

VACUFLEX®

Reinforced Hoses, Ducting & Assemblies

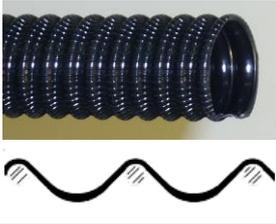
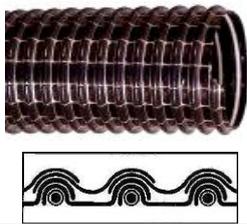
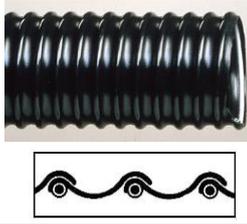
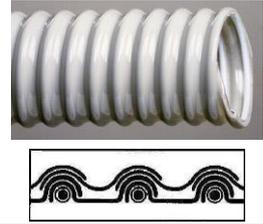
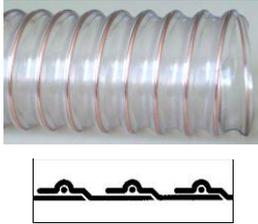
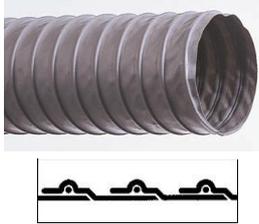


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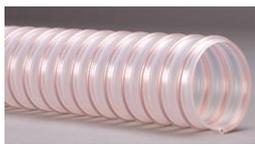


A **SCHAUENBURG** HOSE TECHNOLOGY COMPANY

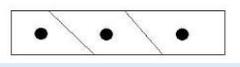
VACUFLEX® Hoses – with steel wire reinforcement

Type	MG-V-Flex	VAT elastic	K1H-PU	K2 / K2-PU-UL
Cross Section				
Structure	Light, highly flexible PVC hose, outside rib structure, reinforced with PVC-coated steel wire	Double ply flexible PVC hose, reinforced with nylon yarns and PVC-coated steel wire	Light, highly flexible TPU hose, reinforced with TPU-coated spring steel wire	Flexible Hose, made of double ply PVC or TPU, reinforced with PVC or TPU coated steel wire
Application	Squeegee and discharge hose for scrubbers, cable protection	Squeegee and discharge hose for scrubbers, cable protection	Cable protection, warm air supply, ventilation, safety breathing masks	Cable protection, Vacuum feeding hose for lifting equipment
Temp.	-10°C to +70°C	-5°C to +80°C	-40° to +90°/125°C	-40° to +90°/125°C
ID	13-51mm	25-102mm	8-350mm	8-350mm
Std. Colour	Black	Black	Black	Black
Options	Also available in TPU	Also available in TPU or EPDM/PP	Also available with UL certification	Also available with UL certification
Type	MG-S Stretch	KD-PU Stretch	PVC400C	PVC-VENT
Cross Section				
Structure	Highly flexible PVC stretch hose which can be extended to 4x of normal length (with steel wire)	Like MG-S Stretch, but made of microbe and hydrolysis resistant Polyurethane (TPU)	Ultra light and highly flexible PVC hose, wall thickness of 0,4mm, steel wire reinforcement	Made of a flame retardant PVC coated polyester fabric, with spring steel wire reinforcement
Application	Vacuum cleaner suction hose, hose for automatic scrubbers	High performance suction hose, hose for hair dryers, warm air supply	Light dust and fume extraction, soft material handling, ventilation	Ventilation, air conditioning, welding fume extraction
Temp.	-10°C to +70°C	-40° to +90°/125°C	-10°C to +70°C	-30°C to +100°C
ID	25-50mm	20-254mm	25-508mm	25-508mm
Std. Colour	Black	Black	Transparent	Grey
Options	Also available as KD-PVC New with 1:6 stretch ratio	Also available as semi-stretch (=ratio 1:2 and 2:1)	PVC600C = 0,6mm PVC900C = 0,9mm tape thickness	Flame retardant acc. to DIN 4102 or M1 classification

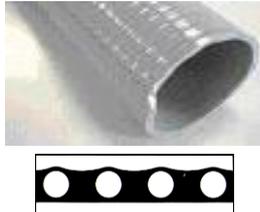
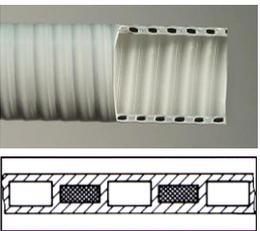
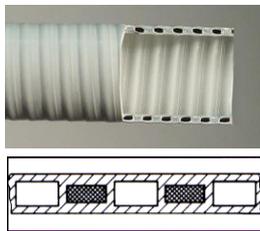
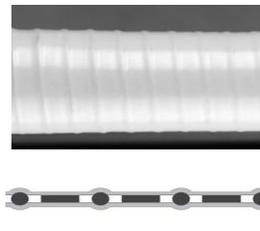
VACUFLEX® Hoses – with steel wire reinforcement

