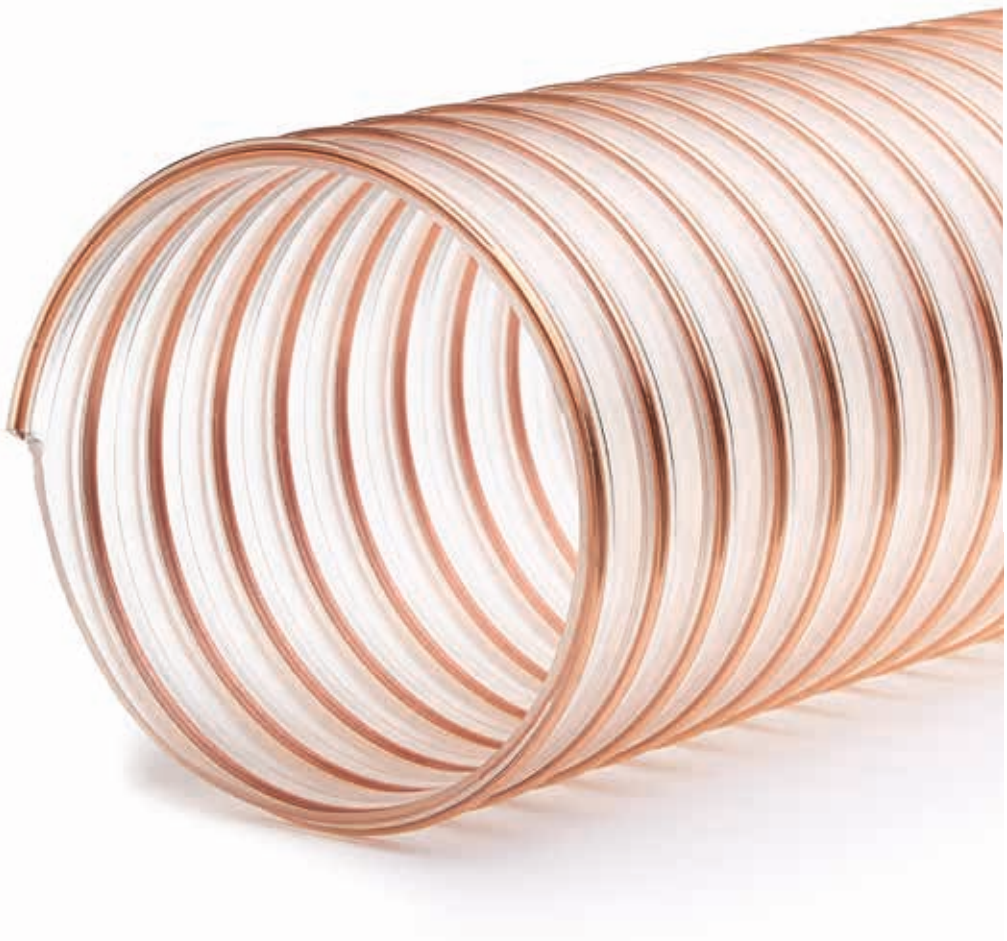
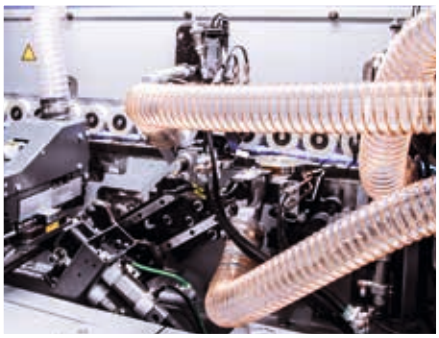
SCHAUENBURG
HOSE TECHNOLOGY GROUP

Product Catalogue

Flexible Hoses and Ducting





Application Index

Find a comprehensive list of all applications and related products on

www.schauenburg-hose.com

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The SCHAUENBURG HOSE TECHNOLOGY Group

The SCHAUENBURG 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, Canada, China and the US, SCHAUENBURG serves customers in 74 countries around the globe. Starting the business in 1953, SCHAUENBURG can draw upon almost 70 years of experience in hose production technology. Like no other company, SCHAUENBURG 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 SCHAUENBURG a highly qualified partner for distributers, wholesalers, retailers, MROs and OEMs equally.

The SCHAUENBURG 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, SCHAUENBURG offers tailormade solutions, which perfectly support customers in mastering specific challenges. Thereby, SCHAUENBURG 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, SCHAUENBURG provides customers with functional hose assemblies, which can be used in more and more applications. With sophisticated solutions from the SCHAUENBURG 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, SCHAUENBURG has accumulated unparalleled know-how of a wide variety of raw materials and manufactures own compounds. Driven by long-lasting tradition, SCHAUENBURG designs trend-setting product and process innovations.

The biggest strength however, are the highly motivated people. At SCHAUENBURG 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, SCHAUENBURG maintains trusting and reliable partnerships with customers – with many for decades. With the SCHAUENBURG HOSE TECHNOLOGY Group customers will always find solutions which perfectly fits.

Sustainability
A Long-Standing Commitment

Hoses with this icon are manufactured with environmental-friendly compounds

Our Commitment to Sustainability

As a family-owned company, sustainable actions have always played an essential role in our business. Today, this is more important than everFor us, corporate sustainability means being sustainable environmentally, economically as well as socially – manifesting sustainable growth. The responsible use of resources in our production processes, the reduction of waste, the use of renewable energy and the efficient processing of raw materials are only some examples of our commitment to sustainability.

Sustainable Energy Production

All our production sites are equipped with photovoltaic systems and state-of-the-art lighting control. At our newest production site in Viersen (Germany) for example, we installed a photovoltaic system with 2750 solar panels, achieving a nominal output of 742.5 kWp. With our photovoltaic systems, we can not only cover the energy consumption of our production processes, but also feed the general power grid and contribute to a higher level of sustainable energy resources available. We are continuously working to improve and optimize our business processes in order to use resources even more efficiently.

Sustainable Water Treatment

We are continuously working hard on reducing the water consumption for our production processes. One good example is our water-cooling cycle. We established water tanks that provide our production with the exact amount of water currently needed. Afterwards the water is reprocessed and reused in the water-cooling cycle. The well-engineered filter technology assures a long-lasting purity of the water and reduces the number of full replacements to only once a year.

Sustainable Production Processes

A decisive milestone to extend our sustainable processes is done with the recycling of our production waste. Furthermore, our R&D team is permanently working on a longer shelf life of our products and are optimizing our work processes with regards to a resource-friendly production.

Sustainable Innovations

As the first German hose producer, we have created a new product range, which combines ecological and economic benefits at once. Our ECO-based spiral hoses are manufactured with specially produced environmental-friendly compounds, equalizing conventional prime materials in purpose and efficiency. These hoses are produced on machines with reduced energy consumption levels. Besides, their ecological advantage, the ECO-based hoses also provide an economical one.

As leading hose manufacturer, we feel the urge for sustainable solutions and are convinced that sustainable technologies, production processes and products make a positive contribution to the environment, to our customers and to our employees equally. We are pleased to live up to this responsibility by taking action – to contribute to build a better future.

food-grade

Hoses with this icon have one or more approvals / certifications of conformity that allow them to be used in food applications. Further details regarding type of approval and certification can be found on product pages.

microbe-resistant

This icon identifies products which are microbe-resistant. The raw material composition and properties of these hoses are designed to withstand organic substances like microbes. This characteristic can be particularly important for outdoor use.

hydrolysis-resistant

Hoses with this icon are resistant to hydrolysis. Hydrolysis is responsible for an irreversible breakdown of polyester chains. It is for example caused by humidity or tropical climate. The result of hydrolysis is a decrease of the mechanical characteristics.

flame-retardant

Schauenburg hoses labelled with this icon are flame-retardant. Further details regarding fire protection standards according to DIN, UL or M1/M2 testings can be found on product pages.

permanently antistatic

This icon identifies products that are antistatic ($R \leq 10^8$ Ohm) due to their specific raw material settings. Products with this icon comply with TRGS 727 and ATEX 2014/34/EU regulations.

electrically conductive

Electrically conductive hoses have an extra raw material setting so that the entire hose is permanently conductive. Hoses with this icon are electrically conductive ($R \leq 10^3$ Ohm) according to TRGS 727 and ATEX-guideline 2014/34/EU. Further details can be found on product pages.

high temperature

Hoses with this icon are specially designed for applications with high or extreme heat.

abrasion-resistant

The advanced material mixture/ construction of hoses with this icon are specially designed for the transport of high volumes of abrasive material.

inside smoothness

This icon marks hoses with an exceptional inner smoothness, which guarantees an optimal material flow, smoother material transport and high flow capacity. Inside smoothness reduces pressure loss and lowers operating costs.

All Schauenburg Hose Technology products are exclusively made with REACH and RoHs compliant materials

Polyurethane (PU) Spiral Hoses

Polyurethane spiral hoses are characterized by outstanding properties and fit for a wide range of applications. PU hoses are lighter and more flexible than other hoses. They are highly abrasion-resistant, which increases service life, durability and operational reliability. On top, they impress with great mechanical characteristics like high elasticity and tensile strength. Compared to other products, they have a good UV and weathering resistance and a better fire behavior. With their unique properties, PU spiral hoses are all-rounder products for many purposes.

SMARTFLEX® 0.4

Light weight and very flexible Polyether-Polyurethane ducting, flame-retardant

Applications	Suction of dust and small particles in the woodworking industry e.g. shavings and dust
Structure	Polyether-Polyurethane, transparent with spring steel wire
Temperature Resistance	– 40° C up to + 100° C (short term up to + 125° C)
Optional	Antistatic (R ≤ 10^8 Ohm) and/or flame-retardant without certificate

microbe-resistant | hydrolysis-resistant | flame-retardant | permanently antistatic | abrasion-resistant

Properties: Flame-retardant according to DIN 4102 B1, excellent abrasion resistance, good oil and petrol resistance, resistant to hydrolysis and microbes, permanently antistatic (R ≤ 10^8 Ohm), conform to TRGS 727 and ATEX 2014/34/EU, very good flexibility even at low temperatures, good compressibility, electrically conductive according to BGI 739-2 by grounding the wire, free of halogen and softeners

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
25	0,40	16	0,60	0,30	0,13	10, 15
30	0,40	20	0,55	0,25	0,15	10, 15
40	0,40	28	0,50	0,25	0,23	10, 15
50	0,40	35	0,40	0,20	0,29	10, 15
60	0,40	42	0,40	0,16	0,34	10, 15
80	0,40	56	0,27	0,10	0,46	10, 15
100	0,40	70	0,20	0,09	0,52	10, 15
120	0,40	88	0,20	0,08	0,61	10, 15
140	0,40	92	0,15	0,08	0,66	10, 15
150	0,40	105	0,10	0,07	0,78	10, 15
160	0,40	114	0,09	0,06	0,85	10, 15
180	0,40	128	0,09	0,06	0,95	10, 15
200	0,40	140	0,08	0,05	1,02	10, 15
215	0,40	185	0,07	0,05	1,14	10, 15
225	0,40	200	0,06	0,04	1,20	10, 15
250	0,40	205	0,05	0,04	1,28	10, 15
300	0,40	210	0,03	0,03	1,54	10, 15
400	0,40	280	0,01	0,01	2,05	10, 15
500	0,40	350	0,01	0,01	2,56	10, 15
600	0,40	400	0,01	0,01	4,60	10, 15
710	0,40	497	0,01	0,01	5,44	10, 15
800	0,40	560	0,01	0,01	6,13	10, 15

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

SMARTFLEX® 0.6

Light weight and very flexible Polyether-Polyurethane ducting, flame-retardant

Applications	Suction of dust and small particles in the woodworking industry e.g. shavings and dust
Structure	Polyether-Polyurethane, transparent with spring steel wire
Temperature Resistance	– 40° C up to + 100° C (short term up to + 125° C)
Optional	Antistatic (R ≤ 10^8 Ohm) and/or flame-retardant without certificate

microbe-resistant · hydrolysis-resistant · flame-retardant · permanently antistatic · abrasion-resistant · inside smoothness

Properties: Flame-retardant according to DIN 4102 B1, excellent abrasion resistance, good oil and petrol resistance, resistant to hydrolysis and microbes, permanently antistatic (R ≤ 10^8 Ohm), conform to TRGS 727 and ATEX 2014/34 EU, very good flexibility even at low temperatures, very smooth bore, electrically conductive according to BGI 739-2 by grounding the wire, free of halogen and softeners

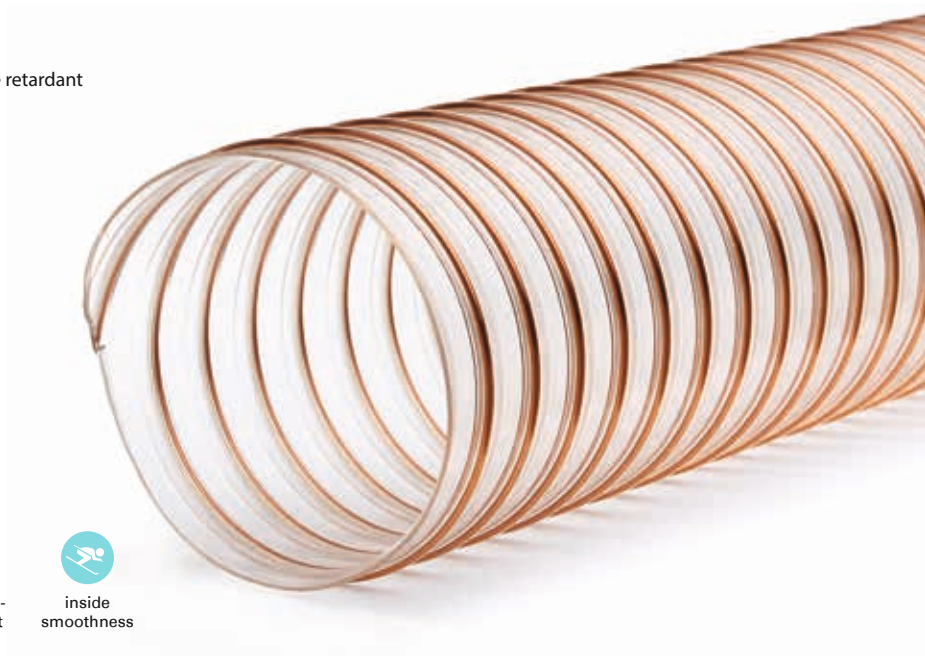
I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
20	0,50	20	1,90	0,55	0,14	10, 15
25	0,50	25	1,70	0,45	0,17	10, 15
30	0,50	30	1,65	0,45	0,19	10, 15
32	0,50	32	1,60	0,42	0,20	10, 15
38	0,50	38	1,50	0,30	0,23	10, 15
40	0,50	40	1,40	0,30	0,25	10, 15
50	0,50	50	1,30	0,28	0,31	10, 15
60	0,60	60	1,10	0,26	0,52	10, 15
75	0,60	75	0,80	0,20	0,65	10, 15
80	0,60	80	0,80	0,20	0,68	10, 15
90	0,60	90	0,70	0,16	0,73	10, 15
100	0,60	100	0,60	0,15	0,83	10, 15
120	0,60	120	0,45	0,14	0,95	10, 15
125	0,60	125	0,40	0,12	1,03	10, 15
140	0,60	140	0,30	0,12	1,12	10, 15
150	0,60	150	0,25	0,10	1,24	10, 15
160	0,60	160	0,22	0,10	1,25	10, 15
180	0,60	180	0,22	0,10	1,51	10, 15
200	0,60	200	0,20	0,09	1,68	10, 15
215	0,60	215	0,20	0,09	1,81	10, 15
225	0,60	225	0,15	0,09	1,90	10, 15
250	0,60	250	0,15	0,08	1,97	10, 15
300	0,60	300	0,12	0,06	2,36	10, 15
350	0,60	350	0,10	0,04	2,75	10, 15
400	0,60	400	0,08	0,02	3,14	10, 15
450	0,60	450	0,04	0,01	3,55	10, 15
500	0,60	500	0,02	0,01	3,94	10, 15

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

SMARTFLEX® 0.7

Medium weight and flexible Polyether-Polyurethane ducting, flame retardant

Applications	Suction of abrasive particles e.g. wooden shavings and chips in the woodworking industry
Structure	Polyether-Polyurethane, transparent with spring steel wire
Temperature Resistance	– 40° C up to + 100° C (short term up to + 125° C)
Optional	Antistatic (R ≤ 10^8 Ohm) and/or flame-retardant without certificate



microbe-resistant | hydrolysis-resistant | flame-retardant | permanently antistatic | abrasion-resistant | inside smoothness

Properties: Flame-retardant according to DIN 4102 B1, excellent abrasion resistance, good oil and petrol resistance, resistant to hydrolysis and microbes, permanently antistatic (R ≤ 10^8 Ohm), conform to TRGS 727 and ATEX 2014/34/EU, very good flexibility even at low temperatures, very smooth bore, electrically conductive according to BGI 739-2 by grounding the wire, free of halogen and softeners

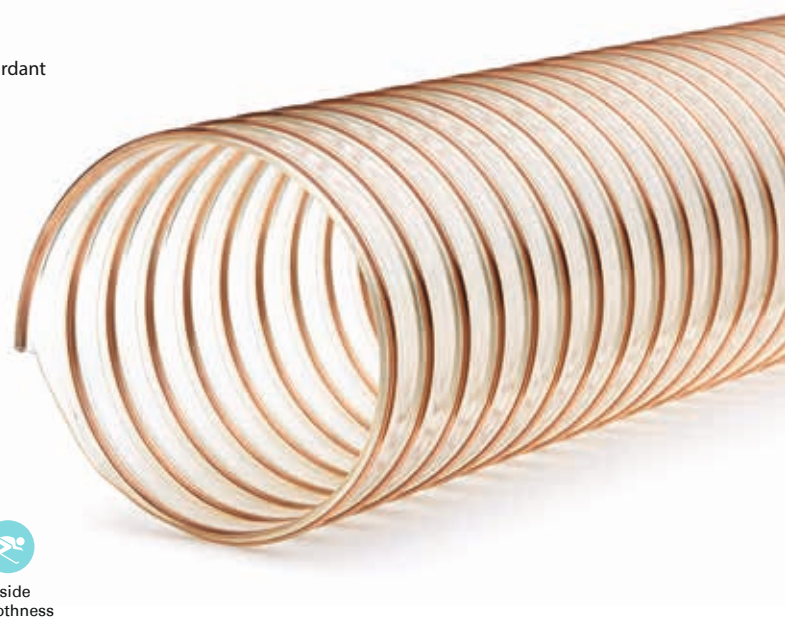
I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
40	0,70	40	1,15	0,40	0,40	10, 15
50	0,70	50	1,00	0,25	0,45	10, 15
60	0,70	60	1,00	0,25	0,48	10, 15
80	0,70	80	0,80	0,20	0,65	10, 15
100	0,70	100	0,60	0,18	0,84	10, 15
120	0,70	120	0,50	0,15	0,95	10, 15
140	0,70	140	0,40	0,10	1,06	10, 15
150	0,70	150	0,38	0,10	1,12	10, 15
160	0,70	160	0,35	0,08	1,20	10, 15
180	0,70	180	0,30	0,07	1,45	10, 15
200	0,70	200	0,25	0,05	1,50	10, 15
215	0,70	215	0,25	0,05	1,76	10, 15
225	0,70	225	0,20	0,04	1,85	10, 15
250	0,70	250	0,20	0,04	1,93	10, 15
300	0,70	300	0,15	0,02	2,31	10, 15
350	0,70	350	0,10	0,01	2,95	10, 15
400	0,70	400	0,10	0,01	3,62	10, 15
450	0,70	450	0,05	0,01	4,80	10, 15
500	0,70	500	0,05	0,01	5,81	10, 15

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

SMARTFLEX® 1.0

Medium weight and very flexible Polyether-Polyurethane ducting, flame-retardant

Applications	Suction of abrasive particles e.g. wooden shavings and chips in the woodworking industry
Structure	Polyether-Polyurethane, transparent with spring steel wire
Temperature Resistance	– 40° C up to + 100° C (short term up to + 125° C)
Optional	Antistatic (R ≤ 10^8 Ohm) and/or flame-retardant without certificate



microbe-resistant | hydrolysis-resistant | flame-retardant | permanently antistatic | abrasion-resistant | inside smoothness

Properties: Flame-retardant according to DIN 4102 B1, excellent abrasion resistance, good oil and petrol resistance, resistant to hydrolysis and microbes, permanently antistatic (R ≤ 10^8 Ohm), conform to TRGS 727 and ATEX 2014/34/EU, very good flexibility even at low temperatures, very smooth bore, electrically conductive according to BGI 739-2 by grounding the wire, free of halogen and softeners

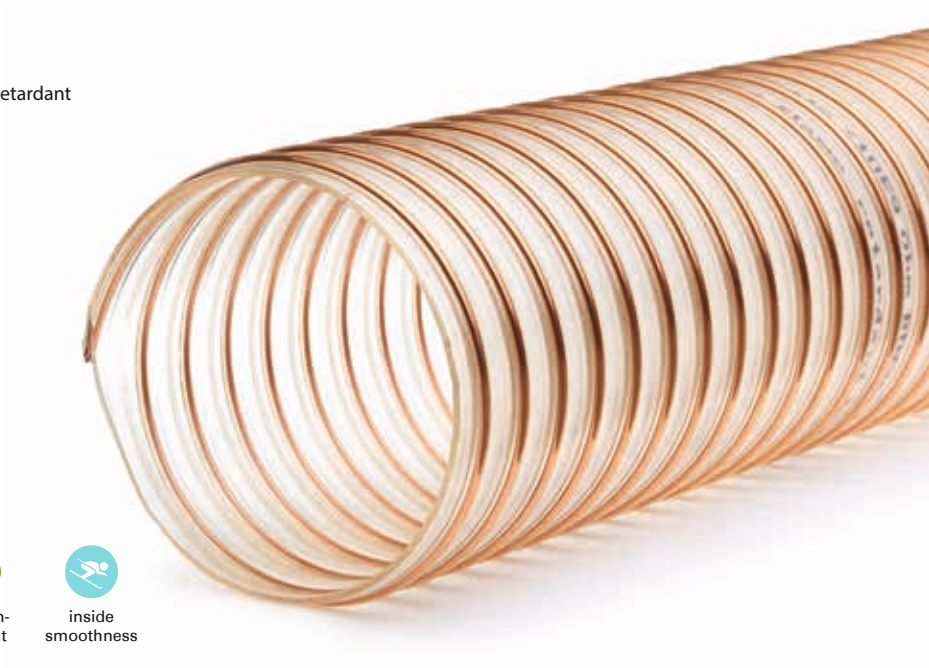
I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
13	1,00	17	1,60	0,80	0,07	10, 15
16	1,00	21	1,60	0,80	0,10	10, 15
20	1,00	26	1,50	0,70	0,13	10, 15
25	1,00	33	1,45	0,55	0,19	10, 15
30	1,00	39	1,45	0,55	0,25	10, 15
35	1,00	46	1,25	0,45	0,30	10, 15
38	1,00	49	1,25	0,45	0,33	10, 15
40	1,00	52	1,25	0,45	0,35	10, 15
50	1,00	65	1,20	0,40	0,41	10, 15
60	1,00	78	1,15	0,35	0,47	10, 15
75	1,00	98	1,05	0,30	0,61	10, 15
80	1,00	104	1,05	0,25	0,65	10, 15
100	1,00	130	0,70	0,23	0,95	10, 15
120	1,00	156	0,65	0,20	1,08	10, 15
125	1,00	163	0,55	0,20	1,13	10, 15
140	1,00	182	0,55	0,15	1,18	10, 15
150	1,00	195	0,45	0,15	1,25	10, 15
160	1,00	208	0,40	0,15	1,34	10, 15
180	1,00	234	0,35	0,12	1,68	10, 15
200	1,00	260	0,30	0,10	1,87	10, 15
225	1,00	293	0,25	0,09	2,11	10, 15
250	1,00	325	0,25	0,09	2,35	10, 15
300	1,00	390	0,20	0,07	3,08	10, 15
350	1,00	455	0,18	0,06	3,75	10, 15
400	1,00	520	0,15	0,06	4,24	10, 15
450	1,00	585	0,15	0,06	5,42	10, 15
500	1,00	650	0,15	0,06	6,02	10, 15

