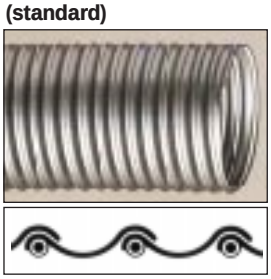
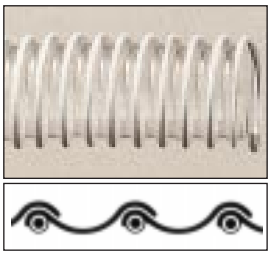
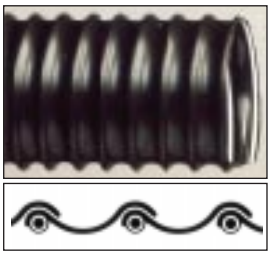
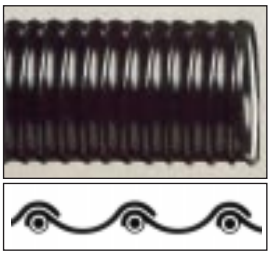
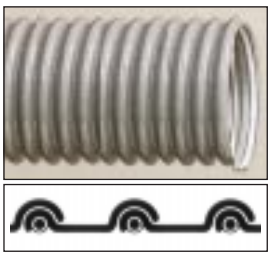
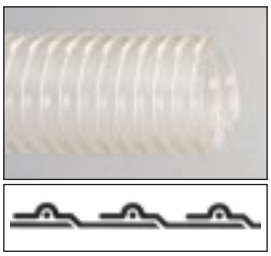
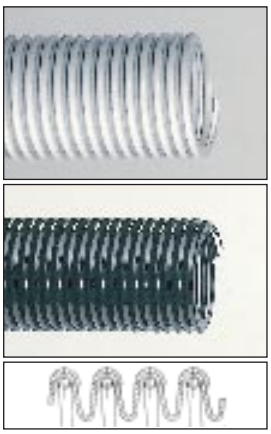
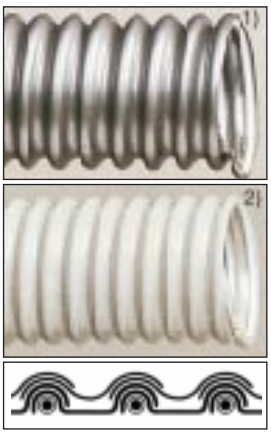
VACUFLEX®

Plastic Hoses

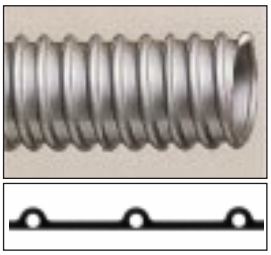
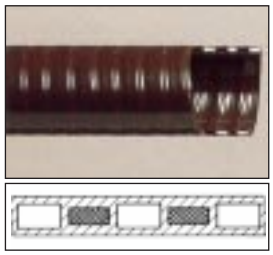
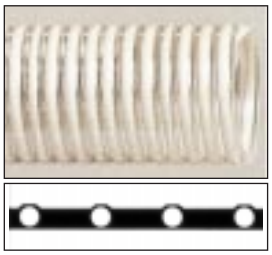
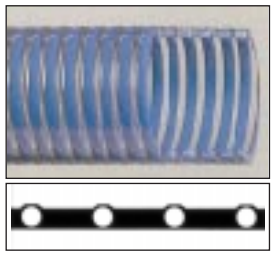
VACUFLEX GmbH

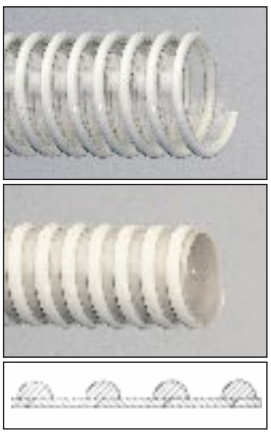
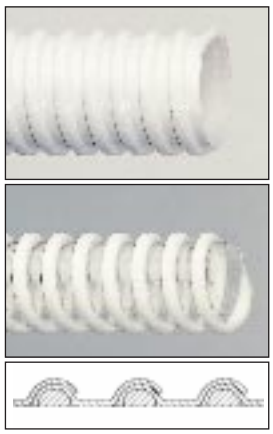
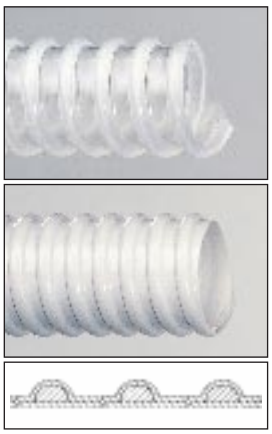
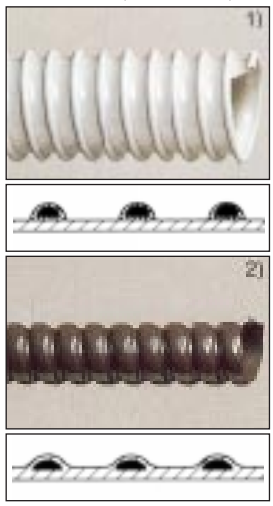
Hoses – with steel-wire reinforcement

