





# **VACUFLEX®**

## **Reinforced Hoses, Ducting & Assemblies**



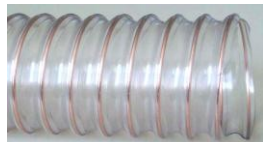
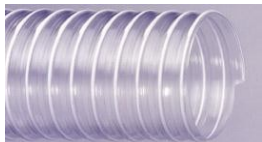


A **SCHAUENBURG** HOSE TECHNOLOGY COMPANY

# VACUFLEX® Hoses – with steel wire reinforcement









Type	<b>MG-V-Flex</b>	<b>K1H-PVC</b>	<b>K1H-PU</b>	<b>P2A1000</b>
Cross Section				
Structure	Light, highly flexible PVC hose, outside rib structure, reinforced with PVC-coated steel wire	Light and flexible PVC hose, reinforced with PVC-coated spring steel wire	Light, highly flexible TPU hose, reinforced with TPU-coated spring steel wire	Made of a <b>flame retardant</b> PVC coated polyester fabric, with steel wire reinforcement
Application	Squeegee and discharge hose for scrubbers, cable protection	(Warm) air supply, cable protection, suction hose for light materials	Cable protection, warm air supply, ventilation, safety breathing masks	Ventilation, air conditioning, welding fume extraction
Temp.	-10°C to +70°C	-10°C to +70°C	-40° to +90°/125°C	-30°C to +100°C
ID	13-51mm	51-350mm	8-350mm	25-508mm
Std. Colour	Black	Black	Black	Grey
Options	Also available in TPU	Also available up to +90°C as K1H-WA	Also available with UL certification	Flame retardancy acc. to DIN 4102 or M1 classification









  

Type	<b>MG-S Stretch</b>	<b>KD-PU Stretch</b>	<b>PVC400C</b>	<b>K1Z-PVC Series</b>
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)	<b>Ultra light</b> and highly flexible PVC hose, wallthickness of 0,4mm, steel wire reinforcement	Medium heavy (or heavy) flexible PVC hose, reinforced with PVC-coated spring steel wire
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	Suction hose for textile & chemical industry, material handling
Temp.	-10°C to +70°C	-40° to +90°/125°C	-10°C to +70°C	-10°C to +70°C
ID	25-50mm	20-254mm	25-508mm	25-508mm
Std. Colour	Black	Black	Transparent	Transparent
Options	Also available as KD-PVC New <b>with 1:6</b> stretch ratio	Also available as semi-strech (=ratio 1:2 and 2:1)	PVC600C = 0,6mm PVC900C = 0,9mm tape thickness	Tape thicknesses from 0,6mm up to 1,7mm available














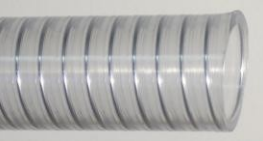




# VACUFLEX® Hoses – with steel wire reinforcement

Type	<b>PU400C</b> economical series	<b>K1Z-C-PU</b> light series	<b>K1Z-C-PU</b> medium heavy series	<b>K1Z-C-PU</b> heavy series
				
Cross Section				
Structure	Ultra light and highly flexible hose, made of Premium TPU, wallthickness 0,4mm, steel wire	Light and highly flexible hose, made of Premium TPU with spring steel wire reinforcement	Medium heavy, flexible hose, made of Premium TPU with spring steel wire reinforcement	Heavy, but flexible hose, made of Premium TPU with spring steel wire reinforcement
Application	Dust extaction, ventiation, warm and hot air supply	Material handling & suction hose for abrasive particles	Material handling	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	25-508mm	25-508mm	25-508mm	25-508mm
Std. Colour	Transparent	Transparent	Transparent	Transparent
Options	PU600C = 0,6mm PU900C = 0,9mm tape thickness	K1Z-LC-PU = 0,4mm K1Z-MC-PU = 0,6mm K1Z-MSC-PU = 0,8mm	K1Z-SC-PU = 1,0mm K1Z-SSC-PU = 1,2mm	K1Z-XSC-PU = 1,5mm K1Z-XSSC-PU = 1,7mm P3 S PU AE = 2,0mm P3 SV PU AE = 2,5mm