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

SMARTFLEX® 1.4

Heavy weight and flexible Polyether-Polyurethane ducting, flame-retardant

Applications	Suction of abrasive particles e.g. wooden shavings and chips in the woodworking industry
Structure	Polyether-Polyurethane, transparent with spring steel wire
Temperature Resistance	– 40° C up to + 100° C (short term up to + 125° C)
Optional	Antistatic (R ≤ 10^8 Ohm) and/or flame-retardant without certificate



microbe-resistant | hydrolysis-resistant | flame-retardant | permanently antistatic | abrasion-resistant | inside smoothness

Properties: Flame-retardant according to DIN 4102 B1, excellent abrasion resistance, good oil and petrol resistance, resistant to hydrolysis and microbes, permanently antistatic (R ≤ 10^8 Ohm), conform to TRGS 727 and ATEX 2014/34/EU, very good flexibility even at low temperatures, very smooth bore, electrically conductive according to BGI 739-2 by grounding the wire, free of halogen and softeners

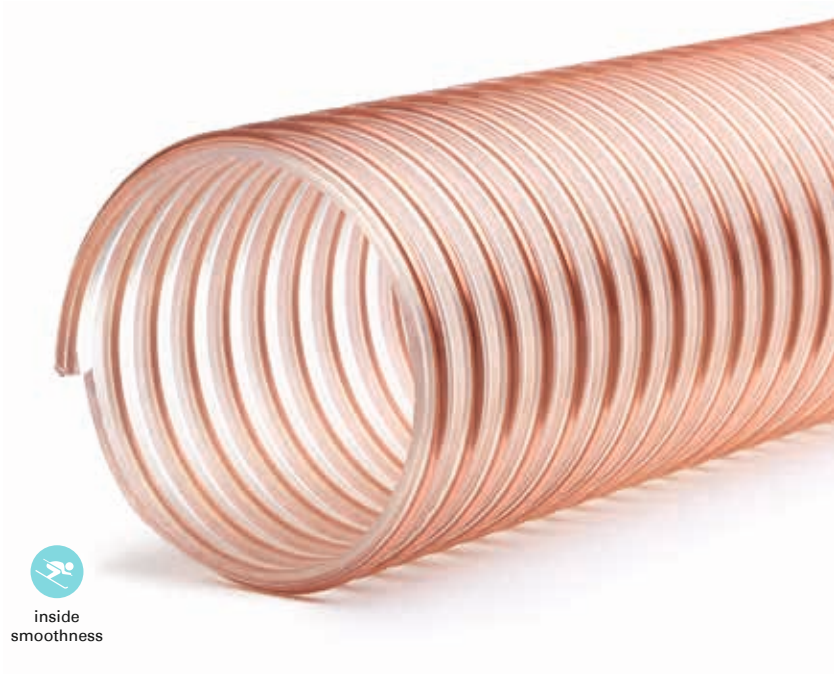
I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
25	1,40	38	3,00	0,90	0,30	10, 15
30	1,40	45	3,00	0,90	0,37	10, 15
32	1,40	48	3,00	0,90	0,38	10, 15
35	1,40	53	2,60	0,80	0,45	10, 15
38	1,40	57	2,40	0,75	0,52	10, 15
40	1,40	60	2,30	0,70	0,56	10, 15
50	1,40	75	1,90	0,60	0,67	10, 15
60	1,40	90	1,80	0,55	0,79	10, 15
75	1,40	113	1,20	0,50	0,98	10, 15
80	1,40	120	1,20	0,45	1,09	10, 15
90	1,40	135	1,10	0,45	1,23	10, 15
100	1,40	150	1,10	0,40	1,36	10, 15
120	1,40	180	0,90	0,30	1,42	10, 15
125	1,40	188	0,80	0,25	1,54	10, 15
140	1,40	210	0,70	0,20	1,75	10, 15
150	1,40	225	0,70	0,20	1,82	10, 15
160	1,40	240	0,60	0,20	2,15	10, 15
180	1,40	270	0,50	0,15	2,55	10, 15
200	1,40	300	0,50	0,15	2,92	10, 15
225	1,40	338	0,40	0,10	3,25	10, 15
250	1,40	375	0,30	0,10	3,57	10, 15
300	1,40	450	0,30	0,10	4,31	10, 15
350	1,40	525	0,25	0,09	5,05	10, 15
400	1,40	600	0,20	0,09	5,75	10, 15
450	1,40	675	0,10	0,08	6,47	10, 15
500	1,40	750	0,07	0,04	7,37	10, 15

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

SMARTFLEX® 2.0

Very heavy duty Polyether-Polyurethane ducting, flame-retardant

Applications	Suction of abrasive particles e.g. wooden shavings and chips in the woodworking industry
Structure	Polyether-Polyurethane, transparent with spring steel wire
Temperature Resistance	– 40° C up to + 100° C (short term up to + 125° C)
Optional	Antistatic (R ≤ 10^8 Ohm) and/or flame-retardant without certificate



microbe-resistant | hydrolysis-resistant | flame-retardant | permanently antistatic | abrasion-resistant | inside smoothness

Properties: Flame-retardant according to DIN 4102 B1, excellent abrasion resistance, good oil and petrol resistance, resistant to hydrolysis and microbes, permanently antistatic (R ≤ 10^8 Ohm), conform to TRGS 727 and ATEX 2014/34/EU, very good flexibility even at low temperatures, very smooth bore, electrically conductive according to BGI 739-2 by grounding the wire, free of halogen and softeners

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
40	2,00	100	2,50	0,95	0,83	10, 15
50	2,00	130	2,45	0,95	1,03	10, 15
60	2,00	150	2,40	0,95	1,23	10, 15
76	2,00	230	2,25	0,95	1,54	10, 15
80	2,00	250	2,20	0,95	1,82	10, 15
90	2,00	300	2,10	0,95	2,04	10, 15
100	2,00	400	2,00	0,95	2,27	10, 15
110	2,00	500	1,85	0,95	2,49	10, 15
120	2,00	600	1,70	0,95	2,71	10, 15
130	2,00	650	1,54	0,95	2,93	10, 15
140	2,00	700	1,60	0,90	3,68	10, 15
150	2,00	800	1,50	0,90	3,96	10, 15
160	2,00	850	1,45	0,85	4,22	10, 15
180	2,00	1000	1,30	0,75	4,74	10, 15
200	2,00	1200	1,15	0,65	5,26	10, 15
225	2,00	1400	1,00	0,55	5,91	10, 15
250	2,00	1600	0,70	0,45	6,56	10, 15

FLEXADUX® P2 PU Food

Light weight and very flexible Polyether-Polyurethane ducting, food approved

Applications	Suitable for applications in food and pharmaceutical industry, suction of air or light weight materials e.g. dust, fibres or powder
Structure	Polyether-Polyurethane, transparent with spring steel wire
Temperature Resistance	– 40° C up to + 100° C (short term up to + 125° C)
Optional	For fatty food, vegetable oil (simulant D2) or industrial quality

food-grade | microbe-resistant | hydrolysis-resistant | abrasion-resistant

Properties: Food-grade according to EC regulation no. 1935/2004 and no. 10/2011, FDA standard 21 CFR 177.2600 and 178.2010, approval confirmed by an independent testing institute for the whole hose according to EC regulation no. 10/2011 for food simulant E, manufacturing process according GMP EC 2023/2006, resistant to hydrolysis and microbes, excellent flexibility, good compressibility and good abrasion resistance, free of halogen and softeners

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
25	0,40	18	0,65	0,30	0,13	6, 10, 15
30	0,40	21	0,60	0,30	0,17	6, 10, 15
40	0,40	28	0,50	0,25	0,23	6, 10, 15
50	0,40	35	0,40	0,20	0,30	6, 10, 15
60	0,40	42	0,40	0,16	0,34	6, 10, 15
70	0,40	49	0,35	0,14	0,40	6, 10, 15
75	0,40	53	0,30	0,10	0,43	6, 10, 15
80	0,40	56	0,28	0,10	0,46	6, 10, 15
100	0,40	70	0,20	0,09	0,51	6, 10, 15
120	0,40	85	0,20	0,08	0,60	6, 10, 15
125	0,40	88	0,20	0,08	0,65	6, 10, 15
140	0,40	95	0,15	0,06	0,71	6, 10, 15
150	0,40	105	0,10	0,06	0,78	6, 10, 15
175	0,40	123	0,09	0,05	0,90	6, 10, 15
200	0,40	140	0,08	0,05	1,05	6, 10, 15
250	0,40	175	0,05	0,04	1,25	6, 10, 15
300	0,40	210	0,03	0,03	1,55	6, 10, 15
350	0,40	245	0,02	0,02	1,80	6, 10, 15
400	0,40	280	0,02	0,02	2,10	6, 10, 15
450	0,40	315	0,01	0,01	2,35	6, 10, 15
500	0,40	350	0,01	0,01	2,62	6, 10, 15
600	0,40	400	0,01	0,01	4,60	6, 10, 15
710	0,40	475	0,01	0,01	5,44	6, 10, 15
800	0,40	535	0,01	0,01	6,13	6, 10, 15

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

FLEXADUX® P2 PU PAS Food

Light weight and very flexible Polyether-Polyurethane hose, antistatic and food approved

Applications	Suction of air, dust and fibres, suitable for applications in food and pharmaceutical industry
Structure	Polyether-Polyurethane, transparent with stainless steel wire (INOX)
Temperature Resistance	– 40° C up to + 100° C (short term up to + 125° C)

food-grade | microbe-resistant | hydrolysis-resistant | permanently antistatic | abrasion-resistant

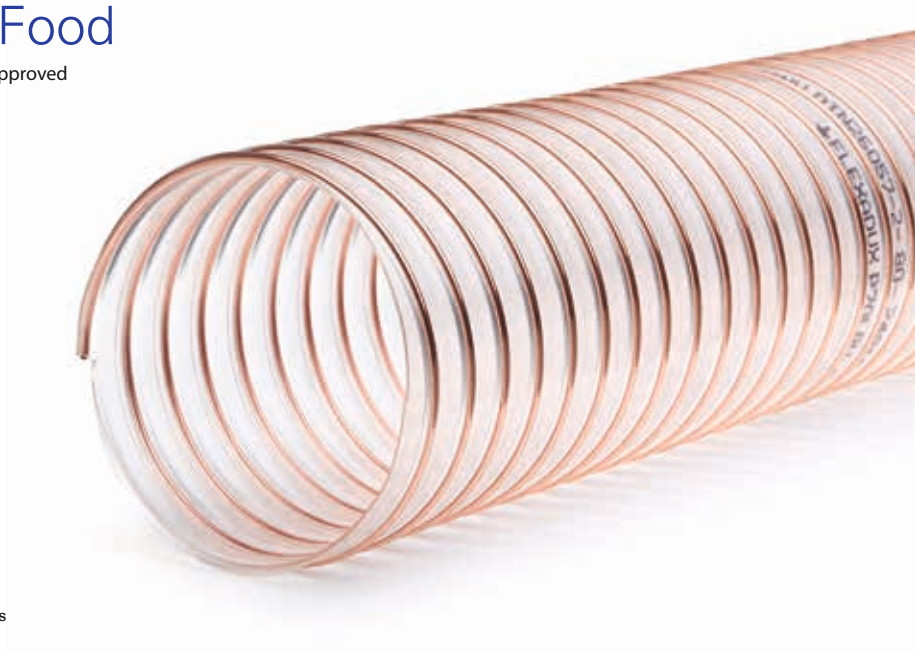
Properties: Food grade according to EC regulation no. 1935/2004 and no. 10/2011, FDA standard 21 CFR 177.2600 and 178.2010, approval confirmed by an independent testing institute for the hose according to EC regulation no. 10/2011 for food simulant E, manufacturing process according GMP EC 2023/2006, permanently antistatic (R ≤ 10^8 Ohm), conform to TRGS 727, resistant to hydrolysis and microbes, excellent flexibility, good compressibility and good abrasion resistance, free of halogen and softeners

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
40	0,40	28	0,50	0,25	0,22	10, 15
50	0,40	35	0,40	0,20	0,27	10, 15
60	0,40	42	0,40	0,16	0,31	10, 15
70	0,40	49	0,35	0,14	0,36	10, 15
75	0,40	53	0,30	0,10	0,39	10, 15
80	0,40	56	0,28	0,10	0,41	10, 15
100	0,40	70	0,20	0,09	0,53	10, 15
120	0,40	85	0,20	0,08	0,63	10, 15
125	0,40	88	0,20	0,08	0,66	10, 15
140	0,40	95	0,15	0,06	0,73	10, 15
150	0,40	105	0,10	0,06	0,78	10, 15
175	0,40	123	0,09	0,05	0,91	10, 15
200	0,40	140	0,08	0,05	1,11	10, 15
225	0,40	160	0,06	0,04	1,24	10, 15
250	0,40	175	0,05	0,03	1,38	10, 15
300	0,40	210	0,03	0,03	1,65	10, 15
350	0,40	245	0,02	0,02	2,21	10, 15
400	0,40	280	0,02	0,02	2,52	10, 15
450	0,40	315	0,01	0,01	2,83	10, 15
500	0,40	350	0,01	0,01	3,14	10, 15
600	0,40	400	0,01	0,01	4,57	10, 15

FLEXADUX® P7 OL PU Food

Medium weight and flexible Polyether-Polyurethane ducting, food approved

Applications	Suction and conveying of abrasive particles or granules e.g. in the food or pharmaceutical industry for the conveying of dry food e.g. rice, milk powder, corn, coffee, tea
Structure	Polyether-Polyurethane, transparent with spring steel wire
Temperature Resistance	– 40° C up to + 100° C (short term up to + 125° C)
Optional	For fatty food, vegetable oil (simulant D2) or industrial quality



food-grade | microbe-resistant | hydrolysis-resistant | abrasion-resistant | inside smoothness

Properties: Food-grade according to EC regulation no. 1935/2004 and no. 10/2011, FDA standard 21 CFR 177.2600 and 178.2010, approval confirmed by an independent testing institute for the whole hose according to EC regulation no. 10/2011 for food simulant E, manufacturing process according GMP EC 2023/2006, resistant to hydrolysis and microbes, good flexibility and abrasion resistance, free of halogen and softeners

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
25	0,70	25	1,50	0,43	0,28	10, 15
30	0,70	30	1,39	0,32	0,33	10, 15
40	0,70	40	1,23	0,32	0,43	10, 15
50	0,70	50	1,07	0,27	0,51	10, 15
60	0,70	60	1,07	0,27	0,60	10, 15
70	0,70	70	1,07	0,22	0,69	10, 15
75	0,70	75	1,07	0,22	0,74	10, 15
80	0,70	80	0,86	0,21	0,79	10, 15
90	0,70	90	0,86	0,19	0,88	10, 15
100	0,70	100	0,64	0,19	1,04	10, 15
110	0,70	110	0,64	0,16	1,14	10, 15
120	0,70	120	0,54	0,16	1,16	10, 15
125	0,70	125	0,43	0,11	1,20	10, 15
140	0,70	140	0,43	0,11	1,34	10, 15
150	0,70	150	0,41	0,11	1,43	10, 15
160	0,70	160	0,37	0,09	1,52	10, 15
175	0,70	175	0,30	0,08	1,66	10, 15
180	0,70	180	0,32	0,08	1,76	10, 15
200	0,70	200	0,27	0,05	2,00	10, 15
225	0,70	225	0,21	0,04	2,24	10, 15
250	0,70	250	0,21	0,04	2,48	10, 15
300	0,70	300	0,16	0,02	3,66	10, 15
350	0,70	350	0,11	0,01	4,25	10, 15
400	0,70	400	0,09	0,01	4,84	10, 15
450	0,70	450	0,07	0,01	5,43	10, 15
500	0,70	500	0,05	0,01	6,02	10, 15

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

FLEXADUX® P7 L PU PAS Food

Medium weight and flexible Polyether-Polyurethane hose, antistatic and food approved

Applications	Suction and discharching of abrasive and granular materials, suitable for applications in food- and pharmaceutical industry, for conveying dry food like rice, milk powder, corn, coffee or flour
Structure	Polyether-Polyurethane, transparent with stainless steel wire (INOX)
Temperature Resistance	– 40° C up to + 100° C (short term up to + 125° C)

food-grade | microbe-resistant | hydrolysis-resistant | permanently antistatic | abrasio-resistant | inside smoothness

Properties: Food grade according to EC regulation no. 1935/2004 and no. 10/2011, FDA standard 21 CFR 177.2600 and 178.2010, approval confirmed by an independent testing institute for the whole hose according to EC regulation no. 10/2011 for food simulant E, manufacturing process according GMP EC 2023/2006, permanently antistatic (R ≤ 10^8 Ohm) and conform to TRGS 727, resistant to hydrolysis and microbes, excellent flexibility, smooth bore, good abrasion resistance, free of halogen and softeners

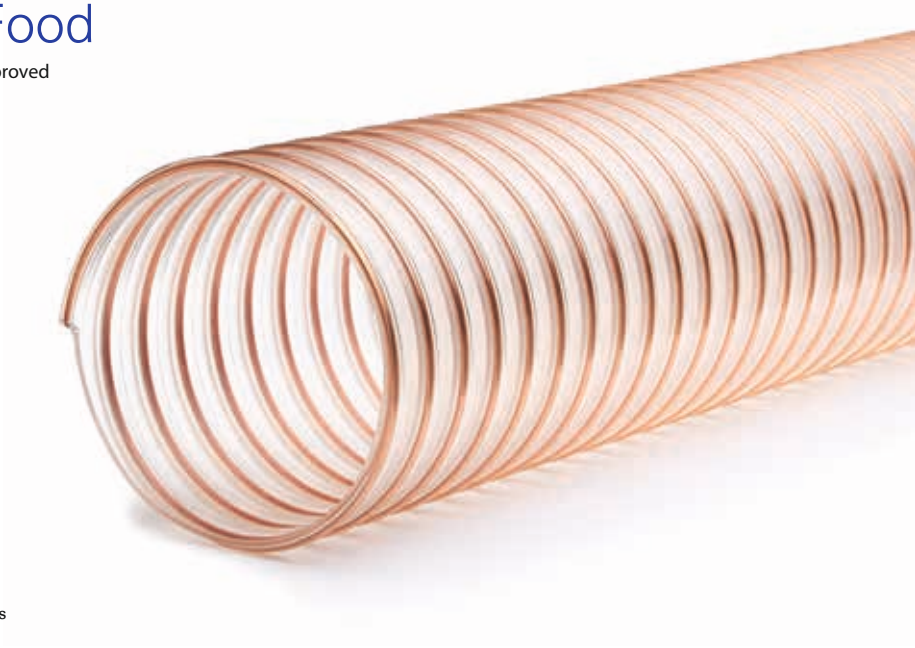
I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
25	0,70	25	1,40	0,40	0,21	10, 15
30	0,70	30	1,30	0,35	0,25	10, 15
40	0,70	40	1,15	0,30	0,33	10, 15
50	0,70	50	1,00	0,25	0,38	10, 15
60	0,70	60	1,00	0,25	0,45	10, 15
70	0,70	70	0,90	0,20	0,53	10, 15
75	0,70	75	0,90	0,20	0,57	10, 15
80	0,70	80	0,80	0,19	0,60	10, 15
90	0,70	90	0,80	0,19	0,68	10, 15
100	0,70	100	0,60	0,18	0,76	10, 15
110	0,70	110	0,60	0,18	0,83	10, 15
120	0,70	120	0,50	0,15	0,95	10, 15
125	0,70	125	0,50	0,15	0,99	10, 15
140	0,70	140	0,40	0,10	1,11	10, 15
150	0,70	150	0,38	0,10	1,18	10, 15
160	0,70	160	0,35	0,08	1,42	10, 15
175	0,70	175	0,30	0,08	1,55	10, 15
180	0,70	180	0,30	0,07	1,60	10, 15
200	0,70	200	0,25	0,05	1,77	10, 15
225	0,70	225	0,20	0,04	1,99	10, 15
250	0,70	250	0,20	0,04	2,20	10, 15
300	0,70	300	0,15	0,02	2,65	10, 15
350	0,70	350	0,12	0,01	4,25	10, 15
400	0,70	400	0,10	0,01	4,84	10, 15
450	0,70	450	0,07	0,01	5,43	10, 15
500	0,70	500	0,06	0,01	6,02	10, 15

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

FLEXADUX® P7 M PU Food

Heavy weight and flexible Polyether-Polyurethane ducting, food approved

Applications	Suction and conveying of abrasive particles or granules e.g. in the food or pharmaceutical industry for the conveying of dry food e.g. rice, milk powder, corn, coffee, tea
Structure	Polyether-Polyurethane, transparent with spring steel wire
Temperature Resistance	– 40° C up to + 100° C (short term up to + 125° C)
Optional	For fatty food, vegetable oil (simulant D2) or industrial quality



food-grade | microbe-resistant | hydrolysis-resistant | abrasion-resistant | inside smoothness

Properties: Food-grade according to EC regulation no. 1935/2004 and no. 10/2011, FDA standard 21 CFR 177.2600 and 178.2010, approval confirmed by an independent testing institute for the whole hose according to EC regulation no. 10/2011, for food simulant E, manufacturing process according GMP EC 2023/2006, resistant to hydrolysis and microbes, good flexibility and abrasion resistance, free of halogen and softeners

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
25	1,40	38	3,21	0,96	0,30	10, 15
30	1,40	45	3,21	0,96	0,37	10, 15
32	1,40	48	3,21	0,96	0,38	10, 15
35	1,40	53	2,78	0,86	0,45	10, 15
38	1,40	57	2,57	0,80	0,52	10, 15
40	1,40	60	2,46	0,75	0,56	10, 15
50	1,40	75	2,03	0,64	0,67	10, 15
60	1,40	90	1,92	0,59	0,79	10, 15
70	1,40	105	1,71	0,54	0,92	10, 15
75	1,40	113	1,28	0,54	0,98	10, 15
80	1,40	120	1,28	0,48	1,09	10, 15
100	1,40	150	1,18	0,43	1,36	10, 15
110	1,40	165	1,07	0,37	1,38	10, 15
120	1,40	180	0,96	0,32	1,42	10, 15
125	1,40	188	0,86	0,27	1,54	10, 15
140	1,40	210	0,75	0,21	1,75	10, 15
150	1,40	225	0,75	0,21	1,82	10, 15
160	1,40	240	0,64	0,21	2,15	10, 15
175	1,40	263	0,59	0,16	2,35	10, 15
180	1,40	270	0,54	0,16	2,55	10, 15
200	1,40	300	0,54	0,16	2,92	10, 15
225	1,40	338	0,43	0,11	3,25	10, 15
250	1,40	375	0,32	0,11	3,57	10, 15
300	1,40	450	0,32	0,11	4,31	10, 15
350	1,40	525	0,27	0,10	5,05	10, 15
400	1,40	600	0,27	0,10	5,75	10, 15
450	1,40	675	0,10	0,08	6,47	10, 15