Type	PU400E compressible	PU400C compressible	K1Z Series light & medium series	PU Profi Line smooth interior
Cross Section				
Structure	Ultra light and highly flexible hose, made of Ester TPU, with spring steel wire reinforcement	Like PU400E, but made of TPU Ether (= microbe and hydrolysis resistant)	Light and highly flexible hose, made of Ether TPU with spring steel wire reinforcement	Very smooth inside hose, made of Ether TPU with spring steel wire reinforcement
Application	Dust extraction, ventilation, warm and hot air supply	Dust extraction, ventilation, warm and hot air supply	Material handling & suction hose for abrasive particles	Material handling for extremely abrasive goods
Temp.	-40° to +90°/125°C	-40° to +90°/125°C	-40° to +90°/125°C	-40° to +90°/125°C
ID	25-609mm	25-609mm	25-609mm	20-609mm
Std. Colour	Transparent	Transparent	Transparent	Transparent
Options	PU400E = 0,4mm PU600E = 0,6mm PU900E = 0,9mm (also in ECO available)	PU400C = 0,4mm PU600C = 0,6mm PU900C = 0,9mm (also in ECO available)	K1Z-LC-PU = 0,4mm K1Z-MC-PU = 0,6mm K1Z-SC-PU = 1,0mm K1Z-SSC-PU = 1,2mm (also in TPU Ester available)	PU 7 C ECO = 0,7mm PU 10 C ECO = 1,0mm PU 14 C ECO = 1,4mm PU 25 C ECO = 2,5mm PU 35 C ECO = 3,5mm (also in TPU Ester available)
Type	TPU High Temp.	TPU Antistatic/Conductive	TPU Flame Resistant	TPU Food
Cross Section				
Structure	made with heat resistant TPU material	made with antistatic or conductive TPU materials	made with flame retardant TPU materials according to DIN 4102- B1	made with food grade TPU materials
Application	Material dryers, hot air supply	Material handling hose for light materials and powders	Special hose for woodworking industry	Special hose for food processing or pharmaceutical industry
Temp.	-40° to +140°/165°C	-40° to +90°/125°C	-40° to +90°/125°C	-40° to +90°/125°C
ID	25-609mm	25-609mm	25-609mm	25-609mm
Std. Colour	Transparent	Transparent / Black	Transparent	Transparent
Options	In different construction types available	In different construction types available	In different construction types available	In different construction types available – also with stainless steel wire

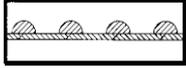
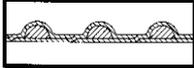
VACUFLEX® Hoses – with steel wire reinforcement

Type	K1H-TPR	TPR-VENT	Serie 6 PUR M1	GF2S ECO
Cross Section				
Structure	Light and flexible EPDM/PP (TPR) hose, reinforced with PP-coated spring steel wire	One ply TPR-coated polyester fabric with spring steel wire and outside wear strip profile	Light and flexible duct, made of PU-coated polyester fabric with spring steel wire	Light and flexible duct, made of silicone coated glass fibre fabric with steel wire
Application	Air intake for air compressors and engines (automotive)	Warm air ducting, air intake, exhaust gas suction hose	Hot air supply, material dryers, chemical industry, air intake	Hot air supply, material dryers, chemical industry, air intake
Temp.	-40° to +135°/150°C	-40°C to +150/170°C	-40°C to +180°C	-60°C to +310°C
ID	8-350mm	40-200mm	50-500mm	19-305mm
Std. Colour	Black	Black	Green	Red
Options	Also available with UL certification	Crush proofed version with Polyamide spiral available (TPR-VENT PA)	Flame retardant	Spiral free ends available upon request
Type	Clip Hypalon	Clip Teflon	Clip Aramid PRO	Flexacier LT/STD
Cross Section				
Structure	Hypalon coated polyester fabric – reinforced with steel wire, clipped with outside Profile	PFTE (Teflon) coated glass fabric – reinforced with steel wire, clipped with outside Profile	One side silicone coated Aramid fabric – reinforced with steel wire, clipped with outside Profile with protection cap	Medium heavy flexible PVC hose, smooth in- and outside, reinforced with steel wire
Application	Suction of hot and corrosive gas and aggressive fumes in chemical industry	Suction of hot and corrosive gas and aggressive fumes in chemical industry	Suction of hot automotive exhausting gas	Suction or pumping hose, material handling, food and beverage industry
Temp.	-40°C to +175°C	-150°C to +250°C	-60°C to +300°C	-5°C to +60°C
ID	50-1000mm	50-1000mm	50-1000mm	10-150mm
Std. Colour	Black/green	Brown	Green/silver	Transparent
Options		Also available in electro conductive version	Special Edition up to +1100°C available	