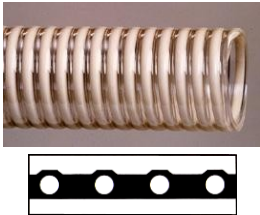
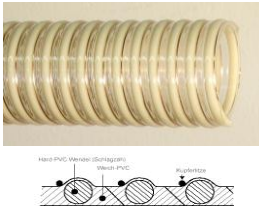
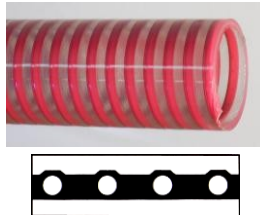

Type	<b>K1Z-E-PU-Heat</b>	<b>K1Z-C-PU-ANT</b>	<b>K1Z-C-PU-FR</b>	<b>K1Z-PU-FOOD</b>
				
Cross Section				
Structure	Like K1Z-C-PU, but made with <b>heat resistant</b> TPU material	Like K1Z-C-PU, but made with <b>antistatic</b> TPU materials, (surface resistance <10 <sup>12</sup> Ohms/m)	Like K1Z-C-PU, but made with <b>flame retardant</b> TPU materials according to DIN 4102	Like K1Z-C-PU, but made with <b>food grade</b> TPU materials and coated steel wire
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°C to <b>+140°C</b>	-40° to +90°/125°C	-40° to +90°/125°C	-40° to +90°/125°C
ID	25-508mm	25-508mm	25-508mm	25-508mm
Std. Colour	Transparent	Transparent	Transparent	Transparent
Options	In different tape thicknesses available	In different tape thicknesses available	In different tape thicknesses available	Also in different tape thicknesses and/or with stainless steel helix av.

# VACUFLEX® Hoses – with steel wire reinforcement

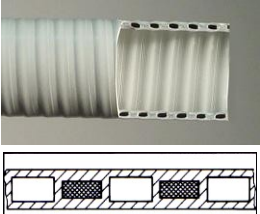
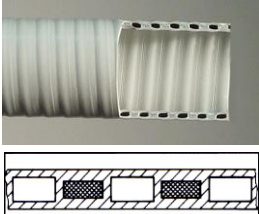
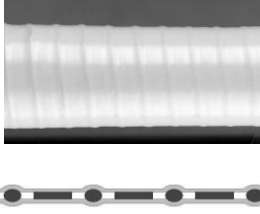

Type	K1H-TPR	GF1N / GF2N	GF1S / GF2S	GF2S <b>ECO</b>
				
Cross Section				
Structure	Light and flexible EPDM/PP hose, reinforced with PP-coated spring steel wire	One or two ply neoprene coated glass fibre fabric with spring steel wire	One or two ply silicone coated glass fibre fabric with spring steel wire	Like GF2S, but made of a more <b>economical</b> silicone coated glass fibre fabric
Application	Air intake for air compressors and engines (automotive)	Warm air ducting, material dryers, chemical industry, air intake	Hot air supply, material dryers, chemical industry, air intake	Hot air supply, material dryers, chemical industry, air intake
Temp.	-40° to +135°/150°C	-50°C to +150°C	-80°C to +310°C	-60°C to +300°C
ID	8-350mm	19-305mm	19-305mm	19-305mm
Std. Colour	Black	Black	Red	Red
Options	Also available with UL certification	Spiral free ends available upon request	Spiral free ends available upon request	Spiral free ends available upon request

Type	Clip Hypalon	Clip Teflon	Clip Kevlar	GE-WS (Food)
				
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 Kevlar fabric – reinforced with steel wire, clipped with outside Profile	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 and corrosive gas and aggressive fumes in chemical industry	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 <b>+1100°C</b> available	Also available in food grade acc. to new EU regulations

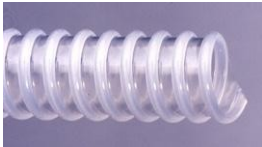

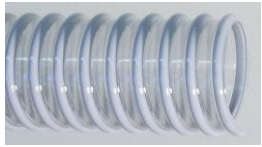
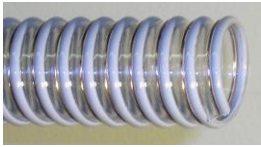
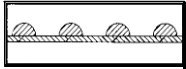

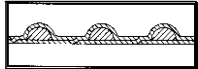

# VACUFLEX® Hoses – with rigid plastic reinforcement

Type	MONOFLEX	FLEX ANT	REDSPIR	VIDASPIR
Cross Section				
Structure	Inside smooth PVC suction hose with rigid plastic helix	Like MONOFLEX but with <b>antistatic</b> copper braid - welded to the outside	Like MONOFLEX, but made of a special PVC – made for alcohols 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	Also available with TPU innerlayer or in food grade PVC	Also available with TPU innerlayer or in food grade PVC		Available in different wall thicknesses