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

FLEXADUX® P7 M PU PAS Food

Heavy weight and flexible Polyether-Polyurethane hose, antistatic and food approved

Applications	Suction and discharging of abrasive and granular materials, suitable for applications in food and pharmaceutical industry e.g. conveying of dry food like rice, milk, powder, corn, coffee or tea
Structure	Polyether-Polyurethane, transparent with stainless steel wire (INOX)
Temperature Resistance	– 40° C up to + 100° C (short term up to + 125° C)

food-grade | microbe-resistant | hydrolysis-resistant | permanently antistatic | abrasion-resistant | inside smoothness

Properties: Food-grade according to EC regulation no. 1935/2004 and no. 10/2011, FDA standard 21 CFR 177.2600 and 178.2010, approval confirmed by an independent testing institute for the whole hose according to EC regulation no. 10/2011 for food simulant E, manufacturing process according GMP EC 2023/2006, permanently antistatic ($R \leq 10^8$ Ohm), conform to TRGS 727, resistant to hydrolysis and microbes, excellent flexibility, smooth bore, good abrasion resistance, free of halogen and softeners

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
25	1,40	38	3,00	0,90	0,34	10, 15
30	1,40	45	3,00	0,90	0,42	10, 15
40	1,40	60	2,30	0,70	0,54	10, 15
50	1,40	75	1,90	0,60	0,67	10, 15
60	1,40	90	1,80	0,55	0,80	10, 15
70	1,40	105	1,60	0,50	0,92	10, 15
75	1,40	113	1,40	0,50	0,99	10, 15
80	1,40	120	1,20	0,45	1,05	10, 15
90	1,40	135	1,10	0,40	1,18	10, 15
100	1,40	150	1,10	0,40	1,52	10, 15
110	1,40	165	1,00	0,35	1,67	10, 15
120	1,40	180	0,90	0,30	1,82	10, 15
125	1,40	188	0,80	0,25	1,89	10, 15
140	1,40	210	0,70	0,20	2,11	10, 15
150	1,40	225	0,70	0,20	2,43	10, 15
160	1,40	240	0,60	0,20	2,59	10, 15
175	1,40	263	0,55	0,15	2,82	10, 15
200	1,40	300	0,50	0,15	3,37	10, 15
225	1,40	338	0,40	0,10	3,78	10, 15
250	1,40	375	0,30	0,10	4,19	10, 15
300	1,40	450	0,30	0,10	5,01	10, 15
350	1,40	525	0,25	0,09	5,33	10, 15
400	1,40	600	0,20	0,09	6,08	10, 15
450	1,40	675	0,10	0,08	6,83	10, 15
500	1,40	750	0,07	0,04	7,37	10, 15

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

SMOOTHFLEX PU FOOD

Light weight and very flexible Polyether-Polyurethane hose, reinforced with rigid antishock PVC helix, food approved

Applications	Suitable for transport of abrasive particles, granules in food and pharmaceutical industries, suction of waste and dust for sweepers and lawn mowers or transport of seeds in agricultural machines
Structure	Polyether-Polyurethane, transparent with rigid PVC helix, nature
Temperature Resistance	– 30° C up to + 80° C
Optional	For food class D2 for vegetable oils

food-grade | microbe-resistant | hydrolysis-resistant | abrasion-resistant | inside smoothness

Properties: Resistant to hydrolysis and microbes, good flexibility, very smooth bore, raw material approved for food contact according to FDA standard 21 CFR: 175.105; 177.1680; 177.2600, hose tested and approved by an independent and certified laboratory for food contact according to EC directives 1935/2004 and 10/2011 with simulants A, B, C, D1 and E

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m
20	0,40	23	1,50	0,25	0,16
25	0,40	29	1,50	0,25	0,20
30	0,45	35	1,50	0,25	0,24
32	0,45	37	1,50	0,20	0,26
35	0,45	40	1,50	0,20	0,27
38	0,45	44	1,50	0,20	0,28
40	0,50	46	1,50	0,20	0,30
45	0,50	52	1,50	0,20	0,31
51	0,50	59	1,00	0,20	0,38
60	0,50	69	1,00	0,16	0,50
63	0,50	72	1,00	0,16	0,51
65	0,60	75	1,00	0,16	0,60
70	0,60	81	1,00	0,16	0,62
76	0,60	87	1,00	0,16	0,71
80	0,60	92	1,00	0,16	0,75
90	0,60	104	1,00	0,14	0,80
102	0,60	117	0,80	0,13	0,91
110	0,60	127	0,80	0,12	0,95
120	0,65	138	0,80	0,10	1,12
127	0,65	146	0,80	0,10	1,20
140	0,65	161	0,60	0,09	1,65
152	0,65	175	0,60	0,08	1,75
160	0,70	184	0,50	0,07	2,23
170	0,70	196	0,50	0,05	2,34
180	0,70	207	0,50	0,04	2,46
203	0,70	233	0,40	0,04	2,63
250	0,80	288	0,30	0,04	3,91

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

SMOOTHFLEX PU FOOD XTRA

Medium weight and very flexible Polyether-Polyurethane hose, reinforced with rigid antishock PVC helix, food approved

Applications	Suitable for transport of abrasive particles, granules in food and pharmaceutical industries, suction of waste and dust for sweepers and lawn mowers or seeds in agricultural machines
Structure	Polyether-Polyurethane, transparent with rigid PVC helix, nature
Temperature Resistance	– 30° C up to + 80° C
Optional	For food class D2 for vegetable oils

food-grade | microbe-resistant | hydrolysis-resistant | abrasion-resistant | inside smoothness

Properties: Resistant to hydrolysis and microbes, good flexibility, very smooth bore, raw material approved for food contact according to FDA standard 21 CFR, 175.105, 177.1680, 177.2600, hose tested and approved by an independent and certified laboratory for food contact according to EC directives 1935/2004 and 10/2011 with simulants A, B, C, D1 and E

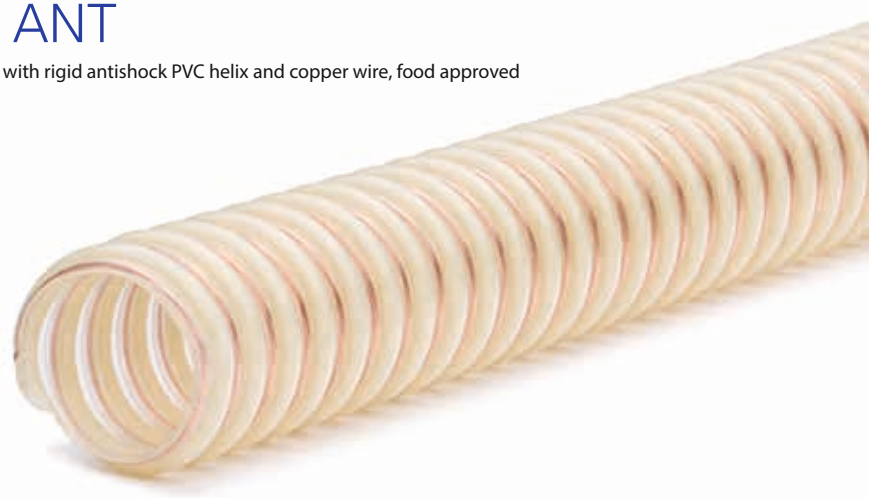
I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m
20	0,80	70	2,00	0,35	0,18
25	0,80	88	2,00	0,35	0,23
30	0,80	105	2,00	0,35	0,35
32	0,80	112	2,00	0,30	0,38
38	0,80	133	2,00	0,30	0,39
40	0,90	140	2,00	0,30	0,39
45	0,90	158	2,00	0,30	0,41
51	1,00	179	1,50	0,25	0,44
60	1,00	210	1,50	0,25	0,45
63	1,00	221	1,50	0,25	0,54
65	1,00	228	1,50	0,25	0,73
70	1,00	245	1,50	0,25	0,74
76	1,00	266	1,50	0,25	0,87
80	1,00	280	1,50	0,25	0,89
90	1,00	315	1,50	0,23	1,03
102	1,00	357	1,30	0,22	1,09
110	1,00	385	1,30	0,21	1,16
120	1,00	420	1,30	0,20	1,32
127	1,00	445	1,30	0,20	1,38
130	1,00	455	1,00	0,18	1,62
140	1,00	490	1,00	0,18	1,74
152	1,00	532	1,00	0,16	2,39
160	1,00	560	0,90	0,16	2,53
170	1,00	595	0,90	0,14	3,23
180	1,00	630	0,80	0,12	3,39
203	1,20	711	0,70	0,10	3,57
250	1,20	875	0,50	0,10	3,81

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

SMOOTHFLEX PU FOOD ANT

Medium weight and very flexible Polyether-Polyurethane hose, reinforced with rigid antishock PVC helix and copper wire, food approved

Applications	Suction and conveying of light abrasive materials such as dust, fibres and small particles
Structure	Polyether-Polyurethane, transparent with rigid PVC helix, natural and copper wire
Temperature Resistance	– 30° C up to + 80° C
Optional	For food class D2 and in industrial quality



food-grade | microbe-resistant | hydrolysis-resistant | permanently antistatic | abrasion-resistant | inside smoothness

Properties: Resistant to hydrolysis and microbes, good flexibility, very smooth bore, raw material approved for food contact according to FDA standard 21 CFR: 175.105; 177.1680; 177.2600, hose tested and approved by an independent and certified laboratory for food contact according to EC directives 1935/2004 and 10/2011 with simulants A, B, C, D1 and E, reinforced with antishock PVC helix and copper wire for grounding

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
20	0,50	20	1,50	0,60	0,14	20
25	0,55	25	1,50	0,60	0,16	20
30	0,55	30	1,50	0,60	0,20	20
32	0,55	32	1,50	0,60	0,21	20
35	0,55	35	1,50	0,60	0,24	20
38	0,60	38	1,50	0,50	0,26	20
40	0,60	40	1,50	0,50	0,27	20
45	0,60	45	1,50	0,45	0,30	20
51	0,60	50	1,00	0,45	0,34	20
55	0,60	55	1,00	0,30	0,37	20
60	0,60	60	1,00	0,30	0,41	20
63	0,65	63	1,00	0,30	0,42	20
65	0,65	65	1,00	0,30	0,46	20
70	0,70	70	1,00	0,25	0,52	20
76	0,70	75	1,00	0,25	0,58	20
80	0,70	80	1,00	0,16	0,63	20
90	0,70	90	1,00	0,16	0,73	20
102	0,70	102	0,80	0,16	0,88	20
110	0,75	110	0,80	0,16	0,92	20
120	0,75	120	0,80	0,16	1,03	20
127	0,80	125	0,80	0,16	1,08	20
140	0,85	140	0,60	0,16	1,28	20
152	0,85	150	0,60	0,16	1,44	20
160	0,90	160	0,50	0,16	1,60	20
180	1,00	180	0,50	0,16	1,91	10
203	1,10	200	0,40	0,16	2,23	10
250	1,10	250	0,30	0,15	3,00	10

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

SERIE 3 PUR S

Light weight and flexible Polyether-Polyurethane ducting, food approved

Applications	Suction and conveying of light abrasive materials such as dust, fibres and small particles
Structure	Polyether-Polyurethane, transparent with rigid PVC helix, grey
Temperature Resistance	– 30° C up to + 80° C
Optional	Wire for grounding, antistatic version, different coloured spiral

food-grade | microbe-resistant | hydrolysis-resistant | abrasion-resistant | inside smoothness

Properties: Food grade according to EC regulation no. 1935/2004 and no. 10/2011, FDA standard 21 CFR 177.2600 and 178.2010, approval confirmed by an independent testing institute for the hose according to EC regulation no. 10/2011 with simulants A, B, C and D1, excellent flexibility, solid construction, smooth bore, resistant to hydrolysis and microbes

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
20	0,50	20	1,50	0,60	0,14	20
25	0,55	25	1,50	0,60	0,16	20
30	0,55	30	1,50	0,60	0,20	20
32	0,55	32	1,50	0,60	0,21	20
35	0,55	35	1,50	0,60	0,24	20
38	0,60	38	1,50	0,50	0,26	20
40	0,60	40	1,50	0,50	0,27	20
45	0,60	45	1,50	0,45	0,30	20
51	0,60	50	1,00	0,45	0,34	20
55	0,60	55	1,00	0,30	0,37	20
60	0,60	60	1,00	0,30	0,41	20
63	0,65	63	1,00	0,30	0,42	20
65	0,65	65	1,00	0,30	0,46	20
70	0,70	70	1,00	0,25	0,52	20
76	0,70	75	1,00	0,25	0,58	20
80	0,70	80	1,00	0,16	0,63	20
90	0,70	90	1,00	0,16	0,73	20
102	0,70	102	0,80	0,16	0,88	20
110	0,75	110	0,80	0,16	0,92	20
120	0,75	120	0,80	0,16	1,03	20
127	0,80	125	0,80	0,16	1,08	20
140	0,85	140	0,60	0,16	1,28	20
152	0,85	150	0,60	0,16	1,44	20
160	0,90	160	0,50	0,16	1,60	20
180	1,00	180	0,50	0,16	1,91	10
203	1,10	200	0,40	0,16	2,23	10
250	1,10	250	0,30	0,15	3,00	10

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

FLEXACIER LT PU

Medium duty, flexible suction and delivery hose made of Polyether-Polyurethane

Applications	Suction and transport of liquids and abrasive materials e.g. grain and seeds in agriculture or for irrigation and pumping applications
Structure	Polyether-Polyurethane, transparent with galvanized steel wire
Temperature Resistance	– 40° C up to + 100° C

food-grade | microbe-resistant | hydrolysis-resistant | abrasion-resistant | inside smoothness

Properties: Excellent abrasion and vacuum resistance, very smooth bore, smooth outside, resistant to hydrolysis and microbes, food-grade wall acc. to EC regulation no. 1935/2004 and no. 10/2011, FDA standard 21 CFR 177.2600 and 178.2010, good mechanical strength

I.D. Ø mm	O.D. Ø mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
10	16	40	13,00	0,95	0,16	60
12	18	45	12,00	0,95	0,18	60
13	19	50	12,00	0,95	0,19	60
14	20	50	10,00	0,95	0,21	60
16	22	60	12,00	0,95	0,23	60
18	24	65	9,50	0,95	0,30	60
19	26	70	9,50	0,95	0,31	60
20	27	80	9,50	0,95	0,33	60
22	29	100	9,50	0,95	0,38	60
25	33	120	9,50	0,95	0,50	60
30	38	160	7,00	0,95	0,60	60
32	40	200	7,00	0,95	0,65	60
35	44	228	7,00	0,95	0,70	60
38	47	266	6,00	0,95	0,80	30
40	50	285	6,00	0,95	0,87	30
45	55	304	6,00	0,95	1,10	30
51	61	380	5,00	0,95	1,20	30

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

FLEXADUX® P7 L PU EL

Medium weight and flexible Polyether-Polyurethane hose, electrically conductive

Applications	Suction of abrasive materials, transport of granules, for explosion hazardous areas
Structure	Polyether-Polyurethane, black with spring steel wire
Temperature Resistance	– 40° C up to + 100° C (short term up to + 125° C)

microbe-resistant | hydrolysis-resistant | electrically conductive | abrasion-resistant | inside smoothness

Properties: Electrically conductive (R ≤ 10^3 Ohm), conform to ATEX-guideline 2014/34/EU and TRGS 727, very good abrasion resistance, good resistance to oil and petrols, very smooth bore, free of halogens and softeners, good flexibility

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
25	0,70	25	1,40	0,40	0,21	10, 15
30	0,70	30	1,30	0,30	0,25	10, 15
40	0,70	40	1,15	0,30	0,40	10, 15
50	0,70	50	1,00	0,25	0,45	10, 15
60	0,70	60	1,00	0,25	0,48	10, 15
70	0,70	70	1,00	0,20	0,56	10, 15
75	0,70	75	1,00	0,20	0,60	10, 15
80	0,70	80	0,80	0,20	0,65	10, 15
90	0,70	90	0,80	0,18	0,73	10, 15
100	0,70	100	0,60	0,18	0,84	10, 15
110	0,70	110	0,60	0,15	0,92	10, 15
120	0,70	120	0,50	0,15	0,95	10, 15
125	0,70	125	0,50	0,10	0,98	10, 15
140	0,70	140	0,40	0,10	1,06	10, 15
150	0,70	150	0,38	0,10	1,12	10, 15
160	0,70	160	0,35	0,08	1,20	10, 15
175	0,70	175	0,30	0,08	1,31	10, 15
180	0,70	180	0,30	0,07	1,45	10, 15
200	0,70	200	0,25	0,05	1,50	10, 15
225	0,70	225	0,20	0,04	1,85	10, 15
250	0,70	250	0,20	0,04	1,93	10, 15
300	0,70	300	0,15	0,02	3,65	10, 15
350	0,70	350	0,10	0,01	4,25	10, 15
400	0,70	400	0,08	0,01	4,84	10, 15
450	0,70	450	0,06	0,01	5,43	10, 15
500	0,70	500	0,04	0,01	6,00	10, 15

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

FLEXADUX® P7 M PU EL

Heavy weight and flexible Polyether-Polyurethane hose, electrically conductive

Applications	Conveying of abrasive materials, transport of granules, for explosion hazardous areas
Structure	Polyether-Polyurethane, black with spring steel wire
Temperature Resistance	– 40° C up to + 100° C (short term up to + 125° C)

microbe-resistant | hydrolysis-resistant | electrically conductive | abrasion-resistant | inside smoothness

Properties: Electrically conductive (R ≤ 10^3 Ohm), conform to ATEX-guideline 2014/34/EU and to TRGS 727, resistant to hydrolysis and microbes, smooth bore, good abrasion resistance, good flexibility, good resistance to oil and petrols

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
32	1,40	48	3,00	0,90	0,38	10, 15
35	1,40	53	2,60	0,80	0,45	10, 15
38	1,40	57	2,40	0,75	0,52	10, 15
40	1,40	60	2,30	0,70	0,56	10, 15
50	1,40	75	1,90	0,60	0,67	10, 15
60	1,40	90	1,80	0,55	0,79	10, 15
75	1,40	113	1,20	0,50	0,98	10, 15
80	1,40	120	1,20	0,45	1,09	10, 15
90	1,40	135	1,10	0,45	1,23	10, 15
100	1,40	150	1,10	0,40	1,36	10, 15
110	1,40	165	1,00	0,35	1,38	10, 15
120	1,40	180	0,90	0,30	1,42	10, 15
125	1,40	188	0,80	0,25	1,54	10, 15
140	1,40	210	0,70	0,20	1,75	10, 15
150	1,40	225	0,70	0,20	1,82	10, 15
160	1,40	240	0,60	0,20	2,15	10, 15
180	1,40	270	0,50	0,15	2,55	10, 15
200	1,40	300	0,50	0,15	2,92	10, 15
225	1,40	338	0,40	0,10	3,25	10, 15
250	1,40	375	0,30	0,10	3,57	10, 15
300	1,40	450	0,30	0,10	4,31	10, 15

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

FLEXADUX® HT PU 0.7

Light weight Polyester-Polyurethane hose for high temperature applications

Applications	Suction and transport of light weight materials e.g. dusts, shavings and fibres in paper and textileindustry,forhightemperature applications e.g. on film blowing machines, on PET- dryers or injecti-on moulding machines, on printing machines
Structure	Polyester-Polyurethane, translucent with spring steel wire
Temperature Resistance	– 40° C up to + 145° C (short-term up to + 165° C)

high temperature

abrasion-resistant

inside smoothness

Properties: Very good temperature resistance, significantly more heat-resistant than other polyurethane hoses (short-term even up to +165° C), very smooth bore, very good abrasion resistance, good flexibility, free of halogen and softeners

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
25	0,70	25	1,50	0,43	0,28	10, 15
30	0,70	30	1,39	0,32	0,33	10, 15
40	0,70	40	1,23	0,32	0,43	10, 15
50	0,70	50	1,07	0,27	0,51	10, 15
60	0,70	60	1,07	0,27	0,60	10, 15
70	0,70	70	1,07	0,22	0,69	10, 15
75	0,70	75	1,07	0,22	0,74	10, 15
80	0,70	80	0,86	0,21	0,79	10, 15
90	0,70	90	0,86	0,19	0,88	10, 15
100	0,70	100	0,64	0,19	1,04	10, 15
110	0,70	110	0,64	0,16	1,14	10, 15
120	0,70	120	0,54	0,16	1,16	10, 15
125	0,70	125	0,43	0,11	1,20	10, 15
140	0,70	140	0,43	0,11	1,34	10, 15
150	0,70	150	0,41	0,11	1,43	10, 15
160	0,70	160	0,37	0,09	1,52	10, 15
175	0,70	175	0,33	0,08	1,66	10, 15
180	0,70	180	0,32	0,08	1,76	10, 15
200	0,70	200	0,27	0,05	2,00	10, 15
225	0,70	225	0,21	0,04	2,24	10, 15
250	0,70	250	0,21	0,04	2,48	10, 15
300	0,70	300	0,16	0,02	3,66	10, 15
350	0,70	350	0,11	0,01	4,25	10, 15
400	0,70	400	0,09	0,01	4,84	10, 15
450	0,70	450	0,07	0,01	5,43	10, 15
500	0,70	500	0,05	0,01	6,02	10, 15

FLEXADUX® HT PU 1.0

Medium weight Polyester-Polyurethane hose for high temperature applications

Applications	Suction and transport of lightweight materials e.g. dusts, shavings and fibres in paper and textile industry, for high temperature applications e.g. on film blowing machines, on PET- dryers or injection moulding machines
Structure	Polyester-Polyurethane, translucent with spring steel wire
Temperature Resistance	– 40° C up to + 145° C (short-term up to + 165° C)

high temperature

abrasion-resistant

inside smoothness

Properties: Very good temperature resistance, significantly more heat-resistant than other polyurethane hoses (short-term even up to +165° C), very smooth bore, very good abrasion resistance, good flexibility, free of halogen and softeners

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
25	1,00	33	1,45	0,55	0,19	10, 15
30	1,00	39	1,45	0,55	0,25	10, 15
35	1,00	46	1,25	0,45	0,30	10, 15
38	1,00	49	1,25	0,45	0,33	10, 15
40	1,00	52	1,25	0,45	0,35	10, 15
50	1,00	65	1,20	0,40	0,41	10, 15
60	1,00	78	1,15	0,35	0,47	10, 15
75	1,00	98	1,05	0,30	0,61	10, 15
80	1,00	104	1,05	0,25	0,65	10, 15
90	1,00	117	0,85	0,25	0,80	10, 15
100	1,00	130	0,70	0,23	0,95	10, 15
110	1,00	143	0,65	0,20	1,02	10, 15
120	1,00	156	0,65	0,20	1,08	10, 15
125	1,00	163	0,55	0,20	1,13	10, 15
140	1,00	182	0,55	0,15	1,18	10, 15
150	1,00	195	0,45	0,15	1,25	10, 15
160	1,00	208	0,40	0,15	1,34	10, 15
180	1,00	234	0,35	0,12	1,68	10, 15
200	1,00	260	0,30	0,10	1,87	10, 15
225	1,00	293	0,25	0,09	2,11	10, 15
250	1,00	325	0,25	0,09	2,35	10, 15
300	1,00	390	0,20	0,07	3,08	10, 15
350	1,00	455	0,18	0,06	3,75	10, 15
400	1,00	520	0,15	0,06	4,24	10, 15
450	1,00	585	0,15	0,06	5,42	10, 15