Type	**K1H-ST 7100 (standard)**	**K1H 7110**	**K1H-WA 7111**	**K1H-PU 7118**
				
Construction/ Features	Light, highly flexible PVC-hose, reinforced with coated steel-wire welded to the outer bore which is made of high quality soft PVC	As type K1H-ST 7100	As type K1H-ST, but outer coat made of heat-resistant, flame-rejecting (acc. to VDE 0472) soft PVC; almost smooth inside	Light, highly flexible polyurethane hose; combines high tensile strength with enormous breaking elongation and anti-abrasion
Applications	Universally applicable, e.g. cable protection hose for electrical and machine industry, for the textile, wood, plastic and chemical industry as suction, blow and/or transport hose	Universally applicable as K1H-ST; particulary due to the transparency usable as suction and transport hose for the wood and textile industry	Warm and hot air supply for automotive, electronic and computer industry	For granulate conveyors, warm and hot air supply, vacuum cleaners and electrical appliances
Temperature	– 10° – + 70° C	– 10° – + 70° C	– 10° – + 90° C	-40° – +90° C (short-term +110° C)
Lengths/m	7 / 10	7 / 10	7 / 10	7 / 10
ins. Dia./mm	10 – 300	10 – 300	10 – 200	12 – 300
Colour	silver-metallic	transparent	black	black or transparent

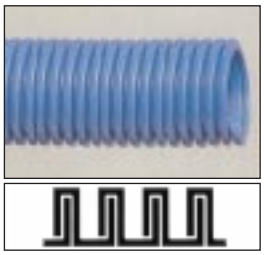
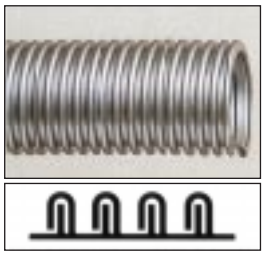
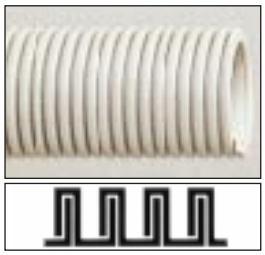
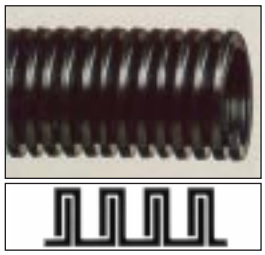
Type	**K1/KWL 7130/7140**	**K1Z-L 7190** **K1Z-L-PU 7198**	**KD-PVC** **KD-PU**	**K2 7160** **K2-UL 7425**
				
		K1Z-L light K1Z-M medium heavy K1Z-S heavy		
Construction/ Features	Medium heavy flexible hose; construction as type K1H-ST but with stronger PVC wall	Light, highly flexible PVC hose, smooth inside, steel-wire embedded in the wall	Outer bore of soft PVC or PU and PVC-coated spring steel wire welded to outer bore. Highly flexible hose which can be extended to 2 to 4 times its normal length; it returns to normal length when released.	Doubled-walled, robust, highly flexible hose; construction as type K1 but with additional external PVC-ply; UL-approbation obtained by use of special material (class YDRQ2)
Applications	Ventilation, suction and transport hose for the wood, textile and chemical industry, small dimensions up to 50 mm as cable protection hose	Universally applicable as suction, blow and/or transport hose for textile, wood, plastics and chemical industry, with minium flow resistance	Household vacuum cleaners, industrial extractor equipment, dust and fume extraction, driers, medical technology	Hose for industry and domestic vacuum cleaner, cable protection hose for medical industry etc.
		PVC: PU:	PVC: PU:	
Temperature	– 10° – + 70° C	-10° – +70°C -40° – +90°C	-10° – +70°C -40° – +90°C	– 10° – + 70° C [1] [2]
Lengths/m	5 / 7 / 10	7/10	1 – 4	10 [1], 10/20 [2]
ins. Dia./mm	10 – 500	30 – 120	20 – 51	20 – 100 [1] [2]
Colour	grey or transparent	grey or transparent	grey or black	silver-metallic [1], beige [2]