  

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, <b>with plastic helix</b> (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		

# VACUFLEX® Hoses – with rigid plastic reinforcement

Type	VC	VC1	Serie 3 PUR S	Serie 3 PUR 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 (food grade available)	Like Serie 3 PUR S, but with additional <b>antistatic</b> 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: PVC, PP, PE, EPDM/PP, SEBS, EVA, TPE	Also available in food grade

## VACUFLEX® Profile Hoses

Type	VSM	VSM-A	VSM-EL	VSM-H
				
Cross Section				
Structure	An inside very smooth, crush proof, full plastic flexible hose, made of modified EVA	Like VSM, but made of <b>antistatic</b> EVA (surface resistance <10 <sup>12</sup> Ohms/m)	Like VSM, but made of <b>electro conductive</b> material (surface resistance <10 <sup>6</sup> Ohms/m)	Like VSM but, made of heat stabilized TPE material
Application	Material handling, Protection, Welding fume extraction, floor care	Material handling, dust extraction, industrial vacuum cleaner	Material handling, dust extraction, industrial vacuum cleaner	Chemical industry, hot air supply
Temp.	-50°C to +60°C	-50°C to +60°C	-50°C to +60°C	-60°C to +120°C
ID	13-102mm	13-102mm	13-102mm	13-80mm
Std. Colour	Grey	Black	Black	Black
Options	Standard screw type cuffs available	Standard screw type electro conductive cuffs av.	Standard screw type electro conductive cuffs av.	Special oil resistant version also available



## VACUFLEX® Cuffs and Couplings – Screw Type



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## VACUFLEX® Standard Cuffs and Couplings – Directly Overmoulded



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## VACUFLEX® Customized Cuffs and Couplings – Directly Overmoulded



# Advanced Reinforced Hoses, Ducting and Assemblies – *made by VACUFLEX GmbH (Germany)*

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.

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.

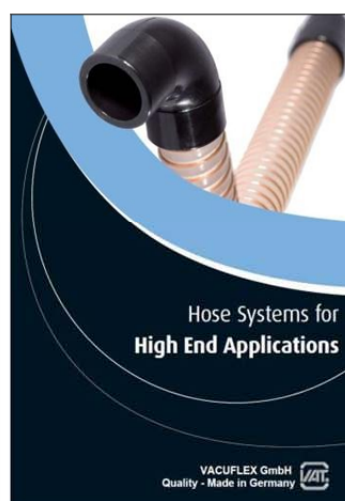
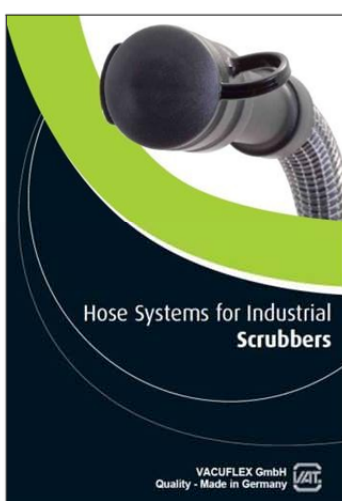
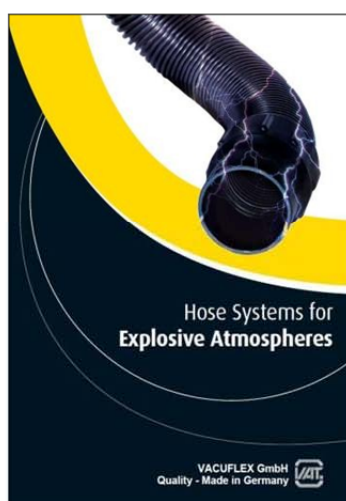
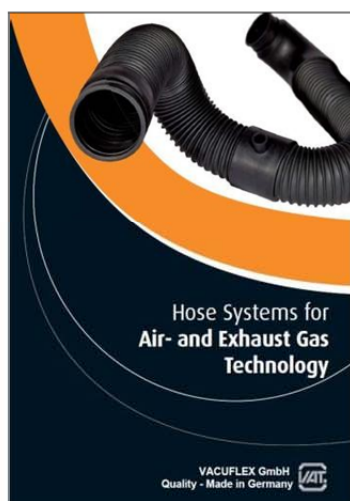
Together with our customers (within long-term partnerships), we develop complete solutions to create a high added value to the entire system.

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, 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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