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

FLEXADUX® HT PU 1.4

Heavy weight Polyester-Polyurethane hose for high temperature applications

Applications	Suction and transport of light weight materials e.g. dusts, shavings and fibres in paper and textile industry, for high temperature applications e.g. on film blowing machines, on PET- dryers or injection moulding machines, on printing machines
Structure	Polyester-Polyurethane, translucent with spring steel wire
Temperature Resistance	– 40° C up to + 145° C (short-term up to +165° C)

high temperature

abrasion-resistant

inside smoothness

Properties: Very good temperature resistance, significantly more heat-resistant than other polyurethane hoses (short-term even up to +165° C), very smooth bore, very good abrasion resistance, good flexibility, free of halogen and softeners

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
38	1,40	70	2,90	0,90	0,44	10, 15
40	1,40	70	2,80	0,90	0,47	10, 15
50	1,40	90	2,80	0,90	0,61	10, 15
55	1,40	100	2,65	0,90	0,67	10, 15
60	1,40	110	2,50	0,80	0,73	10, 15
63	1,40	120	2,40	0,80	0,76	10, 15
70	1,40	130	2,10	0,70	0,84	10, 15
76	1,40	140	2,00	0,60	0,90	10, 15
80	1,40	150	2,00	0,60	0,95	10, 15
100	1,40	185	1,60	0,50	1,28	10, 15
125	1,40	230	1,15	0,40	1,59	10, 15
150	1,40	285	0,90	0,30	2,31	10, 15
200	1,40	375	0,70	0,20	3,20	10, 15

SMOOTHFLEX PU IND

Light weight and flexible hose, reinforced with rigid antishock PVC helix

Applications	Suitable for transport of abrasive particles, granules, waste and dust in plastic, woodworking, textile and construction industry
Structure	Polyester-Polyurethane, transparent, with rigid PVC helix, grey
Temperature Resistance	– 30° C up to + 80° C
Optional	In Ether TPU industrial quality

abrasion-resistant

inside smoothness

ECO FRIENDLY

Properties: Industrial version, good abrasion resistance, flexible and very smooth bore

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m
20	0,40	22	1,50	0,25	0,16
25	0,40	29	1,50	0,25	0,20
30	0,45	35	1,50	0,25	0,24
32	0,45	37	1,50	0,20	0,26
35	0,45	40	1,50	0,20	0,27
38	0,45	44	1,50	0,20	0,28
40	0,50	46	1,50	0,20	0,30
45	0,50	52	1,50	0,20	0,31
51	0,50	59	1,00	0,20	0,38
60	0,50	69	1,00	0,16	0,50
63	0,50	72	1,00	0,16	0,51
70	0,60	81	1,00	0,16	0,62
76	0,60	87	1,00	0,16	0,71
80	0,60	92	1,00	0,16	0,75
90	0,60	104	1,00	0,14	0,80
102	0,60	117	0,80	0,13	0,91
110	0,60	127	0,80	0,12	0,95
127	0,65	146	0,80	0,10	1,20
140	0,65	146	0,80	0,10	1,65
152	0,65	175	0,60	0,09	1,75
160	0,70	184	0,50	0,07	2,23
170	0,70	196	0,50	0,05	2,34
180	0,70	207	0,50	0,04	2,46
203	0,70	233	0,40	0,04	2,63
250	0,80	288	0,30	0,04	3,91

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

SMOOTHFLEX PU XTRA IND

Medium weight and flexible hose, reinforced with rigid antishock PVC helix

Applications	Suitable for transport of abrasive particles and granules in the plastic, woodworking and textile industry
Structure	Polyester-Polyurethane hose, transparent, with rigid PVC helix, grey
Temperature Resistance	– 30° C up to + 80° C
Optional	In Ether TPU industrial quality

abrasion-resistant

inside smoothness

ECO FRIENDLY

Properties: Industrial version, very good abrasion resistance, medium weight but flexible, very smooth bore

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m
20	0,80	70	2,00	0,35	0,18
25	0,80	88	2,00	0,35	0,23
30	0,80	105	2,00	0,35	0,35
32	0,80	112	2,00	0,30	0,38
38	0,80	133	2,00	0,30	0,39
40	0,90	140	2,00	0,30	0,39
45	0,90	158	2,00	0,30	0,41
51	1,00	179	1,50	0,25	0,44
60	1,00	210	1,50	0,25	0,45
63	1,00	221	1,50	0,25	0,54
65	1,00	228	1,50	0,25	0,73
70	1,00	245	1,50	0,25	0,74
76	1,00	266	1,50	0,25	0,87
80	1,00	280	1,50	0,25	0,89
90	1,00	315	1,50	0,23	1,03
102	1,00	357	1,30	0,22	1,09
110	1,00	385	1,30	0,21	1,16
120	1,00	420	1,30	0,20	1,32
127	1,00	445	1,30	0,20	1,38
130	1,00	455	1,00	0,18	1,62
140	1,00	490	1,00	0,18	1,74
152	1,00	532	1,00	0,16	2,39
160	1,00	560	0,90	0,16	2,53
170	1,00	595	0,90	0,14	3,23
180	1,00	630	0,80	0,12	3,39
203	1,20	711	0,70	0,10	3,57
250	1,20	875	0,50	0,10	3,81

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

VACUFLEX® KA-GH PU

Double-walled and flexible Polyether-Polyurethane hose

Applications	Suction hose for dental equipment and cable protection for medical devices
Structure	Double-walled Polyether-Polyurethane, grey with rigid PVC helix and a hollow chamber running parallel to the helix, light-grey
Temperature Resistance	– 5° C up to + 60° C
Optional	Made of PVC

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Ultra light and extremly flexible, inside and outside smooth, with hollow chamber running parallel to the helix, easy to clean, microbe and hydrolysis resistant

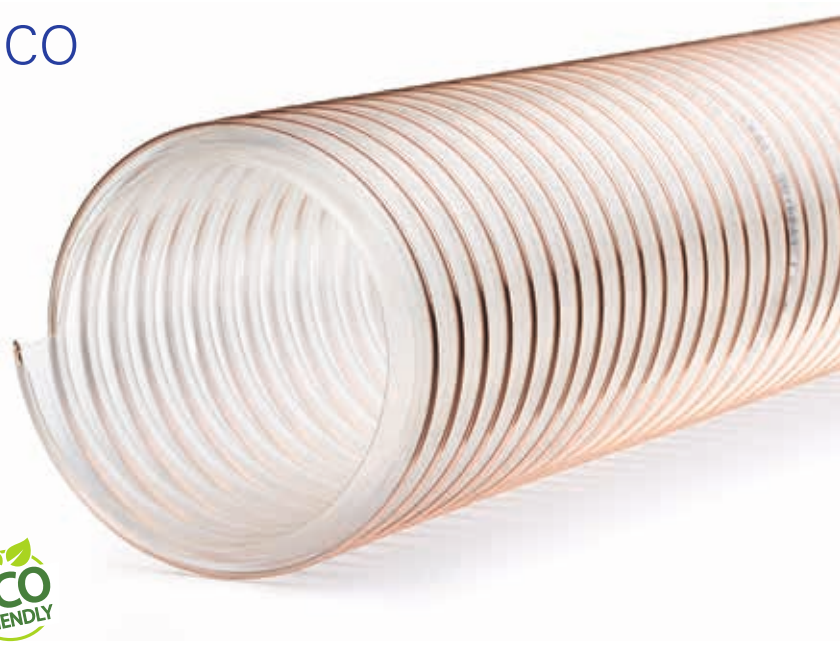
I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m
8	12	2,00	10	-	0,30	0,08
11	15	2,00	13	-	0,29	0,09
12	16	2,00	13	-	0,28	0,09
13	17	2,00	13	-	0,28	0,09
15	19	2,00	13	-	0,27	0,10
16	20	2,00	20	-	0,26	0,12
17	21	2,00	21	-	0,25	0,13
20	25	2,50	21	-	0,23	0,14
22	27	2,50	23	-	0,23	0,15
25	30	2,50	23	-	0,20	0,19
32	37	2,50	30	-	0,15	0,22

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

VACUFLEX® PU 400 C ECO

Very light and very flexible Polyether-Polyurethane ducting

Applications	Transportation of very light solids e.g. dust in several industries like woodworking and ceramic industry
Structure	Polyether-Polyurethane, transparent with spring steel wire
Temperature Resistance	– 40° C up to + 90° C (short term up to + 125° C)
Optional	In flame-retardant, antistatic and both in combination or Ester TPU



microbe-resistant

hydrolysis-resistant

abrasion-resistant

ECO FRIENDLY

Properties: Very light, flexible and compressible ducting with good tensile, abrasion strengths and ultimate elongation, flexible at low temperatures, resistant to hydrolysis and microbes, free of softeners, halogen and cadmium

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Vacuum bar	Working Pressure bar	Weight kg/m
25	29	0,40	25	0,25	0,60	0,10
32	36	0,40	32	0,25	0,60	0,12
35	39	0,40	38	0,25	0,60	0,14
38	42	0,40	42	0,25	0,60	0,15
40	44	0,40	40	0,25	0,60	0,18
44	48	0,40	44	0,20	0,50	0,20
48	52	0,40	52	0,25	0,60	0,21
51	55	0,40	51	0,20	0,50	0,22
60	64	0,40	60	0,20	0,50	0,26
63	67	0,40	63	0,15	0,40	0,28
65	69	0,40	65	0,15	0,40	0,28
70	74	0,40	70	0,15	0,40	0,33
76	80	0,40	76	0,15	0,40	0,36
80	84	0,40	80	0,10	0,30	0,38
83	87	0,40	83	0,10	0,30	0,39
89	93	0,40	89	0,10	0,30	0,42
90	94	0,40	90	0,10	0,30	0,42
102	107	0,40	102	0,08	0,25	0,46
110	115	0,40	110	0,08	0,25	0,49
120	125	0,40	120	0,08	0,25	0,54
127	132	0,40	127	0,08	0,25	0,57
152	157	0,40	152	0,08	0,25	0,68
160	165	0,40	160	0,05	0,15	0,71
203	209	0,40	203	0,05	0,15	0,95
255	261	0,40	225	0,03	0,10	1,19
308	314	0,40	308	0,02	0,08	1,44

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

VACUFLEX® PU 600 C ECO

Light and very flexible Polyether-Polyurethane ducting

Applications	Transportation of light solids e.g. dust in several industries e.g. woodworking, plastic and ceramic industry
Structure	Polyether-Polyurethane, transparent with spring steel wire
Temperature Resistance	– 40° C up to + 90° C (short term up to + 125° C)
Optional	In flame-retardant, antistatic and both in combination or Ester TPU

microbe-resistant

hydrolysis-resistant

abrasion-resistant

ECO FRIENDLY

Properties: Light, very flexible and compressible ducting with good tensile and abrasion strengths and high ultimate elongation, flexible at low temperatures, resistant to hydrolysis and microbes, free of softeners, halogen and cadmium

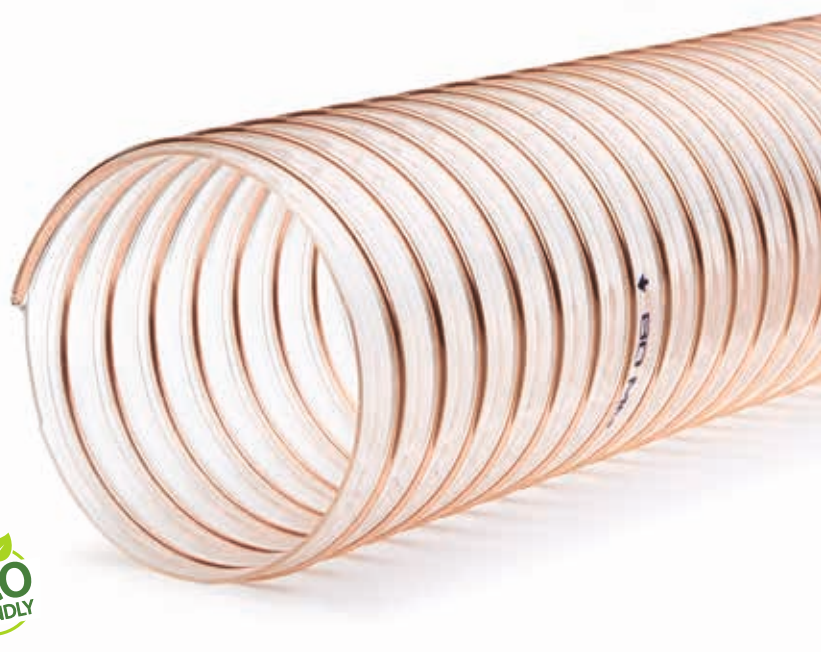
I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Vacuum bar	Working Pressure bar	Weight kg/m
25	29	0,60	25	0,35	0,70	0,13
32	36	0,60	32	0,35	0,70	0,16
35	39	0,60	35	0,35	0,70	0,18
38	42	0,60	38	0,35	0,70	0,19
40	45	0,60	40	0,35	0,70	0,23
44	49	0,60	44	0,25	0,60	0,25
51	56	0,60	51	0,25	0,60	0,29
60	65	0,60	60	0,25	0,60	0,34
63	68	0,60	63	0,25	0,60	0,35
65	70	0,60	65	0,25	0,60	0,36
70	75	0,60	70	0,25	0,60	0,43
76	81	0,60	76	0,25	0,60	0,47
80	85	0,60	80	0,15	0,40	0,49
83	88	0,60	83	0,15	0,40	0,51
89	94	0,60	89	0,15	0,40	0,55
90	95	0,60	90	0,15	0,40	0,55
102	108	0,60	102	0,10	0,30	0,58
110	116	0,60	110	0,10	0,30	0,63
120	126	0,60	120	0,10	0,30	0,68
127	133	0,60	127	0,10	0,30	0,72
152	158	0,60	152	0,10	0,30	0,86
160	166	0,60	160	0,05	0,20	0,90
203	210	0,60	203	0,05	0,20	1,19
255	262	0,60	225	0,04	0,15	1,49
308	262	0,60	308	0,04	0,10	1,80

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

FLEXADUX® PU 0.7 ECO

Medium weight and flexible Polyether-Polyurethane ducting

Applications	Suction and conveying of abrasive particles or granules
Structure	Polyether-Polyurethane, transparent with spring steel wire
Temperature Resistance	– 40° C up to + 100° C (short term up to + 125° C)
Optional	In flame-retardant, antistatic and both in combination or Ester TPU



microbe-resistant | hydrolysis-resistant | abrasion-resistant | inside smoothness

ECO FRIENDLY

Properties: Very smooth bore, good abrasion resistance, resistant to oil and petrols, free of halogen and softeners, resistant to hydrolysis and microbes and flexible at low temperatures

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
40	0,70	40	1,15	0,40	0,43	10, 15
50	0,70	50	1,00	0,25	0,51	10, 15
60	0,70	60	1,00	0,25	0,60	10, 15
80	0,70	80	0,80	0,20	0,79	10, 15
100	0,70	100	0,60	0,18	1,04	10, 15
120	0,70	120	0,50	0,15	1,16	10, 15
140	0,70	140	0,40	0,10	1,34	10, 15
150	0,70	150	0,38	0,10	1,43	10, 15
160	0,70	160	0,35	0,08	1,52	10, 15
180	0,70	180	0,30	0,07	1,76	10, 15
200	0,70	200	0,25	0,05	2,00	10, 15
215	0,70	215	0,25	0,05	2,18	10, 15
225	0,70	225	0,20	0,04	2,24	10, 15
250	0,70	250	0,20	0,04	2,48	10, 15
300	0,70	300	0,15	0,02	3,66	10, 15
350	0,70	350	0,10	0,01	4,25	10, 15
400	0,70	400	0,10	0,01	4,84	10, 15
450	0,70	450	0,05	0,01	5,43	10, 15
500	0,70	500	0,00	0,01	6,02	10, 15

VACUFLEX® PU 900 C ECO

Medium weigt and flexible Polyether-Polyurethane ducting

Applications	Transportation of solids e.g. dust, in-servar lindustries e.g. woodworking, plastic and ceramic industry
Structure	Polyether-Polyurethane, transparent with spring steel wire
Temperature Resistance	– 40° C up to + 90° C (short term up to + 125° C)
Optional	In flame-retardant, antistatic and both in combination or Ester TPU

microbe-resistant

hydrolysis-resistant

abrasion-resistant

ECO FRIENDLY

Properties: Medium weight and flexible ducting with good tensile, abrasion strengths and ultimate elongation, flexible at low temperatures, resistant to hydrolysis and microbes, free of softeners, halogen and cadmium

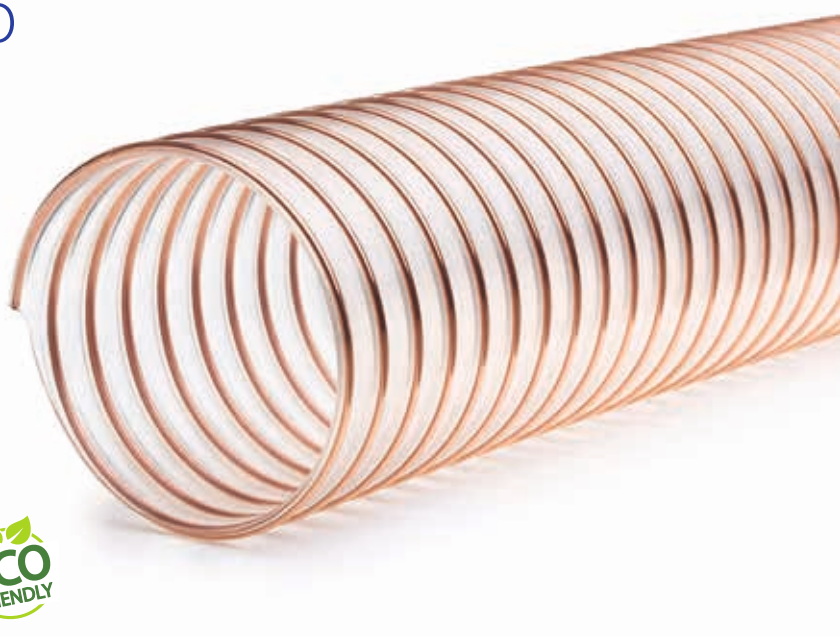
I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m
30	36	0,90	36	1,10	0,35	0,23
32	38	0,90	38	1,10	0,35	0,25
38	44	0,90	44	1,10	0,35	0,29
40	47	0,90	47	1,10	0,35	0,36
51	58	0,90	58	0,90	0,25	0,45
60	67	0,90	67	0,90	0,25	0,53
63	80	0,90	70	0,70	0,20	0,56
70	77	0,90	77	0,70	0,20	0,68
76	83	0,90	83	0,70	0,20	0,73
80	87	0,90	87	0,60	0,15	0,77
90	97	0,90	97	0,60	0,15	0,87
102	110	0,90	110	0,50	0,10	0,89
110	118	0,90	118	0,50	0,10	0,96
120	128	0,90	128	0,50	0,10	1,05
127	135	0,90	135	0,50	0,10	1,11
130	138	0,90	138	0,50	0,10	1,13
140	148	0,90	148	0,50	0,10	1,22
152	160	0,90	160	0,50	0,10	1,32
160	168	0,90	168	0,30	0,05	1,39
180	188	0,90	188	0,30	0,05	1,56
203	212	0,90	212	0,30	0,05	1,62
254	263	0,90	263	0,15	0,04	2,03
305	314	0,90	314	0,10	0,03	2,44
354	363	0,90	363	0,10	0,03	2,83
400	409	0,90	409	0,07	0,02	3,20
500	509	0,90	509	0,05	0,01	4,00
600	609	0,90	609	0,04	0,01	4,80

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

FLEXADUX® PU 1.0 ECO

Medium weight and flexible Polyether-Polyurethane ducting

Applications	Suction and conveying of abrasive particles or granules
Structure	Polyether-Polyurethane, transparent with spring steel wire
Temperature Resistance	– 40° C up to + 100° C (short term up to + 125° C)
Optional	In flame-retardant, antistatic and both in combination or Ester TPU



microbe-resistant | hydrolysis-resistant | abrasion-resistant | inside smoothness

ECO FRIENDLY

Properties: Very smooth bore, good abrasion resistance, resistant to oil and petrols, free of halogen and softeners, resistant to hydrolysis and microbes, flexible at low temperatures

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
25	1,00	33	1,45	0,55	0,19	10, 15
30	1,00	39	1,45	0,55	0,25	10, 15
35	1,00	46	1,25	0,45	0,30	10, 15
38	1,00	49	1,25	0,45	0,33	10, 15
40	1,00	52	1,25	0,45	0,35	10, 15
50	1,00	65	1,20	0,40	0,41	10, 15
60	1,00	78	1,15	0,35	0,47	10, 15
75	1,00	98	1,05	0,30	0,61	10, 15
80	1,00	104	1,05	0,25	0,65	10, 15
90	1,00	117	0,85	0,25	0,80	10, 15
100	1,00	130	0,70	0,23	0,95	10, 15
110	1,00	143	0,65	0,20	1,02	10, 15
120	1,00	156	0,65	0,20	1,08	10, 15
125	1,00	163	0,55	0,20	1,13	10, 15
140	1,00	182	0,55	0,15	1,18	10, 15
150	1,00	195	0,45	0,15	1,25	10, 15
160	1,00	208	0,40	0,15	1,34	10, 15
180	1,00	234	0,35	0,12	1,68	10, 15
200	1,00	260	0,30	0,10	1,87	10, 15
225	1,00	293	0,25	0,09	2,11	10, 15
250	1,00	325	0,25	0,09	2,35	10, 15
300	1,00	390	0,20	0,07	3,08	10, 15
350	1,00	455	0,18	0,06	3,75	10, 15
400	1,00	520	0,15	0,06	4,24	10, 15
450	1,00	585	0,15	0,06	5,42	10, 15

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

FLEXADUX® PU 1.4 ECO

Medium weight and flexible Polyether-Polyurethane ducting

Applications	Suction and discharging of abrasive materials
Structure	Polyether-Polyurethane, transparent with spring steel wire
Temperature Resistance	– 40° C up to + 100° C (short term up to + 125° C)
Optional	In flame-retardant, antistatic and both in combination or Ester TPU

microbe-resistant | hydrolysis-resistant | abrasion-resistant | inside smoothness

ECO FRIENDLY

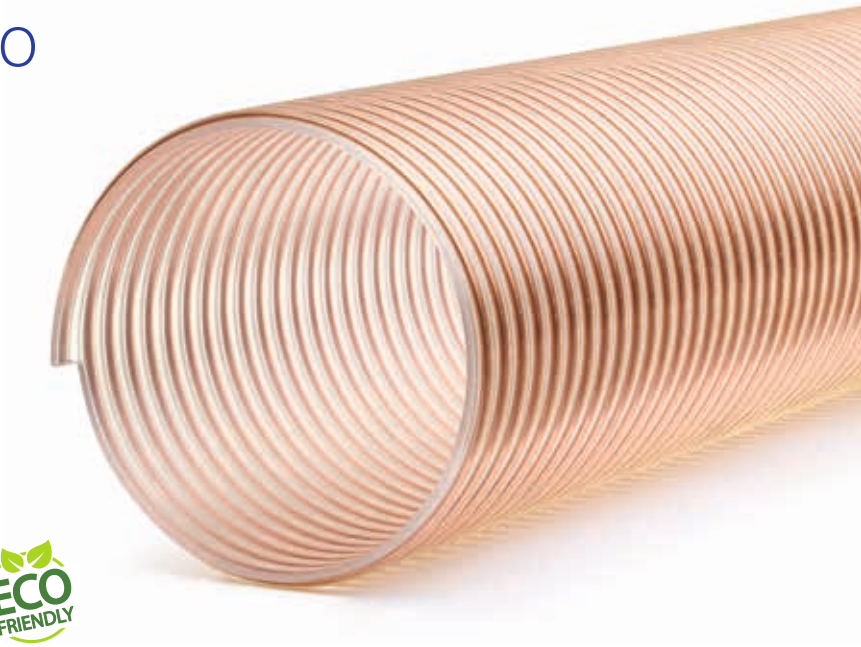
Properties: Very smooth bore, good flexibility, excellent abrasion resistance, resistant to oil and petrols, free of halogen and softeners, resistant to hydrolysis and microbes, flexible at low temperatures