VACUFLEX® Hoses – with rigid plastic reinforcement

Type	MONOFLEX	FLEX ANT	REDSPIR	VIDASPIR
Cross Section				
Structure	Inside smooth PVC suction hose with rigid plastic helix	Like MONOFLEX but with antistatic copper braid - welded to the outside	Like MONOFLEX, but made of a special PVC – made for alcohols (up to 18%) and food	Like MONOFLEX, but heavier construction for more vacuum resistance
Application	Suction or pumping hose, water supply, material handling, vacuum supply	Material handling	Wine and spirits industry, beverage and food industry, chemical industry	Suction or pumping hose, water supply, material handling, vacuum supply
Temp.	-5°C to +60°C	-5°C to +60°C	-5°C to +60°C	-5°C to +60°C
ID	8-150mm	20-120mm	35-150mm	40-150mm
Std. Colour	Transparent	Transparent	Transparent/red	Grey
Options	Monoflex ECO Monoflex ECO LIGHT Monoflex Super	Also available with TPU inner layer (FLEX ANT PU)	Available also for alcohols up to 50% (REDSPIR SUPER)	Available also for low temperatures (-40°C) (VIDASPIR NT)
Type	KA-GH	KA-GH-PU	VOR-Flex	VC1-Stretch
Cross Section				
Structure	Double walled PVC hose, very flexible, in- and outside very smooth with rigid plastic helix	Like KA-GH, but made of microbe and hydrolysis resistant TPU material	Very light, double walled PVC hose with double PP helix / nylon yarns along the axis	Light weight full plastic stretch hose, made of TPU, with plastic helix (stretch ratio up to 1:4)
Application	Dental suction hose, cable protection in medical (laser) devices	Dental suction hose, cable protection in medical (laser) devices	Dental suction hose, cable protection in medical devices	Floor care, medical care and breather hose for safety breathing masks
Temp.	-10°C to +60°C	-20°C to +90°C	0°C to +50°C	-20°C to +70°C
ID	8-32mm	8-32mm	6-25mm	13-51mm
Std. Colour	Light grey	Light grey	White, grey, black	Black or transparent
Options	Also available in: PP, SEBS, TPE	Also available in: PP, SEBS, TPE	VOR-FLEX 100 (for higher temperature and more vacuum)	Meets the requirements for breather hoses according to DIN

VACUFLEX® Hoses – with rigid plastic reinforcement

Type	VC	VC1	Serie 3 PUR M	Serie 3 PUR M ANT
Cross Section				
Structure	Inside smooth and flexible hose with soft wall and rigid plastic helix welded on the outside	Like VC - but rigid plastic helix is welded on the inside	Like VC - but made of TPU with rigid helix - embedded into wall	Like Serie 3 PUR M, but with additional antistatic copper braid, welded to the outside
Application	Cable protection, medical care, liquid supply, sanitary	Air ducting, safety breathing masks, protection hose, medical care	Suction hose for liquids, dust, granulates and fumes	Material handling in plastic industry and textile industry
Temp.	-40°C up to +120°C	-40°C up to +120°C	-20°C to +80°C	-20°C to +80°C
ID	8-250mm	8-250mm	16-250mm	16-250mm
Std. Colour	Transparent	Transparent	Transparent	Transparent
Options	Also available in: PVC, TPU, PP, PE, EPDM/PP, SEBS, EVA, TPE	Also available in: PVC, TPU, PP, PE, EPDM/PP, SEBS, EVA, TPE	Also available in: Industrial version	Also available in: Industrial version