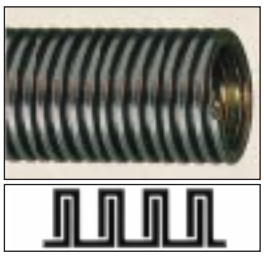
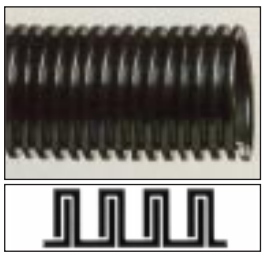
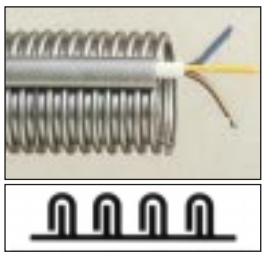
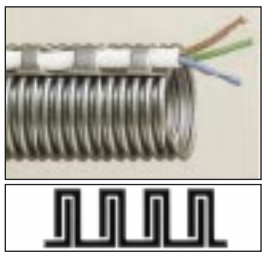
Hoses – with rigid-PVC reinforcement

Type	KA 7200	KA-GH 7282 KA-GH-PU 7288	MS 7310	MS-AL 7314
				
Construction/ Features	Inside smooth full plastic hose, very light and flexible, rigid-PVC-reinforcement embedded to the soft-PVC-bore	Double-walled, flexible soft-pvc-hose, inside and outside smooth, with rigid-pvc-helix and hollow running parallel to helix	Medium heavy suction and discharge hose; construction as type KA but with stronger wall and helix	As MS but soft-PVC anti-static and food-proof for floury and gravel-like victuals; according to XXVII 101. Mitteilung: B. Gesundh. Bl. 17,43 (1974) Ausführung II.
Applications	Full plastic hose for transport of liquid, powdery and gaseous materials, as protective hose etc., also applicable with light over pressure, with minimum flow resistance	Special hose for dental appliances	Transport of liquid, powdery and gaseous materials for chemical and contracting industry, agriculture and horticulture, domestic and sanitary appliances, machine industry etc.	As suction and transport hose for food industry, e.g. tinning factories, large bakeries and silo facilities etc.; also suitable for wood and textile industry
Temperature	– 10° – + 60° C	– 5° – + 60° C	– 5° – + 60° C	10° – + 60° C
Lengths/m	10 / 25	cut lengths resp. by meter	25	25
ins. Dia./mm	10 – 108	8 – 25	13 – 108	13 – 108
Colour	silver-metallic	brown	transparent	transparent with blue helix

Type	VC-PVC 7340 VC-PU 7348	VC1-PVC 7350 VC1-PU 7358	VC2-PVC 7360 VC2-PU 7368	VOR 1 7400 (KA-VOR-1 7407) VOR-D 7433 (KA-VOR-D 7405)
				
Construction/ Features	Soft PVC or PU wall; reinforcement spiral of impact resistant rigid PVC. An inside absolutely smooth full plastic hose, also applicable at low pressures. PU-Version: abrasion-resistant.	Soft PVC or PU wall; reinforcement spiral of impact resistant rigid PVC. An inside absolutely smooth full plastic hose, also applicable at low pressures. Highly flexible and light. PU-Version: abrasion-resistant.	Soft PVC or PU wall; reinforcement spiral of PP embedded in wall. An inside absolutely smooth full plastic hose, also applicable with over-pressure. Highly flexible and light. PU-Version: abrasion-resistant.	Specially light, highly flexible soft-PVC-hose with rigid-PVC-helix, inside absolutely smooth.
Applications	Protective and transportation hose for liquid, gaseous and powder material	Cable protection and transport hose for machine-building and engineering applications.	Protective and transport hose, suction hose for granular materials, special hose for medical appliances	Specially designed as suction hose for dental applicances
	PVC: PU:	PVC: PU:	PVC: PU:	
Temperature	-10°– +60°C -20°– +60°C	-10°– +60°C -20°– +60°C	-15°– +70°C -30°– +90°C	– 5° – + 50° C [1] [2]
Lengths/m	5 – 10	5 – 10	5 – 10	2 – 20 [1] [2]
ins. Dia./mm	10 – 60	10 – 60	10 – 60	8 – 30 [1] [2]
Colour	grey or transparent	grey or transparent	grey or transparent	beige/brown [1] [2]