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
25	1,40	38	3,00	0,90	0,30	10, 15
30	1,40	45	3,00	0,90	0,37	10, 15
32	1,40	48	3,00	0,90	0,38	10, 15
35	1,40	53	2,60	0,80	0,45	10, 15
38	1,40	57	2,40	0,75	0,52	10, 15
40	1,40	60	2,30	0,70	0,56	10, 15
50	1,40	75	1,90	0,60	0,67	10, 15
60	1,40	90	1,80	0,55	0,79	10, 15
75	1,40	113	1,20	0,50	0,98	10, 15
80	1,40	120	1,20	0,45	1,09	10, 15
90	1,40	135	1,10	0,45	1,23	10, 15
100	1,40	150	1,10	0,40	1,36	10, 15
110	1,40	165	1,00	0,35	1,38	10, 15
120	1,40	180	0,90	0,30	1,42	10, 15
125	1,40	188	0,80	0,25	1,54	10, 15
140	1,40	210	0,70	0,20	1,75	10, 15
150	1,40	225	0,70	0,20	1,82	10, 15
160	1,40	240	0,60	0,20	2,15	10, 15
180	1,40	270	0,50	0,15	2,55	10, 15
200	1,40	300	0,50	0,15	2,92	10, 15
225	1,40	338	0,40	0,10	3,25	10, 15
250	1,40	375	0,30	0,10	3,57	10, 15
300	1,40	450	0,30	0,10	4,31	10, 15
350	1,40	525	0,25	0,09	5,05	10, 15
400	1,40	600	0,20	0,09	5,75	10, 15
450	1,40	675	0,10	0,08	6,47	10, 15
500	1,40	750	0,07	0,04	7,37	10, 15

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

FLEXADUX® PU 2.0 ECO

Very heavy duty Polyether-Polyurethane ducting



Applications	Suction and transport of abrasive materials e.g. sand, gravel, grain and other bulk stuff, suitable for silo loading, on suction excavators or vacuum trucks
Structure	Polyether-Polyurethane, transparent with spring steel wire
Temperature Resistance	– 40° C up to + 100° C (short term up to + 125° C)
Optional	In flame-retardant, antistatic and both in combination or Ester TPU

microbe-resistant | hydrolysis-resistant | abrasion-resistant | inside smoothness

ECO FRIENDLY

Properties: Excellent abrasion and vacuum resistance, good resistance to oil and petrol fumes, very smooth bore, resistant to hydrolysis and microbes

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
40	2,00	100	2,50	0,95	0,83	10, 15
50	2,00	130	2,45	0,95	1,03	10, 15
60	2,00	150	2,40	0,95	1,23	10, 15
76	2,00	230	2,25	0,95	1,54	10, 15
80	2,00	250	2,20	0,95	1,82	10, 15
90	2,00	300	2,10	0,95	2,04	10, 15
100	2,00	400	2,00	0,95	2,27	10, 15
110	2,00	500	1,85	0,95	2,49	10, 15
120	2,00	600	1,70	0,95	2,71	10, 15
130	2,00	650	1,54	0,95	2,93	10, 15
140	2,00	700	1,60	0,90	3,68	10, 15
150	2,00	800	1,50	0,90	3,96	10, 15
160	2,00	850	1,45	0,85	4,22	10, 15
180	2,00	1000	1,30	0,75	4,74	10, 15
200	2,00	1200	1,15	0,65	5,26	10, 15
225	2,00	1400	1,00	0,55	5,91	10, 15
250	2,00	1600	0,70	0,45	6,56	10, 15

FLEXADUX® PU 2.5 ECO

Very heavy duty Polyether-Polyurethane ducting

Applications	Suction and transport of abrasive materials e.g. sand, gravel, grain and other bulk stuff, suitable for silo loading, on suction excavators or vacuum trucks
Structure	Polyether-Polyurethane, transparent with spring steel wire
Temperature Resistance	– 40° C up to + 100° C (short term up to + 125° C)
Optional	In flame-retardant, antistatic and both in combination or Ester TPU, heavy duty version

microbe-resistant | hydrolysis-resistant | abrasion-resistant | inside smoothness

ECO FRIENDLY

Properties: Excellent abrasion and vacuum resistance, good resistance to oil and petrol fumes, very smooth bore, resistant to hydrolysis and microbes

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
40	2,50	100	3,30	0,75	0,79	10, 15
45	2,50	113	3,10	0,75	0,88	10, 15
50	2,50	125	3,05	0,75	0,97	10, 15
60	2,50	150	3,00	0,75	1,30	10, 15
70	2,50	175	2,80	0,70	1,51	10, 15
75	2,50	188	2,30	0,70	1,61	10, 15
80	2,50	200	2,00	0,70	1,72	10, 15
90	2,50	225	1,80	0,60	1,93	10, 15
100	2,50	250	1,45	0,60	2,20	10, 15
110	2,50	275	1,30	0,60	2,42	10, 15
120	2,50	300	1,10	0,55	2,64	10, 15
130	2,50	325	1,10	0,55	2,79	10, 15
140	2,50	350	1,05	0,45	3,12	10, 15
150	2,50	375	0,95	0,45	3,34	10, 15
160	2,50	400	0,80	0,40	3,51	10, 15
180	2,50	450	0,70	0,40	3,95	10, 15
200	2,50	500	0,65	0,31	4,40	10, 15

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

VACUFLEX® K1H-PU

Light and highly flexible Polyurethane hose

Applications	Hose for high end vacuum cleaners and industrial scrubbers, cable protection and air ducting
Structure	Polyether-Polyurethane, black with Polyurethane-coated spring steel wire
Temperature Resistance	– 40° C up to + 90° C (short term up to + 125° C)
Optional	In ECO or with UL certifcation

microbe-resistant

hydrolysis-resistant

Properties: Light and highly flexible hose, microbe and hydrolysis resistant, excellent mechanical properties, oil-resistant, high tensile strength and breaking elongation, abrasive resistant and free of halogens

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m
10	15	0,50	10	0,60	0,45	0,08
20	25	0,50	20	0,60	0,45	0,15
25	30	0,50	25	0,60	0,45	0,19
32	37	0,50	32	0,60	0,45	0,20
35	40	0,50	35	0,60	0,45	0,20
38	43	0,50	38	0,60	0,45	0,23
40	45	0,50	40	0,60	0,45	0,24
41	46	0,50	41	0,60	0,45	0,25
51	57	0,50	51	0,60	0,35	0,32
60	66	0,50	60	0,60	0,35	0,41
65	71	0,50	65	0,60	0,35	0,47
70	76	0,50	70	0,60	0,35	0,51
76	82	0,50	76	0,60	0,35	0,55
80	87	0,50	80	0,60	0,35	0,58
83	90	0,50	83	0,60	0,35	0,60
89	96	0,50	89	0,60	0,35	0,65
90	97	0,50	90	0,60	0,35	0,65
102	109	0,50	120	0,40	0,30	0,82
110	117	0,60	130	0,40	0,30	0,85
120	127	0,60	145	0,40	0,30	0,94
127	134	0,60	150	0,40	0,30	1,10
152	160	0,60	180	0,30	0,20	1,30
160	168	0,60	195	0,30	0,20	1,37
203	211	0,60	245	0,15	0,10	1,70
255	263	0,60	305	0,12	0,08	2,14
308	316	0,60	370	0,07	0,05	2,58

VACUFLEX® K2-PU-UL

Double-walled Polyether-Polyurethane hose made with UL-compliant material

Applications	Cable protection hose for medical and industrial applications, vacuum delivery hose in vacuum lifting systems
Structure	Double-walled Polyether-Polyurethane, grey with Polyurethane-coated spring steel wire
Temperature Resistance	– 40° C up to + 90° C
Optional	Made of PVC

microbe-resistant

hydrolysis-resistant

flame-retardant

Properties: Double-walled, robust and very flexible hose due to the air chamber, microbe and hydrolysis resistant, flame-retardant, UL compliant hose (UL file: 44755)

I.D. Ø mm	O.D. Ø mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m
16	24	26	0,80	0,50	0,11
20	28	32	0,80	0,50	0,14
22	30	35	0,80	0,50	0,15
24	32	38	0,80	0,50	0,17
25	33	39	0,60	0,40	0,18
26	34	40	0,60	0,40	0,19
28	36	43	0,60	0,40	0,20
30	38	46	0,60	0,40	0,21
32	40	50	0,60	0,40	0,23
35	43	54	0,60	0,40	0,25
38	46	59	0,60	0,40	0,27
40	48	61	0,60	0,40	0,28
42	50	63	0,60	0,40	0,29
45	53	68	0,60	0,40	0,32
48	56	73	0,60	0,40	0,34
50	58	75	0,40	0,30	0,35
52	61	78	0,40	0,30	0,36
55	64	83	0,40	0,30	0,39
60	69	90	0,40	0,30	0,43
65	74	98	0,40	0,30	0,46
70	79	105	0,40	0,30	0,50
75	84	120	0,40	0,30	0,53
80	89	130	0,30	0,15	0,57
90	99	140	0,30	0,15	0,65
100	109	160	0,30	0,15	0,75

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

VACUFLEX® KD PU Stretch

Highly flexible Polyurethane hose with Polyurethane-coated spring steel wire

Applications	Suitable for automatic scrubbers, domestic and industrial vacuum cleaners, hair driers
Structure	Polyurethane, black with Polyurethane-coated spring steel wire
Temperature Resistance	– 40° C up to + 90° C (short term up to + 110° C)
Optional	Made of PVC with stretchratio 1:6, semi-stretch

microbe-resistant

hydrolysis-resistant

abrasion-resistant

Properties: Highly flexible stretch hose that can be extended up to four times of its relaxed length - it returns to normal length when released, microbe and hydrolysis resistant

I.D. Ø mm	O.D. Ø mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m
29	35	29	-	0,70	0,30
32	38	32	-	0,65	0,33
35	41	35	-	0,60	0,36

VACUFLEX® VC1-L-PU Stretch

Full thermoplatic stretch hose made of Polyurethane

Applications	Specially designed for personal safety equipment like breathing masks with filters and respirators
Structure	Polyether-Polyurethane with thermoplastic helix, black or grey
Temperature Resistance	– 20° C up to + 60° C

microbe-resistant

hydrolysis-resistant

Properties: Very light and highly flexible full plastic stretch hose, stretch ratio up to 1:2,5 to its relaxed length, good tensile strength and ulitmate elongation, microbes and hydrolysis resistant

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m
22	-	-	22	-	0,85	0,14
32	-	-	32	-	0,55	0,24
38	-	-	38	-	0,50	0,28
50	-	-	50	-	0,45	0,37

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

PVC Hoses and Ducting

Hoses made of PVC are cost-effective in comparison to other plastics. PVC hoses are characterized by an outstanding chemical resistance. Specifically, they obtain a superior resistance to acids and bases. This combined with its competitive price, PVC hoses are used in many different industries and applications. For instance, they are suitable for usage in the chemical industry and floor cleaning machines.

FLEXADUX® P1 N light grey

Light weight and flexible PVC hose, smooth bore

Applications	Mechanical engineering, cable conduit and protection, suction of spinning fibers, fumes and dust handling
Structure	Soft-PVC, light grey with spring steel wire
Temperature Resistance	0° C up to + 70° C
Optional	Transparent, antistatic (R ≤ 10^8 Ohm), 0,8 mm wall thickness

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Light weight and very flexible PVC hose with smooth bore and good chemical restistance, phthalate-free

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
13	0,50	13	2,50	0,80	0,07	10, 15
20	0,50	20	1,90	0,55	0,11	10, 15
25	0,50	25	1,70	0,45	0,17	10, 15
30	0,50	30	1,50	0,40	0,21	10, 15
40	0,50	40	1,40	0,30	0,24	10, 15
50	0,50	50	1,30	0,28	0,29	10, 15
60	0,50	60	1,10	0,25	0,50	10, 15
70	0,50	70	1,00	0,25	0,57	10, 15
75	0,50	75	0,80	0,20	0,63	10, 15
80	0,50	80	0,70	0,18	0,70	10, 15
100	0,60	100	0,60	0,15	0,79	10, 15
120	0,60	120	0,50	0,13	0,85	10, 15
125	0,60	125	0,40	0,12	0,98	10, 15
140	0,60	140	0,30	0,12	1,05	10, 15
150	0,60	150	0,25	0,10	1,18	10, 15
175	0,60	175	0,25	0,10	1,48	10, 15
200	0,60	200	0,20	0,09	1,69	10, 15
250	0,60	250	0,15	0,08	2,10	10, 15
300	0,60	300	0,12	0,06	2,52	10, 15
350	0,60	350	0,10	0,06	2,93	10, 15
400	0,60	400	0,08	0,02	3,39	10, 15

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

FLEXADUX® P1 N HT

Light and flexible PVC hose, very high heat resistance, smooth bore

Applications	Granule drying, fiber extraction in the textile industry as well as air, steam and dust extraction in the climate control and ventilation technology
Structure	Soft-PVC, translucent with coated spring steel wire
Temperature Resistance	0° C up to + 140° C

microbe-resistant | hydrolysis-resistant | high temperature | inside smoothness

Properties: Very high heat resistance for a PVC hose, very good chemical resistance, a high level of water- and gas tightness, good flexibility, smooth bore, phthalate-free

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
13	0,50	13	2,50	0,80	0,07	10, 15
20	0,50	20	1,90	0,55	0,11	10, 15
25	0,50	25	1,70	0,45	0,17	10, 15
30	0,50	33	1,50	0,40	0,18	10, 15
40	0,50	44	1,40	0,30	0,22	10, 15
50	0,50	55	1,30	0,28	0,27	10, 15
60	0,50	66	1,10	0,25	0,47	10, 15
70	0,50	77	1,00	0,25	0,53	10, 15
75	0,50	83	0,80	0,20	0,59	10, 15
80	0,50	88	0,70	0,18	0,65	10, 15
100	0,60	110	0,60	0,15	0,79	10, 15
120	0,60	132	0,50	0,13	0,85	10, 15
125	0,60	138	0,40	0,12	0,98	10, 15
140	0,60	154	0,30	0,12	1,05	10, 15
150	0,60	165	0,25	0,10	1,18	10, 15
175	0,60	193	0,25	0,10	1,45	10, 15
200	0,60	220	0,20	0,09	1,67	10, 15
250	0,60	275	0,15	0,08	2,05	10, 15
300	0,60	330	0,12	0,06	2,45	10, 15
350	0,60	385	0,10	0,06	2,85	10, 15
400	0,60	440	0,08	0,02	3,25	10, 15

VACUFLEX® PVC 600

Light and extremely flexible PVC ducting

Applications	For ventilation of air or transportation of light solids and dust e.g. in the plastic and chemical industry
Structure	PVC, transparent with spring steel wire
Temperature Resistance	– 10° C up to + 70° C
Optional	With 0,4 mm wall

microbe-resistant

hydrolysis-resistant

Properties: Light and very flexible hose PVC hose with good compression ratio, good chemical resistance, phthalate-free

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m
25	29	0,60	25	0,70	0,35	0,13
32	36	0,60	32	0,70	0,35	0,16
35	39	0,60	35	0,70	0,35	0,18
38	42	0,60	38	0,70	0,35	0,19
40	45	0,60	40	0,70	0,35	0,23
44	49	0,60	44	0,60	0,25	0,25
51	56	0,60	51	0,60	0,25	0,29
60	65	0,60	60	0,60	0,25	0,34
63	68	0,60	63	0,60	0,25	0,35
65	70	0,60	65	0,60	0,25	0,36
70	75	0,60	70	0,60	0,25	0,43
76	81	0,60	76	0,60	0,25	0,47
80	85	0,60	80	0,40	0,15	0,49
83	88	0,60	83	0,40	0,15	0,51
89	94	0,60	89	0,40	0,15	0,55
90	95	0,60	90	0,40	0,15	0,55
102	108	0,60	102	0,30	0,10	0,58
110	116	0,60	110	0,30	0,10	0,63
120	126	0,60	120	0,30	0,10	0,68
127	133	0,60	127	0,30	0,10	0,72
152	158	0,60	152	0,30	0,10	0,86
160	166	0,60	160	0,20	0,05	0,90
203	210	0,60	203	0,20	0,05	1,19
255	262	0,60	255	0,15	0,04	1,49
308	315	0,60	308	0,10	0,03	1,80

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

SERIE 5 PVC L M1

Light weight and very flexible PVC ducting with spring steel wire, according to M1 norm

Applications	Designed the for ventilation, extraction of dust in woodworking industry, suction of fumes and gases, used in zones, where compliance with M1 norm is required
Structure	PVC, blue with spring steel wire
Temperature Resistance	0° C up to + 70° C

microbe-resistant

hydrolysis-resistant

flame-retardant

Properties: Light weight and very flexible PVC M1 class ducting with spring steel wire, phthalate-free

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m
40	0,40	40	0,40	0,18	0,18
45	0,40	45	0,35	0,15	0,20
50	0,40	50	0,35	0,15	0,25
55	0,40	55	0,35	0,15	0,28
60	0,40	60	0,35	0,14	0,30
65	0,40	65	0,30	0,13	0,33
70	0,40	70	0,30	0,12	0,35
75	0,40	75	0,30	0,10	0,38
80	0,40	80	0,25	0,09	0,40
90	0,40	90	0,20	0,09	0,46
100	0,40	100	0,20	0,08	0,48
110	0,40	110	0,20	0,08	0,53
120	0,40	120	0,20	0,07	0,58
125	0,40	125	0,15	0,06	0,60
130	0,40	130	0,15	0,06	0,63
140	0,40	140	0,10	0,06	0,67
150	0,40	150	0,08	0,05	0,72
160	0,40	160	0,08	0,05	0,77
170	0,40	170	0,06	0,04	0,82
180	0,40	180	0,06	0,04	0,87
200	0,40	200	0,05	0,03	1,06
250	0,40	250	0,04	0,03	1,33
280	0,40	280	0,03	0,02	1,46
300	0,40	300	0,02	0,02	1,59
350	0,40	350	0,02	0,02	2,31
400	0,40	400	0,02	0,01	2,64
450	0,40	450	0,01	0,01	2,97

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

VACUFLEX® VAT-Elastic

Highly flexible PVC hose

Applications	Multi-purpose hose for the transport of air, liquids and solid materials, especially designed for floor care devices, vacuum cleaners and automatic scrubbers, also as suction hose for dehumidifiers in construction industry
Structure	Double layer PVC, black with reinforced yarn with PVC-coated spring steel wire, white
Temperature Resistance	– 10° C up to + 85° C

microbe-resistant

hydrolysis-resistant

Properties: Highly flexible hose, excellent mechanical properties, especially for higher tensile forces, good chemical resistance especially to solvent and other aggressive fumes, free of halogens, phthalate-free

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m
25	31	0,50	31	1,70	0,40	0,25
27	34	0,50	34	1,60	0,35	0,25
32	38	0,50	38	1,50	0,35	0,29
35	41	0,50	41	1,40	0,30	0,32
38	44	0,50	44	1,40	0,30	0,32
41	47	0,50	47	1,40	0,30	0,42
44	55	0,50	55	1,30	0,28	0,47
51	57	0,50	57	1,30	0,28	0,67
60	66	0,50	66	1,30	0,25	0,74
63	69	0,50	69	1,00	0,25	0,74
70	76	0,50	76	0,90	0,20	0,82
76	82	0,50	82	0,80	0,18	0,89
80	86	0,50	86	0,70	0,18	0,94
89	95	0,50	95	0,70	0,17	1,05
102	108	0,50	108	0,60	0,15	1,18
110	118	0,50	118	0,60	0,15	1,25
114	123	0,50	123	0,60	0,12	1,30
127	133	0,50	133	0,60	0,11	1,38
150	158	0,50	158	0,50	0,11	1,75
160	168	0,50	168	0,50	0,10	1,83

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

VACUFLEX® MG-V-Flex

Highly flexible PVC-hose

Applications	For cable protectionand or vacuum cleaners and industrial automatic scrubbers
Structure	Soft-PVC with ribbed wall, black and a PVC coated spring steel spiral
Temperature Resistance	– 10° C up to + 70° C

microbe-resistant

hydrolysis-resistant

Properties: Light weight and highly flexible hose, excellent mechanical properties due to special production process, outer ribs structure to increase mechanical strength and to improve abrasion stability, better gliding effect in particular over smooth surfaces, phthalate-free

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m
32	36	0,55	36	0,50	0,30	0,21
38	43	0,55	43	0,50	0,30	0,31
50	56	0,55	56	0,40	0,25	0,46

REDSPIR L SPH

Medium duty and flexible hose for suction and delivery of liquids and foodstuffs, food approved

Applications	Standard duty suction and delivery of high quality liquids and foodstuffs e.g. fruit juice, wine, beer
Structure	Soft-PVC, transparent with reinforced PVC helix, red
Temperature Resistance	– 5° C up to + 60° C
Optional	Cold resistant version, differently coloured spiral

food-grade | microbe-resistant | hydrolysis-resistant | inside smoothness

Properties: Flexible hose made of Soft-PVC, food-grade in accordance with the modified EU regulation 10/2011, food approved in accordance with EU regulation 10/2011 for food simulant A, B, C and D1, for the extraction or conveying of liquids such as fruit juices, wine, wines and beer up to 50 % alcohol concentration, reinforced with shock-resistant PVC spiral, the production complies with GMP guidelines EC 2023/2006, phthalate-free

I.D. Ø mm	O.D. Ø mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
32	39	128	6,00	0,80	0,43	25
38	46	152	6,00	0,80	0,53	25
40	49	160	6,00	0,80	0,56	25
51	60	200	5,00	0,80	0,00	20
55	64	220	5,00	0,80	0,80	25
60	69	240	5,00	0,76	0,98	25
63	73	252	5,00	0,76	1,05	25
70	80	280	4,00	0,76	1,15	25
80	91	320	4,00	0,76	1,56	25
102	115	400	3,00	0,70	2,16	25

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

REDSPIR STD SPH

Medium duty flexible hose for suction and delivery of liquids and foodstuffs, food approved

Applications	Medium duty suction and delivery of high quality liquids and foodstuffs e.g. fruit juice, wine, beer and alcohol up to 50% compatible with PVC
Structure	Soft-PVC, transparent with reinforced PVC helix, red
Temperature Resistance	– 5° C up to + 60° C
Optional	Cold resistant version, other coloured spiral

food-grade | microbe-resistant | hydrolysis-resistant | inside smoothness

Properties: Flexible hose made of Soft-PVC, food-grade in accordance with the modified EU regulation 10/2011, food approved in accordance with EU regulation 10/2011 for food simulant A, B, C and D1, for the extraction or conveying of liquids such as fruit juices, wines and beer up to 50 % alcohol concentration, reinforced with shock-resistant PVC spiral, the production complies with GMP guidelines EC 2023/2006, phthalate-free

