with straps to close standard cuffs - available for 25/32/38/50 mm cuffs and systems

### Water Level Indication



Orange floating ball in a transparent flexible hose to indicate the water level at fresh water tanks - mainly used with automatic scrubbers

### T- and Y-Connectors



Connectors with outside thread to connect three flexible hoses - available as T and Y connector - for flexible hoses with an ID of 25/32/38/50 mm

### Quick Connectors & more



Quick connectors and accessories for water hoses like SMT SMARTFLEX Comfort - compatible with common/standard systems

### Brass Fittings & more



Wide range of professional fittings, quick coupling and accessories made of brass - compatible with common/standard systems

## HOSE CLAMPS

### Bridge Clamps



Special hose clamps featuring a bridge, made of galvanized steel (W1) or stainless steel (W4) - for left or right hand pitch according to spiral hose

### Clamps with Worm Drive



Standard hose clamps for light weight hoses, ducting and cuffs - band width 9mm or 12mm - made of galvanized steel (W1) or stainless steel (W4)

### Wire Hose Clamps



Special hose clamps for light and medium heavy duty hoses and ducting - made of galvanized steel (W1) or stainless steel (W4)

### Hinge Bolt Clamps



Heavy duty hose clamps for medium and heavy duty hoses - made of galvanized steel (W1)



# SCHAUENBURG

## HOSE TECHNOLOGY GROUP

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