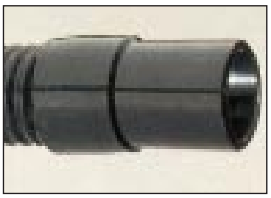
Profile hoses

	VSM 7412	VSM-SO1 7411	VSM-SP 7413	VSM-A 7418
Type				
Construction/ Features	Profile hose made of EVA, wound coiled without additional reinforcement of the helix	Profile hose made of EVA, inside smooth, highly flexible with low flow resistance.	Profile hose made of modified EVA.	Profile hose made of antistatic EVA (surface resistance ≤ 10^{10} Ω)
Applications	An inside smooth full plastic hose with low flow resistance, special hose for swimming pool cleaning, domestic and industrial vacuum cleaners, granulate conveyors, textile machines etc.	Specially for household cleaners	Specially developed for industrial vacuum cleaners and exhaust systems	For industrial vacuum cleaners, textile machines, woodworking machines, granulate conveyors, apparatus construction
Temperature	– 50° – + 60° C	– 30° – + 60° C	– 50° – + 60° C	– 50° – + 60° C
Lengths/m	25	1,8 – 30	25	25
ins. Dia./mm	25 – 80	32 / 38 / 50	25 – 80	25 – 80
Colour	blue or grey	silver-metallic	beige/black	black

	VSM-EL	VSM-H 7419	VSM-E 7432	VSM-ES
Type				
Construction/ Features	Profile hose made of electro conductive EVA, (surface resistance: ≤ 10^{6} Ω)	Profile hose made of polyestor-elastomere with good oil and fuel resistance, abrasion-resistant at high temperature	Light, highly flexible profile hose made of modified EVA with protective hose inserted alongside hose axis for input of electrical conductors, e.g. 2-/3-/4-core (electrical hose till 220 volt)	As type VSM-E, but protective hose cut out segments, helix-wise or partially intermittent
Applications	For industrial vacuum cleanders, textile machines, wood working machines, granulate conveyors, apparatus building	For industrial vacuum cleaners, chemical equipment construction, conveyor and exhaust systems, car-gas exhaust systems	With shortest guidance from vacuum cleaner to grip; also available for spray extraction unit with pressure hose *on demand only*	For input of e.g. multiple core electric conduits or pressure resp. supply hoses, very light, highly flexible *on demand only*
Temperature	– 50° – + 60° C	– 60° – + 120° C	– 20° – + 60° C	– 20° – + 60° C
Lengths/m	25	10/25	cut lengths resp. by meter	cut lengths resp. by meter
ins. Dia./mm	25 – 80	25 – 80	32	32
Colour	black	black	silver-metallic	silver-metallic

Hoses – with screw-type couplings

K2 Code-No. **1014**



VSM Code-No. **1015**

K1 Code-No. **1017**

KU Code-No. **1016**

VSM Code-No. **1018**

VSM S01 Code-No. **1019**

VSM-L Code-No. **1021**

K1H-PU Code-No. **1020**

A wide range of couplings and fittings, to be screwed resp. glued to the VACUFLEX® hoses, is available.

Special versions are being developed in cooperation with our customers.

Hoses – with moulded couplings

K1H-PU Code-No. **1045**

K1H-PU Code-No. **1046**

K1 Code-No. **1047**

KA-GH-PU Code-No. **1048**

K1H-PU Code-No. **1041**

K1 Code-No. **1042**

K1H-PU Code-No. **1043**

K2 Code-No. **1044**

VACUFLEX® hoses can be supplied with couplings and fittings moulded directly to the hose specially designed according to the demands of our customers.

VACUFLEX GmbH is an independent member of the Schauenburg Group of companies and a specialist in hoses and hose assemblies, made of elastomers and thermoplastic materials.

Highly flexible and reinforced plastic hoses from 8 – 500 mm ins. diam. have been produced for the last five decades. We offer the complete solution to your hose and coupling requirements for all fields of application:

- Automotive
- Domestic Appliances
- Air Conditioning Appliances
- Machinery and Equipment
- Medical
- Sanitary

A diversified product range including specific customer developments is available in a wide variety of materials and colours.

Loose couplings and moulded end fittings are available and can be specifically designed to customer requirements.

Development, production and final products are subject to strict quality assurance standards like:

- pre-production test series
- control checks during manufacturing process and
- final test and control procedures, i. e. acc. to DIN, VACUFLEX and customers' standards.

Through many years of experience and with our continued commitment to research and development we have become the „partner" of many major companies in an ever discerning market.

The varying strengths and abilities within our group of companies contribute to the design and development of new innovative products to serve the market place of the future.

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