I.D. Ø mm	O.D. Ø mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
35,00	43,00	225	9,00	0,90	0,60	25
40,00	48,60	260	9,00	0,90	0,73	25
51,00	60,00	270	9,00	0,90	1,05	25
55,00	64,20	280	8,00	0,90	1,12	25
60,00	69,40	300	8,00	0,85	1,20	25
63,00	72,30	325	7,00	0,85	1,30	25
70,00	80,20	380	7,00	0,85	1,65	25
80,00	92,00	400	7,00	0,85	1,87	25
90,00	103,00	450	5,00	0,85	2,20	25
102,00	116,00	500	4,00	0,85	2,81	25
110,00	124,40	530	4,00	0,80	3,12	25
120,00	136,00	600	4,00	0,80	3,58	25
152,00	168,00	750	3,00	0,80	5,12	25

REDSPIR SUPER SPH

Heavy duty and flexible hose for suction and delivery of liquids and foodstuffs, food approved

Applications	Duty suction and delivery of high quality liquids and foodstuffs e.g. fruit juice, wine, beer and alcohol up to 50% compatible with PVC
Structure	Soft-PVC, transparent with reinforced PVC helix, maroon
Temperature Resistance	– 5° C up to + 55° C

food-grade | microbe-resistant | hydrolysis-resistant | inside smoothness

Properties: Heavy duty hose made of Soft-PVC, food approved in accordance with EU regulation 10/2011 for food simulant A, B, C and D1, for the extraction or conveying of liquids such as fruit juices, wines and beer up to 50 % alcohol concentration, reinforced with shock-resistant PVC spiral, the production complies with GMP guidelines EC 2023/2006, phthalate-free

I.D. Ø mm	O.D. Ø mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
40	50	200	10,00	0,95	0,87	25
51	63	250	8,00	0,95	1,23	25
60	72	280	8,00	0,90	1,55	25
63	75	290	7,00	0,90	1,63	25
70	82	310	7,00	0,90	1,86	25
76	89	350	7,00	0,90	2,05	25
80	93	370	7,00	0,90	2,25	25
90	103	410	5,00	0,90	2,61	25
102	116	480	5,00	0,90	3,07	25
120	136	640	5,00	0,85	4,10	25
152	176	750	3,00	0,85	6,30	25

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

FLEXACIER LT

Medium duty, flexible PVC suction and delivery hose, food approved

Applications	Suction and conveying of liquids, including alcohol up to 20 %, used in: Food, agriculture, or plastics industry, irrigation and pumping
Structure	Soft-PVC, transparent with galvanized spring steel wire
Temperature Resistance	– 5° C up to + 65° C
Optional	Food simulant D1 such as milk (fatty foods, dairy products and spirits up to 50 % alcohol), PVC- ECO quality

food-grade | microbe-resistant | hydrolysis-resistant | inside smoothness

Properties: Smooth bore, smooth outside, food approved according to EU regulation 10/2011 tested with food simulants A, B and C, the production complies with GMP guideline EC 2023/2006, phthalate-free

I.D. Ø mm	O.D. Ø mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
10	16	20	11,00	0,90	0,16	60
12	18	25	10,00	0,90	0,18	60
13	19	25	10,00	0,90	0,19	60
14	20	25	10,00	0,90	0,21	60
16	22	30	10,00	0,90	0,23	60
18	24	32	8,00	0,90	0,30	60
19	26	32	8,00	0,90	0,31	60
20	27	35	8,00	0,90	0,33	60
22	29	40	8,00	0,90	0,38	60
25	33	42	8,00	0,90	0,50	60
30	38	50	6,00	0,90	0,60	60
32	40	53	6,00	0,90	0,65	60
35	44	60	6,00	0,90	0,70	60
38	47	70	5,00	0,85	0,80	30
40	50	75	5,00	0,85	0,87	30
45	55	80	5,00	0,80	1,10	30
51	61	100	4,00	0,80	1,20	30

FLEXACIER STD

Medium duty and flexible PVC suction and delivery hose, food approved

Applications	Suction and conveying of liquids, including alcohol up to 20 %, used in food, agriculture, or plastics industry, irrigation and pumping applications
Structure	Soft-PVC, transparent with galvanized steel spiral
Temperature Resistance	– 15° C up to + 65° C
Optional	Cold-resistant version

food-grade | microbe-resistant | hydrolysis-resistant | inside smoothness

Properties: Smooth bore, smooth outside, food approved according to EU regulation 10/2011 tested with food simulants A, B and C, the production complies with GMP guideline EC 2023/2006, phthalate-free

I.D. Ø mm	O.D. Ø mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
25	33	75	10,00	0,90	0,52	30
30	38	90	9,00	0,90	0,61	30
32	40	96	9,00	0,90	0,64	30
35	43	105	9,00	0,90	0,73	30
38	47	114	9,00	0,90	0,90	30
40	49	120	9,00	0,90	0,92	30
42	52	126	9,00	0,90	0,97	30
45	54	135	9,00	0,90	1,11	30
51	61	150	7,00	0,90	1,26	30
60	72	180	6,00	0,90	1,87	30
63	75	185	6,00	0,90	1,92	30
65	77	195	5,00	0,90	1,84	30
70	83	210	5,00	0,90	2,04	30
75	88	225	5,00	0,90	2,18	30
80	92	240	4,00	0,90	2,43	30
90	103	270	4,00	0,90	2,80	30
102	119	306	0,00	0,90	3,64	30
110	124	330	3,00	0,90	3,83	30
120	136	350	3,00	0,90	4,14	30
125	141	375	3,00	0,90	4,46	30
150	172	456	2,00	0,90	6,30	20

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

FLEXACIER SUPER SPH

Medium duty, steel spiral reinforced suction and delivery hose for high quality liquids and foodstuffs, food approved

Applications	Medium duty suction and delivery of high quality liquids and foodstuffs, including alcohol up to 50%
Structure	PVC, transparent, reinforced with steel wire coated in PVC, white
Temperature Resistance	– 10° C up to + 65°C
Optional	Cold-resistant version

food-grade | microbe-resistant | hydrolysis-resistant | inside smoothness

Properties: Medium duty and flexible hose made of Soft-PVC, creating barrier against corrosion, food approved according to EU regulation 10/2011 tested with food simulants A, B, C and D1, the production complies with GMP guideline EC 2023/2006, smooth inside and smooth outside, phthalate-free

I.D. Ø mm	O.D. Ø mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
20	30	90	7,00	0,90	0,35	30
25	34	100	6,00	0,90	0,51	30
30	37	120	5,00	0,90	0,68	30
32	40	140	5,00	0,90	0,71	30
35	45	150	5,00	0,90	0,77	30
38	49	160	5,00	0,90	0,90	30
40	52	160	5,00	0,95	1,13	30
50	63	190	5,00	0,95	1,50	30
60	73	240	5,00	0,85	1,73	30
70	84	280	5,00	0,85	2,36	30
80	94	320	5,00	0,85	2,70	30
90	105	360	4,00	0,85	3,02	30
100	123	420	3,00	0,80	3,40	30
120	140	500	2,00	0,80	5,05	20

APDatec 122

Flexible hose made of Soft-PVC, reinforced with shock-resistant PVC helix and copper wire

Applications	Standard duty suction and delivery of liquids and low abrasion materials e.g. pellets, wood chips or plastic granulates
Structure	Soft-PVC, transparent with rigid PVC helix with copper wire, white
Temperature Resistance	– 5° C up to + 60° C

microbe-resistant | hydrolysis-resistant | permanently antistatic | inside smoothness

Properties: Flexible hose made of Soft-PVC, reinforced with shock-resistant PVC spiral and circulating copper wire for grounding, phthalate-free

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	StandardLengths m
38,00	46,00	4,00	190	6,00	0,60	0,58	25
38,00	46,00	4,00	190	6,00	0,60	0,58	50
50,00	58,60	4,30	250	5,00	0,60	0,78	25
50,00	58,60	4,30	250	5,00	0,60	0,78	50
70,00	79,00	4,50	350	4,00	0,60	1,25	30

Alternative sizes, colours and imprints can be supplied on request | For further technical information please refer to Hose Guidelines

APDatec 120

Flexible hose made of Soft-PVC, food approved with PU inner layer and copper wire

Applications	Standard duty suction and delivery of liquids and low abrasion materials e.g. pellets, wood chips or plastic granulates, grounding of copper wire required
Structure	Soft-PVC with transparent PU inner layer, grey rigid PVC helix, copper wire
Temperature Resistance	– 5° C up to + 60° C

food-grade | microbe-resistant | hydrolysis-resistant | permanently antistatic | abrasion-resistant | inside smoothness

Properties: Flexible hose made out of soft PVC, food grade according to EG regulation no. 1935/2004 and no. 10/2011, FDA standard 21 CFR 177.2600 and 178.2010, food approved version for food simulant A, B and C, reinforced with shock resistant PVC helix, circulating copper wire for grounding and a high abrasive resistant Polyurethane inner layer, phthalate-free

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	StandardLengths m
32,00	39,00	3,50	171	7,00	0,75	0,52	30
38,00	45,00	3,50	180	7,00	0,75	0,55	30
40,00	47,80	3,90	190	7,00	0,75	0,58	30
45,00	53,00	4,00	212	6,00	0,70	0,67	30
51,00	59,00	4,00	225	6,00	0,70	0,78	30
60,00	68,40	4,20	270	6,00	0,70	0,92	30
65,00	73,60	4,30	293	5,00	0,70	1,14	30
70,00	79,00	4,50	316	5,00	0,70	1,24	30
75,00	84,60	4,80	338	4,00	0,70	1,30	30
102,00	114,60	6,30	459	3,00	0,68	2,24	20

APDatec 249

Heavy duty hose made of Soft-PVC with PU inner layer and copper wire

Applications	Transport of highly abrasive goods like metall, wood, gravel or grained food
Structure	Soft-PVC, yellow white with PU inner layer, with rigid PVC helix, copper wire
Temperature Resistance	– 20° C up to + 90° C

microbe-resistant | hydrolysis-resistant | permanently antistatic | abrasion-resistant | inside smoothness

Properties: Heavy duty and highly abrasion resistent hose due to it's Polyurethane inner layer, with copper wire for grounding and reinforced with shock-resistant PVC spiral, the Polyurethane inner layer is resistant to hydrolysis and microbes and smooth to ensure very low pressure losses, phthalate-free

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Vacuum bar	Weight kg/m	Standard Lengths m
32,00	39,00	3,50	0,75	0,52	30
40,00	49,00	4,50	0,75	0,58	30
51,00	61,40	5,20	0,75	0,90	30

Alternative sizes, colours and imprints can be supplied on request | For further technical information please refer to Hose Guidelines

APDatec 10

Flexible hose made of soft PVC wall, reinforced with shock-resistant PVC spiral

Applications	Light duty suction and delivery of water and liquids usable in agriculture, industrial, irrigation and water supply applications
Structure	Soft-PVC, green with rigid-PVC helix, white
Temperature Resistance	– 5° C up to + 60° C
Optional	Food-grade version

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Flexible hose made of soft PVC wall, reinforced with shock-resistant PVC spiral, good ozone- and UV-resistance, good resistance against chemicals and cleaning supplies, phthalate-free

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressu-re bar	Vacuum bar	Weight kg/m	Standard Legths m
13,00	17,20	2,10	55	7,00	0,60	0,14	50
16,00	20,40	2,20	70	7,00	0,60	0,16	50
19,00	23,80	2,40	80	7,00	0,60	0,20	50
25,00	30,00	2,50	110	7,00	0,60	0,25	50
30,00	35,60	2,80	130	7,00	0,60	0,31	50
32,00	37,60	2,80	140	7,00	0,60	0,32	50
35,00	41,00	3,00	150	6,00	0,60	0,38	50
38,00	44,40	3,20	180	6,00	0,60	0,42	50
40,00	46,60	3,30	190	6,00	0,60	0,47	50
45,00	51,60	3,30	220	5,00	0,60	0,53	50
50,00	56,80	3,40	240	5,00	0,60	0,64	50
55,00	62,00	3,50	250	5,00	0,60	0,70	50
60,00	67,00	3,50	270	5,00	0,60	0,77	50
63,00	70,00	3,50	290	5,00	0,60	0,81	50
70,00	77,60	3,80	320	4,00	0,60	1,00	50
75,00	83,00	4,00	370	4,00	0,60	1,15	50
80,00	88,20	4,10	400	4,00	0,60	1,30	50
90,00	98,80	4,40	450	4,00	0,60	1,56	50
100,00	109,40	4,70	500	4,00	0,60	1,71	50
110,00	122,00	6,00	530	4,00	0,60	2,10	25
125,00	138,40	6,70	690	3,00	0,60	2,90	25
150,00	164,60	7,30	810	2,00	0,60	3,72	25

APDatec 12

Flexible hose made of soft PVC wall reinforced with rigid antishock PVC helix, food approved

Applications	Standard duty suction and delivery of liquids, usable in water supply, industrial and food applications
Structure	Soft-PVC, transparent with rigid-PVC helix, white
Temperature Resistance	– 5° C up to + 60° C

food-grade | microbe-resistant | hydrolysis-resistant | inside smoothness

Properties: Flexible hose made of soft food-grade PVC wall, good ozone- and UV-resistance, good resistance against chemicals and food approved in accordance with EU regulation 10/2011 for food simulant A, B and C, for the extraction or conveying of liquids such as drinks, juices, vinegar and wines up to 20 % alcohol concentration, phthalate-free

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	StandardLengths m
13,00	18,00	2,50	55	7,00	0,70	0,15	50
16,00	21,20	2,60	70	7,00	0,70	0,18	50
19,00	24,40	2,70	80	7,00	0,70	0,24	50
25,00	30,80	2,90	110	7,00	0,70	0,29	50
30,00	36,20	3,10	130	7,00	0,70	0,35	50
32,00	38,40	3,20	140	7,00	0,70	0,37	50
38,00	44,60	3,30	180	6,00	0,70	0,49	50
40,00	47,00	3,50	190	6,00	0,70	0,51	50
45,00	52,00	3,50	220	5,00	0,70	0,57	50
50,00	57,60	3,80	240	5,00	0,70	0,69	50
55,00	62,80	3,90	250	5,00	0,70	0,77	50
60,00	68,00	4,00	270	5,00	0,70	0,82	50
65,00	73,60	4,30	290	5,00	0,70	0,93	50
70,00	79,00	4,50	316	4,00	0,70	1,10	50
75,00	84,20	4,60	370	4,00	0,70	1,25	50
80,00	89,60	4,80	400	4,00	0,70	1,40	50
90,00	100,20	5,10	450	4,00	0,60	1,65	50
100,00	111,80	5,90	500	4,00	0,60	1,80	50

Alternative sizes, colours and imprints can be supplied on request | For further technical information please refer to Hose Guidelines

APDatec 102

Medium weight and flexible hose made of Soft-PVC, reinforced with shock-resistant PVC spiral

Applications	Medium duty suction hose, watercircles on waterpumps in the garden
Structure	Soft-PVC, black with rigid PVC helix, white or black
Temperature Resistance	– 5° C up to + 60° C

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Flexible hose made of Soft-PVC, reinforced with shock-resistant PVC spiral, the completely smooth core guarantees low pressure loss and the highest possible flow rates, the corrugated ceiling offers optimal bending behavior, suitable for a variety of chemical substances, good resistance against ozone and UV, phthalate-free

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressu-re bar	Vacuum bar	Weight kg/m	StandardLengths m
19,00	23,80	2,40	80	5,00	0,60	0,20	25
19,00	23,80	2,40	80	5,00	0,60	0,20	50
25,00	30,00	2,50	110	5,00	0,60	0,25	25
25,00	30,00	2,50	110	5,00	0,60	0,25	50
32,00	37,60	2,80	135	5,00	0,60	0,32	25
32,00	37,60	2,80	135	5,00	0,60	0,32	50
38,00	44,40	3,20	160	5,00	0,60	0,42	25
38,00	44,40	3,20	160	5,00	0,60	0,42	50
40,00	46,60	3,30	170	5,00	0,60	0,47	25
40,00	46,60	3,30	170	5,00	0,60	0,47	50
50,00	56,80	3,40	220	5,00	0,60	0,64	25
50,00	56,80	3,40	220	5,00	0,60	0,64	50

APDatec 103

Very flexible and light hose made of Soft-PVC, reinforced with shock-resistant PVC spiral

Applications	Light duty suction hose, water-circles on waterpumps in the garden
Structure	Soft-PVC, black with rigid PVC helix, white or black
Temperature Resistance	– 5° C up to + 60° C

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Very light and very flexible hose made of Soft-PVC, reinforced with shock-resistant PVC spiral, the completely smooth core guarantees low pressure loss and the highest possible flow rates, the corrugated ceiling offers optimal bending behavior, suitable for a variety of chemical substances, good resistance to ozone and UV, phthalate-free

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Vacuum bar	Weight kg/m	Standard Lengths m
19,00	23,80	0,70	19	0,40	0,11	30
25,00	30,00	0,70	25	0,40	0,13	30
32,00	38,00	0,70	32	0,35	0,21	30
38,00	44,40	0,70	38	0,30	0,26	30
40,00	46,40	0,80	40	0,30	0,27	30
50,00	57,00	0,80	50	0,30	0,44	30

Alternative sizes, colours and imprints can be supplied on request | For further technical information please refer to Hose Guidelines

APDatec 105

Highly flexible hose made of Soft-PVC, reinforced with shock-resistant PVC helix

Applications	Medium duty suction and delivery of water and liquids in agriculture (e.g. trailing shoe systems), industrial, irrigation and water supply applications, especially suitable for spreading technology
Structure	Soft-PVC , green with rigid PVC helix, white
Temperature Resistance	– 25° C up to + 60° C

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Highly flexible hose made of Soft-PVC, reinforced with shock-resistant PVC spiral, completely smooth bore which guarantees low pressure loss and the highest possible flow, suitable for a variety of chemical substances, weather-resistant, particullary resistant to ozone and UV, phthalate-free

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressu-re bar	Vacuum bar	Weight kg/m	Standard Lengths m
19,00	25,60	2,30	76	7,00	0,60	0,28	50
25,00	32,00	3,00	100	7,00	0,60	0,36	50
32,00	39,40	3,70	128	6,00	0,60	0,47	50
38,00	46,00	4,00	152	4,00	0,60	0,56	50
40,00	48,40	3,50	160	4,00	0,60	0,63	50
50,00	58,60	4,30	200	4,00	0,60	0,82	50

APDatec 107

Flexible hose made of Soft-PVC, reinforced with shock-resistant PVC helix

Applications	Mediumdutysuctionanddeliveryof water and liquids usable in agricul-ture, industrial, irrigation and water supply applications
Structure	Soft-PVC, dark green with rigid PVC helix, black
Temperature Resistance	– 5° C up to + 60° C

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Flexible hose made of Soft- PVC, reinforced with shock-resistant PVC spiral, the smooth inner layer is perfect to minimize pressure-loss and high volume, the total smooth outside layer avoids soiling, suitable for a variety of chemical substances, weather resistant, particullary resistant to ozone and UV, phthalate-free

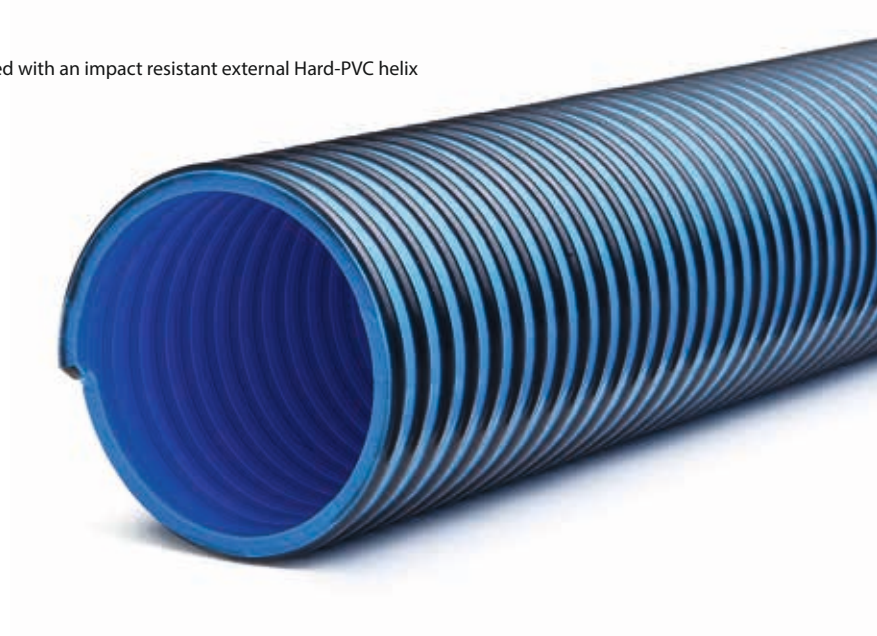
I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressu-re bar	Vacuum bar	Weight kg/m	StandardLengths m
20,00	25,40	2,70	104	7,00	0,70	0,21	50
25,00	29,80	2,90	130	7,00	0,70	0,30	25
25,00	29,80	2,90	130	7,00	0,70	0,30	50
32,00	38,00	3,00	155	7,00	0,70	0,39	25
32,00	38,00	3,00	155	7,00	0,70	0,39	50
38,00	45,00	3,50	180	6,00	0,70	0,47	25
38,00	45,00	3,50	180	6,00	0,70	0,47	50
50,00	57,60	4,20	240	5,00	0,70	0,76	25
50,00	57,60	4,20	240	5,00	0,70	0,76	50

Alternative sizes, colours and imprints can be supplied on request | For further technical information please refer to Hose Guidelines

APDatec 142

Very flexible and handy hose made of a special Soft-PVC, reinforced with an impact resistant external Hard-PVC helix

Applications	For suction or delivery of water, slurry and all PVC-compatible liquids under high vacuum or intermediate pressure in industry, agriculture and slurry tankers
Structure	Soft-PVC, blue with rigid Hard-PVC helix, black
Temperature Resistance	– 20° C up to + 60° C



microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Very flexible and handy hose made of special Soft-PVC, reinforced with an impact-resistant external Hard-PVC helix, the material remains flexible even at low temperatures, the design of the hose guarantees smooth gliding on any surface, the completely smooth bore ensures low pressure loss and maximum flow, the slightly corrugated ceiling offers optimum bending properties, phthalate-free

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
51,00	61,40	5,20	160	5,00	0,90	1,04	50
76,00	87,60	5,80	250	4,00	0,90	1,70	50
80,00	91,60	5,80	260	4,00	0,90	1,80	50
102,00	116,40	7,20	320	3,00	0,90	2,75	50
110,00	125,00	7,50	350	3,00	0,90	3,00	50
125,00	140,60	7,80	400	3,00	0,90	3,60	30
152,00	170,00	9,00	500	3,00	0,90	5,26	25
203,00	224,00	10,50	1015	2,00	0,90	9,35	25

APDatec 144

Very flexible hose made of Soft-PVC / Buna, reinforced with shock resistant PVC helix, ozone- and UV-resistant

Applications	For suction and delivery of water or slurry under high vacuum or intermediate pressure in industry, agriculture and slurry tankers
Structure	PVC-Buna compound, silver with rigid PVC helix, white
Temperature Resistance	– 40° C up to + 60° C

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Very flexible hose made of Soft-PVC / Buna-wall, reinforced with a shock-resistant PVC helix, the material remains flexible even at low temperatures, the completely smooth core guarantees low pressure loss and the highest possible flow rates, the slightly corrugated ceiling offers optimal bending behavior, resistant to ozone and UV, phthalate-free