VACUFLEX® Profile Hoses

Type	VSM-SO1/SO2	VSM	VSM-A	VSM-EL
Cross Section				
Structure	An inside very smooth, crush proof, full plastic flexible hose, made of modified TPO	Like VSM-SO1 but, made of a heavier profile for better vacuum resistance	Like VSM, but made of antistatic TPO (surface resistance $\leq 10^{10}$ Ohms/m)	Like VSM-SO1, but made of electroconductive TPO (surface resistance $\leq 10^6$ Ohms/m)
Application	Floor care equipment, domestic vacuum cleaner, swimming pool	Industrial vacuum cleaners, welding fume extraction, swimming pool	Material handling, dust extraction, industrial vacuum cleaner	Material handling, dust extraction, industrial vacuum cleaner
Temp.	-50°C to +60°C	-50°C to +60°C	-50°C to +60°C	-50°C to +60°C
ID	13-80mm	13-80mm	13-80mm	13-80mm
Std. Colour	Silver or black	Grey or black	Black	Black
Options	VSM-SO1-Pool	VSM-H up to 120°C VSM-HX up to 250°C	Standard screw type electro-conductive cuffs available	Standard screw type electro-conductive cuffs available

VACUFLEX® Standard Cuffs and Couplings – screw type



VACUFLEX® Standard Cuffs and Couplings – directly overmolded



VACUFLEX® Customized Cuffs and Couplings – directly overmolded



Advanced Reinforced Hoses, Ducting and Assemblies – *made by VACUFLEX GmbH*

For many decades **VACUFLEX® advanced reinforced hoses, ducting and hose assemblies** have proven in many different sectors like e.g.:

- air ducting and ventilation
- material handling
- building industry and sanitary
- automotive
- machinery and tooling
- floor care and consumer products
- special medical and dental equipment

These are only a few areas in which our products have been meeting the continually rising standards. **All products are RoHS and REACH compliant.**

High quality raw materials as a result of close cooperation with our suppliers and the constant development of our production processes allow us to offer individual solutions apart from serial production.

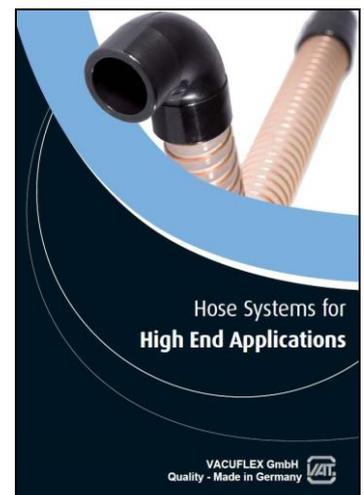
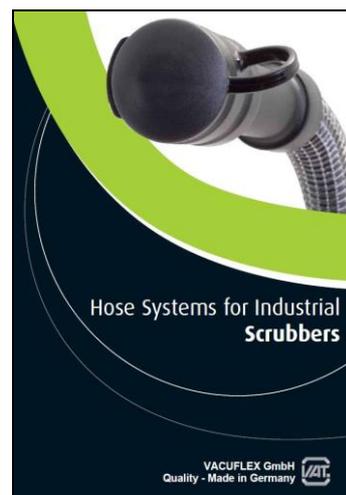
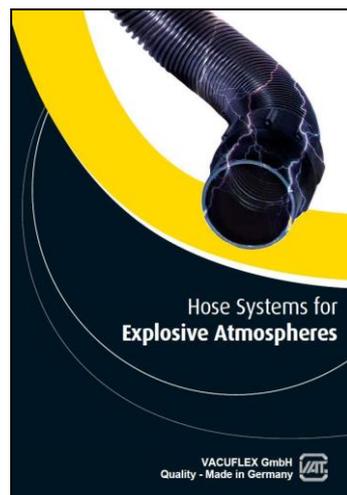
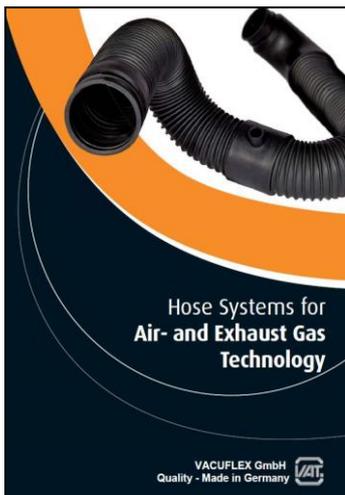
Together with our customers (within long-term partnerships), we develop complete solutions to create a high added value to the entire system. Our comprehensive service includes also expert application advice.

Development, production and the final products are subject to strict high quality control procedures - from test runs of first series, to continuous controls integrated in the production process, to final quality checks.

The international cooperation within the **Schauenburg Hose Technology Group** creates synergies in many areas and strengthens our position in the global market. We have sister companies in Germany, France, Romania, Italy, Turkey, Canada, the U.S.A. and in the People's Republic of China.



Please also ask for our additional brochures for more specific information:



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