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
25,00	33,40	4,20	110	7,00	0,90	0,50	50
30,00	38,60	4,30	120	6,00	0,90	0,57	50
32,00	41,20	4,60	120	6,00	0,90	0,60	50
35,00	44,00	4,50	120	6,00	0,90	0,69	50
38,00	48,00	5,00	140	6,00	0,90	0,70	50
40,00	50,00	5,00	150	5,00	0,90	0,84	50
51,00	61,40	5,20	170	5,00	0,90	1,00	50
60,00	71,00	5,50	190	4,00	0,90	1,30	50
63,00	74,00	5,50	210	4,00	0,90	1,40	50
76,00	88,40	6,20	240	4,00	0,90	1,70	50
80,00	92,40	6,20	250	3,00	0,90	2,10	50
90,00	102,00	6,00	290	3,00	0,90	2,21	50
102,00	116,40	7,20	320	3,00	0,90	2,70	50
110,00	124,00	7,00	410	3,00	0,90	3,00	25
125,00	141,00	8,00	620	2,00	0,90	3,60	25
152,00	170,00	9,00	500	2,00	0,90	5,00	4, 5, 6, 20
160,00	178,00	9,00	750	2,00	0,90	5,65	25
200,00	224,00	12,00	1100	1,00	0,90	8,51	4, 5, 20

Alternative sizes, colours and imprints can be supplied on request | For further technical information please refer to Hose Guidelines

VIDASPIR M

Flexible and medium duty hose for suction and delivery of liquids

Applications	Medium duty suction and delivery of liquids and low abrasion materials compatible with PVC in industry, agriculture, irrigation, water supply, tanker trucks
Structure	Soft-PVC, grey reinforced with shock resistant PVC helix, white
Temperature Resistance	– 25° C up to + 50° C

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Flexible hose made of very soft PVC wall, reinforced with shock-resistant PVC spiral, very smooth inside and smooth surface, low temperature resistance, phthalate-free

I.D. Ø mm	O.D. Ø mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
40	48	234	9,00	0,90	0,72	30
45	54	239	8,00	0,90	0,86	30
51	59	243	8,00	0,90	1,00	30
55	64	252	8,00	0,85	1,15	30
60	69	270	7,00	0,85	1,26	30
63	73	292	7,00	0,85	1,40	30
70	80	342	7,00	0,85	1,60	30
76	86	342	7,00	0,85	1,73	30
80	91	360	7,00	0,85	1,86	30
90	102	405	5,00	0,85	2,10	30
102	114	450	4,00	0,85	2,70	30
110	124	477	4,00	0,80	2,95	30
120	135	540	3,00	0,80	3,40	30
125	140	575	3,00	0,80	3,65	30
152	168	810	3,00	0,80	5,10	25
203	226	900	1,00	0,80	7,50	10

Alternative sizes and coloured spiral or wall can be supplied on request | For further technical information please refer to Hose Guidelines

VIDASPIR S

Heavy duty and flexible hose for suction and delivery of liquids, low temperature resistant

Applications	Heavy duty suction and delivery of liquids and low abrasion materials compatible with PVC in industry, agriculture, irrigation, water supply, tanker trucks
Structure	Soft PVC, grey reinforced with shock resistant PVC helix, white
Temperature Resistance	– 25° C up to + 50° C

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Flexible hose with very soft PVC wall, reinforced with shock-resistant PVC spiral, very smooth inside and smooth surface, low temperature resistance, phthalate-free

I.D. Ø mm	O.D. Ø mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
40	50	200	10,00	0,95	0,85	25
51	63	250	8,00	0,95	1,20	25
55	67	260	8,00	0,90	1,30	25
60	72	280	8,00	0,90	1,55	25
63	75	290	7,00	0,90	1,65	25
70	82	310	7,00	0,90	1,87	25
76	89	350	7,00	0,90	2,05	25
80	93	370	7,00	0,90	2,25	25
90	103	410	5,00	0,90	2,55	25
102	116	480	5,00	0,90	3,10	25
105	120	530	5,00	0,85	3,25	25
110	125	580	5,00	0,85	3,55	25
120	136	640	5,00	0,85	4,00	25
125	142	700	5,00	0,85	4,25	25
152	172	800	3,00	0,80	6,15	25
203	227	1150	1,00	0,80	10,00	10

Alternative sizes and coloured spiral or wall can be supplied on request | For further technical information please refer to Hose Guidelines

SUPERFLEXIBLE AO

Medium duty and flexible hose for liquid suction and delivery for the yachting and caravan industry, anti-odor

Applications	Medium duty suction and delivery of smelly liquids compatible with PVC, specially designed for the yachting and caravaning industry
Structure	Soft-PVC, white outside and black on the inside with reinforced shock-resistant PVC spiral, white
Temperature Resistance	– 25° C up to + 50° C
Optional	Without inner layer

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Flexible hose with inner layer of thermoplastic anti-odor barrier and very soft PVC wall, reinforced with shock-resistant PVC helix, phthalate-free

I.D. Ø mm	O.D. Ø mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
20	27	60	10,00	0,90	0,28	25
25	33	70	10,00	0,90	0,37	25
38	48	110	10,00	0,90	0,74	25
50	60	150	8,00	0,90	0,98	25
60	72	270	8,00	0,85	1,24	25

SANIFLEX

Light duty flexible hose for waste wate

Applications	Suitable for transportation of waste water at sinks and bathtubs
Structure	Soft-PVC, white with reinforced shock-resistant PVC helix, white
Temperature Resistance	– 25° C up to + 50° C

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Flexible hose made of soft PVC, reinforced with shock-resistant PVC helix, external profile adapted for cuffs, the hose can be shaped to an „S" to be used as a syphon, phthalate-free

I.D. Ø mm	O.D. Ø mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
25	30	30	-	-	1,90	10 - 30
30	36	35	-	-	2,40	10 - 30

With connection parts	25 / 32 mm	Smooth cuff	Screew ring cuff
	30 / 40 mm		

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

Aquakit M

Hose for medium suction and delivery for swimming pools and spa systems

Applications	Medium suction and delivery of water in swimming pools and spa systems, smooth external surface allows for an easy fit and gluing on PVC connectors
Structure	Soft-PVC, blue with PVC helix, white
Temperature Resistance	0° C up to + 50° C
Optional	Lighter version

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Flexible hose made of soft PVC wall, reinforced with shock-resistant PVC helix, smooth inside and smooth outer surface, standard external diameter, phthalate-free

I.D. Ø mm	O.D. Ø mm	Bending Radius mm	Working Pressure bar	Weight kg/m	Standard Lengths m
15	20	80	10	0,20	25
19	25	100	10	0,33	25
25	32	130	8	0,44	25
32	40	160	7	0,64	25
42	50	210	7	0,80	25
54	63	250	6	0,97	25

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

TPE/TPO Spiral Hoses

Hoses made from TPE / TPO have commonly a low weight in comparison to other materials. This type of hose is often used for chemicals like cleaning liquids, vacuum cleaning, and for applications with higher temperatures.

FLEXADUX® P2 PP

Light weight and very flexible Polypropylene ducting

Applications	Suction of air, fumes and gases, ventilation, air-conditioning in the vehicle construction industry
Structure	Soft-Polypropylene, black with spring steel wire
Temperature Resistance	– 20° C up to +100° C

microbe-resistant

hydrolysis-resistant

high temperature

Properties: Good temperature resistance, free of halogens and softeners, good chemical resistance, excellent flexibility, good UV-resistance

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
40	0,40	28	0,40	0,18	0,19	6, 10, 15
50	0,40	35	0,35	0,15	0,24	6, 10, 15
60	0,40	42	0,35	0,14	0,29	6, 10, 15
70	0,40	49	0,30	0,12	0,34	6, 10, 15
75	0,40	50	0,30	0,11	0,36	6, 10, 15
80	0,40	56	0,25	0,09	0,39	6, 10, 15
100	0,40	70	0,20	0,08	0,50	6, 10, 15
120	0,40	85	0,20	0,07	0,60	6, 10, 15
125	0,40	88	0,15	0,06	0,62	6, 10, 15
140	0,40	95	0,10	0,06	0,70	6, 10, 15
150	0,40	105	0,08	0,05	0,73	6, 10, 15
175	0,40	123	0,06	0,04	0,81	6, 10, 15
200	0,40	140	0,05	0,03	0,99	6, 10, 15
250	0,40	175	0,04	0,03	1,23	6, 10, 15
300	0,40	210	0,03	0,02	1,49	6, 10, 15
350	0,40	250	0,02	0,01	2,01	6, 10, 15
400	0,40	285	0,02	0,01	2,29	6, 10, 15
450	0,40	320	0,01	0,01	2,58	6, 10, 15
500	0,40	355	0,01	0,01	2,86	6, 10, 15

FLEXADUX® P2 PE EL

Light weight and very flexible Polyethylene ducting, electrically conductive

Applications	Suction of chemical fumes and gases in ventilation and air-conditioning, for explosion-endangered areas
Structure	Polyethylene, black with spring steel wire
Temperature Resistance	– 40° C up to + 60° C
Optional	Non-conductive in translucent

microbe-resistant

hydrolysis-resistant

electrically conductive

Properties: Electrically conductive (R ≤ 10^3 Ohm), conform to ATEX-guideline 2014/34/EU and to TRGS 727, good chemical resistance especially to solvent and other aggressive fumes, free of halogens and softeners

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
50	0,40	35	0,40	0,16	0,12	6, 10, 15
60	0,40	42	0,40	0,16	0,15	6, 10, 15
70	0,40	49	0,30	0,12	0,17	6, 10, 15
75	0,40	53	0,30	0,10	0,18	6, 10, 15
80	0,40	56	0,30	0,10	0,20	6, 10, 15
90	0,40	63	0,25	0,09	0,22	6, 10, 15
100	0,40	70	0,20	0,09	0,30	6, 10, 15
125	0,40	85	0,20	0,08	0,37	6, 10, 15
150	0,40	100	0,20	0,06	0,44	6, 10, 15
175	0,40	125	0,10	0,05	0,89	6, 10, 15
200	0,40	140	0,09	0,05	1,01	6, 10, 15
250	0,40	175	0,08	0,04	1,26	6, 10, 15
300	0,40	210	0,05	0,03	1,51	6, 10, 15
350	0,40	245	0,03	0,02	2,06	6, 10, 15
400	0,40	280	0,02	0,02	2,35	6, 10, 15
450	0,40	315	0,02	0,01	2,64	6, 10, 15
500	0,40	350	0,01	0,01	2,93	6, 10, 15

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

FLEXADUX® P1 PE

Light weight and flexible Polyethylene ducting

Applications	Extraction of chemical fumes and gases or mists, liquid chemicals drain off without pressure, printing machines
Structure	Polyethylene, translucent with coated spring steel wire
Temperature Resistance	– 40° C up to + 70° C

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Very good chemical resistance especially to solvent and other aggressive fumes, free of halogens and softeners, smooth bore

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
20	0,50	20	2,50	0,90	0,12	10, 15
25	0,50	25	2,35	0,75	0,14	10, 15
30	0,50	30	2,15	0,60	0,17	10, 15
35	0,50	35	2,00	0,50	0,19	10, 15
40	0,50	40	1,80	0,40	0,21	10, 15
50	0,50	50	1,50	0,35	0,39	10, 15
60	0,50	60	1,35	0,28	0,46	10, 15
70	0,50	70	1,00	0,20	0,53	10, 15
75	0,50	75	0,90	0,15	0,57	10, 15
80	0,50	80	0,80	0,13	0,60	10, 15
90	0,50	90	0,50	0,11	0,67	10, 15

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

VACUFLEX® K1H-TPR

Light weight and highly flexible Thermoplastic rubber hose

Applications	Air intake hose for automotive and compressor industry, ventilation hose at higher temperatures
Structure	TPR (Thermoplastic rubber), black with Polypropylen-coated spring steel spiral
Temperature Resistance	– 40° C to + 135° C (short term up to + 150° C)
Optional	Flame-retardant according to UL 94-V0

microbe-resistant

hydrolysis-resistant

high temperature

Properties: Light and highly flexible hose, stable at high temperatures, good chemical restistance and ozone resistance

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m
10,00	15,60	0,65	10	1,00	0,60	0,09
19,00	24,50	0,65	19	0,90	0,55	0,16
25,00	30,60	0,65	25	0,90	0,55	0,20
32,00	37,60	0,65	32	0,90	0,55	0,20
35,00	40,60	0,65	35	0,90	0,55	0,22
38,00	43,60	0,65	38	0,90	0,55	0,23
40,00	45,60	0,65	40	0,90	0,55	0,25
44,00	49,60	0,65	44	0,80	0,50	0,27
51,00	57,00	0,65	51	0,70	0,50	0,35
63,00	69,00	0,65	63	0,70	0,50	0,37
70,00	76,40	0,65	70	0,70	0,50	0,47
76,00	83,00	0,65	76	0,70	0,50	0,63
80,00	87,00	0,65	80	0,70	0,50	0,66
89,00	96,00	0,65	89	0,70	0,50	0,73
90,00	97,00	0,65	90	0,70	0,50	0,74
102,00	109,00	0,65	120	0,50	0,45	0,84
110,00	117,00	0,65	130	0,50	0,45	0,90
120,00	127,00	0,65	145	0,50	0,45	0,98
127,00	134,00	0,65	150	0,50	0,45	1,04
152,00	159,00	0,65	180	0,30	0,30	1,10
160,00	169,00	0,65	195	0,20	0,20	1,15
203,00	210,00	0,65	245	0,20	0,20	1,45
255,00	262,00	0,65	305	0,10	0,10	1,96
308,00	315,00	0,65	370	0,10	0,05	2,40

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

VACUFLEX® VSM-SO1

Very smooth internal, self-supporting profile hose made of modified Thermoplastic Polyolefin

Applications	Household and industrial vacuum cleaners
Structure	Modified TPO (Thermoplastic Polyolefin), silver metallic
Temperature Resistance	– 50° C up to + 60° C
Optional	In ECO, black

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: An inside smooth, flexible full-plastic profile hose with low flow resistance, very good resilience when pressed or twisted, crush-proof

I.D. Ø mm	O.D. Ø mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m
25,00	33,00	50	0,60	0,60	0,11
27,00	35,50	60	0,60	0,60	0,13
29,00	38,50	65	0,60	0,60	0,21
32,00	40,50	70	0,50	0,50	0,28
36,00	44,70	75	0,50	0,50	0,29
37,00	45,10	80	0,50	0,50	0,30
38,00	48,00	80	0,40	0,40	0,32
50,00	61,00	120	0,25	0,24	0,42

VACUFLEX® VSM-A

Very smooth internal, self-supporting profile hose made of antistatic modified antistatic Thermoplastic Polyolefin

Applications	Industrial vacuum cleaners and power tools
Structure	Modified TPO (Thermoplastic Polyolefin), black
Temperature Resistance	– 50° C up to + 60° C

microbe-resistant | hydrolysis-resistant | permanently antistatic | inside smoothness

Properties: An inside smooth, flexible full-plastic profile hose with low flow resistance, very good resilience when pressed or twisted, crush-proof, antistatic with surface resistance (R ≤ 10^8 Ohm)

I.D. Ø mm	O.D. Ø mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m
25,00	33,00	50	0,60	0,60	0,25
27,00	35,50	60	0,60	0,60	0,28
32,00	40,50	70	0,50	0,50	0,32
35,00	43,60	75	0,50	0,50	0,36
38,00	48,00	80	0,40	0,40	0,38
40,00	50,00	90	0,40	0,40	0,42
45,00	55,00	100	0,30	0,30	0,46
48,00	58,00	110	0,28	0,28	0,49
50,00	61,00	120	0,25	0,25	0,51
60,00	72,00	140	0,20	0,20	0,62
63,00	74,00	150	0,18	0,18	0,66
70,00	81,00	165	0,17	0,17	0,73
75,00	87,00	180	0,16	0,16	0,75
80,00	92,00	200	0,15	0,15	0,81

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

VACUFLEX® VSM-EL

Very smooth internal, self-supporting profile hose made of electrical modified Thermoplastic Polyolefin

Applications	Industrial vacuum cleaners, textile machines, woodworking machines, granulate conveyors, apparatus building
Structure	Electrical conductive modified TPO (Thermoplastic Polyolefin), black with protection shoulder
Temperature Resistance	– 50° C up to + 60° C
Optional	With coloured protection shoulder

microbe-resistant | hydrolysis-resistant | electrically conductive | inside smoothness

Properties: An inside smooth, flexible full-plastic profile hose with low flow resistance, very good resilience when pressed or twisted, crush-proof, electrically conductive (surface resistance R ≤ 10^4 Ohm)

I.D. Ø mm	O.D. Ø mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m
27,00	35,50	60	0,60	0,60	0,18
32,00	40,50	70	0,50	0,50	0,23
36,00	43,60	75	0,50	0,45	0,30
38,00	48,00	80	0,40	0,40	0,36
50,00	61,00	120	0,25	0,25	0,46

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

VACUFLEX® VSM-H

Very smooth internal, self-supporting profile hose made of Polyester-Elastomer

Applications	Suction hose for vacuum cleaners for pizza and bakery ovens and ash extractor for cooled ash, or welding equipment, protection hose for acetylene and oxygen, cable protection hose for applications when there is risk of flying sparks
Structure	Polyester-Elastomer, black
Temperature Resistance	– 60° C up to +120° C (short term up to + 150° C)

microbe-resistant

high temperature

inside smoothness

Properties: An inside smooth, flexible full-plastic profile hose with low flow resistance, very good resilience when pressed or twisted, crush-proof and very good temperature resistance and suitable for oils

I.D. Ø mm	O.D. Ø mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m
25,00	33,00	50	0,60	0,60	0,25
32,00	40,50	70	0,50	0,50	0,36
35,00	43,60	75	0,50	0,50	0,38
36,00	44,70	75	0,50	0,50	0,39
38,00	48,00	80	0,40	0,40	0,42
40,00	50,00	90	0,40	0,40	0,44
42,00	53,00	95	0,35	0,35	0,47
45,00	55,00	100	0,30	0,30	0,50
48,00	59,00	110	0,25	0,25	0,54
50,00	61,00	120	0,25	0,25	0,56
60,00	72,00	140	0,20	0,20	0,69
63,00	74,00	150	0,18	0,18	0,73
70,00	81,00	165	0,17	0,17	0,81
75,00	87,00	180	0,16	0,16	0,88
80,00	92,00	200	0,15	0,15	0,95

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

VACUFLEX® VSM-HX

Smooth internal, self-supporting profile hose made of modified Thermoplastic Polyolefin

Applications	Suction hose for bakery and pizza ovens and ash extractor for cooled ash, or welding applications, protection hose for acetylene and oxygen, cable protection hose for applications when there is risk of flying sparks
Structure	Modified TPO (Thermoplastic Polyolefin), black with coloured protection shoulder
Temperature Resistance	– 50° C up to + 120° C, (spot heat stress up to + 250° C)

microbe-resistant | hydrolysis-resistant | high temperature | inside smoothness

Properties: An inside smooth, flexible full-plastic profile hose with low flow resistance, very good resilience when pressed or twisted, crush-proof, with extremely good spot temperature resistance and an excellent enhanced chemical resistance

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m
25,00	33,00	-	50	0,60	0,60	0,11
32,00	40,50	-	70	0,50	0,50	0,28
35,00	43,60	-	75	0,50	0,50	0,29
36,00	44,70	-	75	0,50	0,50	0,29
37,00	45,10	-	80	0,50	0,50	0,30
38,00	48,00	-	80	0,40	0,40	0,32
40,00	50,00	-	90	0,40	0,40	0,34
45,00	55,00	-	100	0,30	0,30	0,38
50,00	61,00	-	120	0,25	0,25	0,42

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

VACUFLEX® VSM-Pool

Inside smooth, self-supporting full plastic hose made of Thermoplatic Polyolefin with low flow resistance, floatable

Applications	Swimmingpoolcleaningequipment and for pool filter technology
Structure	Modified TPO (Thermoplastic Polyolefin), translucent with blue protection shoulder
Temperature Resistance	– 50° C up to + 60° C

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: An inside smooth, flexible full-plastic profile hose with low flow resistance, very good resilience when pressed or twisted, crush-proof and floatable

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Vacuum bar	Working Pressure bar	Weight kg/m
25	33	-	50	0,60	0,60	0,11
32	40	-	70	0,50	0,50	0,28
35	43	-	75	0,50	0,50	0,29
36	44	-	75	0,50	0,50	0,29
37	45	-	80	0,50	0,50	0,30
38	48	-	80	0,40	0,40	0,32
40	50	-	90	0,40	0,40	0,34
45	55	-	100	0,30	0,30	0,38
50	61	-	120	0,25	0,25	0,42

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

VACUFLEX® POOLFLEX

Flexible profile hose made of Thermoplastic Polyolefin, with integrated cuffs

Applications	Floating hose for swimming pool cleaning equipment and for pool filter technology
Structure	Modified TPO (Thermoplastic Polyolefin) with integrated cuffs on both sides, blue
Temperature Resistance	– 30° C up to + 60° C
Optional	Without integrated cuffs

microbe-resistant

hydrolysis-resistant

Properties: Flexible corrugated profile hose with integrated double cuffs (distance between cuffs 1,5 m, nominal values) and with a maximum coil length up to 100,5 meters, floatable

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m
25	28	1,50	60	1,50	0,40	0,09
32	39	3,50	80	1,50	0,40	0,17
38	45	3,50	95	1,50	0,40	0,22

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

VACUFLEX® PONDFLEX

Flexible profile hose made of Thermoplastic Polyolefin, with integrated cuffs

Applications	Artificial ponds, solar heating for pools,landscaping,cableprotection
Structure	Modified TPO (Thermoplastic Polyolefin) with integrated cuffs, without spiral, black
Temperature Resistance	– 30° C up to + 60° C
Optional	Without integrated cuffs

microbe-resistant

hydrolysis-resistant

Properties: Flexible corrugated profile hose with integrated double cuffs (distance between cuffs 1,5 m, nominal values) and with a maximum coil length up to 100,5 meters, floatable

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m
25	28	1,50	60	1,50	0,40	0,09
32	39	3,50	80	1,50	0,40	0,17
38	45	3,50	95	1,50	0,40	0,22

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

APDatec 46

Flexible hose made of EVA with impact resistant Polypropylen helix, floatable

Applications	Pool cleaning equipment and filter technology
Structure	EVA hose, transparent with hard Polypropylen (PP) helix, blue
Temperature Resistance	– 20° C up to + 60° C

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Completely smooth bore to ensure low pressure loss and the highest possible flow rate, good flexibility restoring force after compression or buckling, reinforced with an impract-resistant helix made of Polypropylen, floatable

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Vacuum bar	Weight kg/m	Standard Lengths m
32	40	4,00	120	6,00	0,23	50
38	47	4,50	130	6,00	0,28	50
50	60	5,00	150	6,00	0,43	50

GENESIS® MK II

Light weight, very flexible Polyethylene ducting

Applications	Suction and transportation of fumes, gases and airborne particles, especially for the chemical and pharmaceutical industry, food processing, asbestos removal, insulation blowing equipment
Structure	Polyethylene, full plastic profile ducting, translucent
Temperature Resistance	– 40° C up to + 60° C
Optional	Softer version available, coloured spiral available

microbe-resistant

hydrolysis-resistant

Properties: Excellent chemical resistance, flexible at low temperatures, food quality, free of halogens and softeners, easy to handle, crush-proof

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
38	0,70	60	1,30	0,60	0,30	15
51	0,70	80	1,00	0,50	0,40	15
63	0,70	100	0,80	0,40	0,50	15
76	0,70	120	0,50	0,30	0,60	15
102	0,70	160	0,30	0,20	0,80	15

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

GENESIS® Commercial

Medium weight and flexible Polyethylene ducting

Applications	Suction and transport of liquids and material especially in sanitary and agricultural pumping systems, sewer cleaning, industrial vacuum cleaners, cable protection
Structure	Polyethylene (PE), full plastic profile ducting, black and grey
Temperature Resistance	– 40° C up to + 60° C
Optional	For fatty food, vegetable oil (simulant D2), translucent

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Smooth bore, crush-recoverable, good chemical resistance, excellent vacuum resistance, rot-proofed, free of halogens and softeners

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
32	0,70	48	0,80	0,85	0,35	10, 15, 20
38	0,70	57	0,75	0,85	0,40	10, 15, 20
51	0,70	76	0,70	0,85	0,50	10, 15, 20
63	1,30	95	0,65	0,80	0,90	10, 15, 20
76	1,30	114	0,60	0,80	1,10	10, 15, 20

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

GENESIS® ToiVac N

Flexible and super heavy duty Polyethylene ducting

Applications	Suction of liquids in sanitary and sewer applications, for waste water disposal from mobile toilets or railcrafts, for airport services
Structure	Polyethylene (PE), full plastic profile ducting, yellow-black
Temperature Resistance	– 40° C up to + 60° C
Optional	1 m lengths with rope, or tight welded cuffs on both ends

microbe-resistant

hydrolysis-resistant

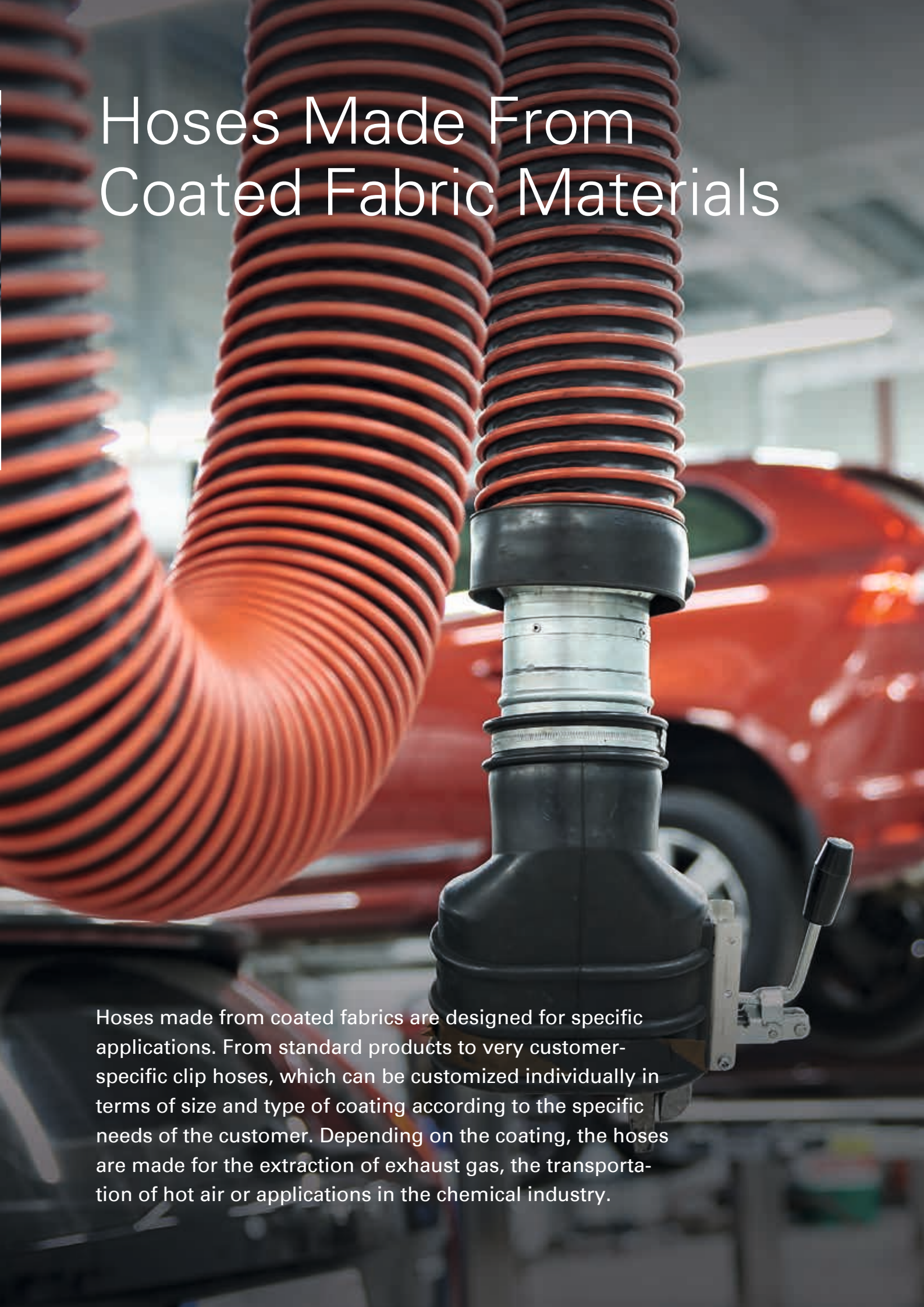
inside smoothness

Properties: Crush-recoverable, good chemical resistance, excellent vacuum resistance, rot-proofed, free of halogens and softeners

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Vacuum bar	Weight kg/m	Standard Lengths m
51	1,40	85	0,95	0,95	10, 15, 20
63	1,40	105	0,95	1,15	10, 15, 20
76	1,40	125	0,95	1,40	10, 15, 20
102	1,40	165	0,85	1,80	10, 15, 20

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

Hoses Made From Coated Fabric Materials



Hoses made from coated fabrics are designed for specific applications. From standard products to very customer-specific clip hoses, which can be customized individually in terms of size and type of coating according to the specific needs of the customer. Depending on the coating, the hoses are made for the extraction of exhaust gas, the transportation of hot air or applications in the chemical industry.

FLEXADUX® P2 A 1000 L

Light weight and very flexible ducting made of PVC-coated polyester fabric

Applications	Air-conditioning, suction of air, gas and welding fumes e.g. at extraction arms, for ventilation or heating, heating systems for the heating of tents or construction drying
Structure	PVC-coated polyester fabric, grey with spring steel spiral
Temperature Resistance	– 30° C up to + 80° C (short-term up to + 100° C)
Optional	Heavy version and flame-retardent version according to NFP 92503-M1

microbe-resistant

hydrolysis-resistant

flame-retardant

Properties: Excellent flexibility, good compressibility, flame-retardant in accordance with UL 94 V-0

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
25	0,40	18	0,79	0,22	0,09	10, 15
30	0,40	21	0,79	0,22	0,09	10, 15
40	0,40	28	0,70	0,18	0,09	10, 15
50	0,40	35	0,70	0,18	0,11	10, 15
60	0,40	42	0,70	0,14	0,14	10, 15
70	0,40	49	0,62	0,12	0,18	10, 15
75	0,40	53	0,53	0,09	0,19	10, 15
80	0,40	56	0,53	0,09	0,21	10, 15
100	0,40	70	0,44	0,08	0,26	10, 15
120	0,40	85	0,44	0,07	0,31	10, 15
125	0,40	88	0,44	0,07	0,33	10, 15
140	0,40	95	0,31	0,05	0,37	10, 15
150	0,40	105	0,18	0,05	0,40	10, 15
175	0,40	123	0,18	0,04	0,55	10, 15
200	0,40	140	0,18	0,04	0,63	10, 15
250	0,40	175	0,09	0,04	0,79	10, 15
300	0,40	210	0,04	0,02	0,95	10, 15
350	0,40	245	0,04	0,02	1,11	10, 15
400	0,40	280	0,04	0,02	1,28	10, 15
450	0,40	315	0,03	0,01	1,43	10, 15
500	0,40	350	0,02	0,01	1,60	10, 15
600	0,40	400	0,01	0,01	3,34	10, 15
710	0,40	400	0,01	0,01	3,96	10, 15
800	0,40	475	0,01	0,01	5,02	10, 15

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

FLEXADUX® P2 HL

Light weight and very flexible PVC ducting, antistatic

Applications	Suction of colour and solvent fumes, air-conditioning and suction of dust, for explosion-hazardous areas, air supply at biogas plants
Structure	PVC-coated polyester fabric, black with spring steel spiral
Temperature Resistance	– 40° C up to + 80° C

microbe-resistant | hydrolysis-resistant | flame-retardant | permanently antistatic

Properties: Good flexibility, antistatic (R ≤ 10^8 Ohm) conform to TRGS 727 and to biogas plant TRAS 120, maintains flexibility at low temperatures, meets the requirements of standard DIN 4102 B1 according fire behaviour of building materials and building components

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
20	0,40	20	2,10	0,35	0,10	6, 10, 15
25	0,40	25	2,00	0,35	0,12	6, 10, 15
30	0,40	30	1,80	0,32	0,13	6, 10, 15
40	0,40	40	1,50	0,30	0,19	6, 10, 15
50	0,40	50	1,20	0,25	0,24	6, 10, 15
60	0,40	60	1,00	0,20	0,32	6, 10, 15
70	0,40	70	0,90	0,18	0,38	6, 10, 15
75	0,40	75	0,85	0,12	0,40	6, 10, 15
80	0,40	80	0,80	0,10	0,43	6, 10, 15
100	0,40	100	0,60	0,08	0,51	6, 10, 15
120	0,40	120	0,50	0,07	0,62	6, 10, 15
125	0,40	125	0,50	0,07	0,66	6, 10, 15
140	0,40	140	0,40	0,06	0,71	6, 10, 15
150	0,40	150	0,30	0,06	0,78	6, 10, 15
175	0,40	175	0,25	0,05	0,91	6, 10, 15
200	0,40	200	0,20	0,04	1,10	6, 10, 15
250	0,40	250	0,15	0,03	1,38	6, 10, 15
300	0,40	300	0,10	0,02	1,65	6, 10, 15
350	0,40	350	0,06	0,02	2,18	6, 10, 15
400	0,40	400	0,04	0,01	2,50	6, 10, 15
450	0,40	450	0,04	0,01	2,81	6, 10, 15
500	0,40	500	0,03	0,01	3,12	6, 10, 15
600	0,40	600	0,02	0,01	4,95	6, 10, 15
710	0,40	710	0,01	0,01	5,85	6, 10, 15
800	0,40	800	0,01	0,01	6,60	6, 10, 15

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

FLEXADUX® P2 SP

Light weight and very flexible ducting made of TPE-coated Polyester fabric

Applications	Extraction of chemical fumes and gases under mechanical influence, air conditioning e.g. in busses, caravans and boats, vehicle construction, fresh air intake in engines or compressors, at granulate and plastic dryers or film blowing machines
Structure	TPE-coated polyester fabric, black with spring steel wire
Temperature Resistance	– 40° C up to + 150° C
Optional	Flame retardant version

microbe-resistant | hydrolysis-resistant | high temperature

Properties: Very good heat resistance, very good chemical resistance to fumes of acids and solvents, UV- and ozone-resistant, rot-proof, withstands severe flexing

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
20	0,40	20	0,45	0,25	0,08	6, 10, 15
25	0,40	25	0,45	0,20	0,09	6, 10, 15
30	0,40	30	0,40	0,20	0,14	6, 10, 15
40	0,40	40	0,35	0,15	0,16	6, 10, 15
50	0,40	50	0,35	0,10	0,21	6, 10, 15
60	0,40	60	0,35	0,08	0,25	6, 10, 15
70	0,40	70	0,30	0,08	0,29	6, 10, 15
75	0,40	75	0,20	0,07	0,31	6, 10, 15
80	0,40	80	0,20	0,06	0,33	6, 10, 15
100	0,40	100	0,15	0,05	0,56	6, 10, 15
120	0,40	120	0,15	0,04	0,67	6, 10, 15
125	0,40	125	0,13	0,04	0,70	6, 10, 15
140	0,40	140	0,12	0,04	0,73	6, 10, 15
150	0,40	150	0,11	0,04	0,78	6, 10, 15
175	0,40	175	0,09	0,03	0,82	6, 10, 15
200	0,40	200	0,08	0,02	1,27	6, 10, 15
250	0,40	250	0,07	0,02	1,45	6, 10, 15
300	0,40	300	0,05	0,01	1,50	6, 10, 15
350	0,40	350	0,04	0,01	1,60	6, 10, 15
400	0,40	400	0,04	0,01	1,85	6, 10, 15
450	0,40	450	0,03	0,01	2,00	6, 10, 15
500	0,40	500	0,03	0,01	2,25	6, 10, 15
600	0,40	600	0,01	0,01	4,10	6, 10, 15
710	0,40	710	0,01	0,01	4,85	6, 10, 15
800	0,40	800	0,01	0,01	5,47	6, 10, 15

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

FLEXADUX® P-G-EX 1

Light weight and very flexible exhaust gas ducting of TPE-coated polyester fabric

Applications	Extraction of vehicle exhaust gases in overfloor applications with reel systems, suction channels or on engine test benches
Structure	TPE-coated polyester fabric, black with PA-helix, white and heat-stabilised wear strip profile made of TPE, black
Temperature Resistance	– 40° C up to + 150° C (short-term up to + 170° C)
Optional	With coloured profile

microbe-resistant | hydrolysis-resistant | high temperature

Properties: Excellent chemical resistance, especially against oil and petrol fumes, crush recoverable, UV- and ozone-resistant, free of halogens and softeners

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Vacuum bar	Weight kg/m	Standard Lengths m
40	0,40	80	0,65	0,25	2,5 - 20
50	0,40	85	0,50	0,41	2,5 - 20
65	0,40	100	0,35	0,53	2,5 - 20
70	0,40	105	0,20	0,61	2,5 - 20
75	0,40	105	0,15	0,69	2,5 - 20
80	0,40	160	0,12	0,74	2,5 - 20
90	0,40	175	0,12	0,83	2,5 - 20
100	0,40	190	0,10	0,87	2,5 - 20
125	0,40	250	0,08	1,20	2,5 - 20
150	0,40	300	0,06	1,44	2,5 - 20
200	0,40	400	0,04	1,83	2,5 - 20
250	0,40	500	0,02	2,29	2,5 - 20

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

FLEXADUX® SIL II

High temperature hose made of two plies Silicone coated fiber glass reinforced fabric

Applications	Transport of hot air and gases in paper processing, plastic industry and vehicle construction
Structure	Two plies silicone coated glass fiber reinforced fabric, red with spring steel wire
Temperature Resistance	– 60° C up to + 300° C
Optional	1 ply Silicon, 1 or 2 ply Neoprene or spiralfree cuffs

microbe-resistant | hydrolysis-resistant | high temperature | inside smoothness

Properties: Light and flexible, very smooth, excellent resistance to high temperatures and fumes, very good chemical resistance, maintains flexibility at low temperatures

I.D. Ø mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
13	13	2,50	0,70	0,09	4
19	19	2,50	0,70	0,10	4
25	25	2,50	0,70	0,14	4
32	32	2,50	0,58	0,18	4
35	35	2,40	0,58	0,19	4
38	38	2,40	0,56	0,21	4
41	41	2,40	0,55	0,24	4
51	51	2,40	0,53	0,29	4
55	55	2,30	0,53	0,32	4
60	60	2,30	0,46	0,34	4
63	63	2,20	0,46	0,36	4
70	70	2,20	0,44	0,44	4
76	76	2,10	0,44	0,47	4
80	80	2,10	0,40	0,51	4
83	83	2,10	0,40	0,51	4
90	90	2,00	0,40	0,55	4
102	102	1,80	0,35	0,61	4
110	110	1,70	0,30	0,75	4
120	120	1,60	0,23	0,81	4
127	127	1,50	0,21	0,86	4
140	140	1,30	0,18	0,95	4
152	152	1,10	0,10	1,10	4
160	160	0,90	0,09	1,15	4
178	178	0,80	0,07	1,28	4
203	203	0,60	0,06	1,40	4
254	254	0,40	0,04	1,79	4
305	305	0,20	0,02	2,15	4

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

FLEXADUX® Hyp T CL

Very flexible clamp profile ducting for suction of corrosive media

Applications	Suction of aggressive chemical gases and fumes especially for paint and paper industry, pharmaceutical and chemical industry for gases, dust, powder and fibers
Structure	2 ply-clipped hose with PTFE-foil on the inside and CSM-coated Polyester fabric with outer wear strip on the outside, black
Temperature Resistance	– 40° C up to + 175° C (short-term up to + 190° C)
Optional	Teflon foil, electrically conductive

microbe-resistant | hydrolysis-resistant | high temperature

Properties: Good resistance against chemicals, weather proof, good compressibility, outer wear strip, good mechanical strength, good UV and ozone resistance

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standards Lengths m
50	0,50	30	0,90	0,44	0,50	3 - 10
60	0,50	36	0,78	0,31	0,60	3 - 10
65	0,50	39	0,68	0,26	0,70	3 - 10
70	0,50	42	0,67	0,23	0,70	3 - 10
76	0,50	45	0,62	0,20	0,80	3 - 10
80	0,50	48	0,61	0,17	0,80	3 - 10
83	0,50	50	0,58	0,17	0,90	3 - 10
102	0,50	60	0,51	0,11	1,00	3 - 10
112	0,50	66	0,48	0,09	1,10	3 - 10
120	0,50	72	0,36	0,08	1,10	3 - 10
127	0,50	75	0,33	0,07	1,20	3 - 10
140	0,50	84	0,25	0,06	1,30	3 - 10
152	0,50	90	0,22	0,05	1,30	3 - 10
160	0,50	96	0,21	0,04	1,30	3 - 10
180	0,50	108	0,17	0,04	1,40	3 - 10
203	0,50	120	0,15	0,03	1,60	3 - 10
254	0,50	175	0,10	0,02	2,10	3 - 10
305	0,50	210	0,07	0,01	2,40	3 - 10
407	0,50	280	0,05	0,01	3,80	3 - 10
508	0,50	400	0,04	0,01	4,70	3 - 10

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

FLEXADUX® Silicon CL

Light weight and very flexible Silicone clamp profile ducting

Applications	Suction of hot fumes, gases or dust in all fields of industry, high temperature extraction on ovens, in the ceramics industry or the steel and aluminium processing industry
Structure	Silicone coated clipped hose with glass fabric and outer wear strip, silver grey
Temperature Resistance	– 60° C up to + 300° C
Optional	With blue protection profile

microbe-resistant

hydrolysis-resistant

high temperature

Properties: Highly flexible, good temperature resistance, outer wear strip, flame-retardant wall, excellent axial compressibility, good UV and ozone resistance

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
50	0,40	30	0,85	0,32	0,40	3 - 10
60	0,40	36	0,68	0,22	0,50	3 - 10
76	0,40	45	0,47	0,14	0,60	3 - 10
80	0,40	48	0,43	0,13	0,62	3 - 10
102	0,40	60	0,30	0,08	0,65	3 - 10
110	0,40	66	0,25	0,07	0,70	3 - 10
120	0,40	72	0,22	0,06	0,72	3 - 10
127	0,40	75	0,21	0,05	0,80	3 - 10
152	0,40	90	0,16	0,04	0,90	3 - 10
160	0,40	96	0,14	0,03	0,94	3 - 10
180	0,40	108	0,12	0,02	1,00	3 - 10
203	0,40	120	0,10	0,02	1,21	3 - 10
254	0,40	175	0,07	0,01	1,70	3 - 10
305	0,40	210	0,05	0,01	2,13	3 - 10
350	0,40	245	0,04	0,01	2,50	3 - 10
407	0,40	280	0,03	0,01	3,10	3 - 10
508	0,40	400	0,02	0,01	4,15	3 - 10

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

FLEXADUX® HT 450 CL

Very flexible clamp profile ducting for temperatures up to + 450° C

Applications	Extraction of exhaust gases, flue gas extraction and suction of other hot fumes, gases or dust at e.g. ovens in the ceramic, steel or aluminum industry
Structure	2-ply clipped hose with raw glass on the inside and silicone coated glass fabric on the outside, with outer wearstrip, silver grey
Temperature Resistance	– 60° C up to + 450° C
Optional	Clip hoses up to +1100° C

microbe-resistant | hydrolysis-resistant | high temperature

Properties: Very good temperature and heat resistance, outer wear strip, flame retardant wall, excellent axial compressibility

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
50	0,75	30	0,90	0,44	0,60	3 - 10
60	0,75	36	0,78	0,31	0,70	3 - 10
65	0,75	39	0,68	0,26	0,80	3 - 10
70	0,75	42	0,67	0,23	0,90	3 - 10
76	0,75	45	0,62	0,20	1,00	3 - 10
80	0,75	48	0,61	0,17	1,00	3 - 10
83	0,75	54	0,56	0,14	1,20	3 - 10
102	0,75	60	0,51	0,11	1,30	3 - 10
112	0,75	66	0,48	0,09	1,30	3 - 10
120	0,75	72	0,36	0,08	1,40	3 - 10
127	0,75	75	0,33	0,07	1,40	3 - 10
140	0,75	84	0,25	0,06	1,60	3 - 10
152	0,75	90	0,22	0,05	1,80	3 - 10
160	0,75	96	0,21	0,04	1,80	3 - 10
180	0,75	108	0,17	0,04	2,10	3 - 10
203	0,75	120	0,15	0,03	2,80	3 - 10
254	0,75	175	0,10	0,02	3,20	3 - 10
305	0,75	210	0,07	0,01	3,80	3 - 10
407	0,75	280	0,05	0,01	4,20	3 - 10
508	0,75	400	0,04	0,01	5,20	3 - 10

FLEXADUX® HT 650 CL

Very flexible clamp profile ducting for temperatures up to + 650° C

Applications	Extraction of aggressive chemicals, gases, fumes, dust, powder and fibers for the paint and paper, pharmaceutical and chemical industry
Structure	2-ply clipped hose with Silicone coated glass fibre fabric, reinforced by woven in stainless steel wire on the inside and outer wear strip on the outside, silver grey
Temperature Resistance	– 60° C to + 650° C
Optional	Clip hoses up to +1100° C

microbe-resistant | hydrolysis-resistant | high temperature

Properties: Very good temperature and heat resistance, outer wear strip, flame-retardant wall, excellent axial compressibility

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
50	0,75	30	0,90	0,44	0,60	3 - 10
60	0,75	36	0,78	0,31	0,70	3 - 10
65	0,75	39	0,68	0,26	0,80	3 - 10
70	0,75	42	0,67	0,23	0,90	3 - 10
76	0,75	45	0,62	0,20	1,00	3 - 10
80	0,75	48	0,61	0,17	1,00	3 - 10
83	0,75	54	0,58	0,14	1,20	3 - 10
102	0,75	60	0,51	0,11	1,30	3 - 10
112	0,75	66	0,48	0,09	1,30	3 - 10
120	0,75	72	0,36	0,08	1,40	3 - 10
127	0,75	75	0,33	0,07	1,40	3 - 10
140	0,75	84	0,25	0,06	1,60	3 - 10
152	0,75	90	0,22	0,05	1,80	3 - 10
160	0,75	96	0,21	0,04	1,80	3 - 10
180	0,75	108	0,17	0,04	2,10	3 - 10
203	0,75	120	0,15	0,03	2,80	3 - 10
254	0,75	175	0,10	0,02	3,20	3 - 10
305	0,75	210	0,07	0,01	4,35	3 - 10
407	0,75	280	0,05	0,01	6,40	3 - 10
508	0,75	400	0,04	0,01	8,20	3 - 10

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

SERIE 6 PUR M1

Light weight and flexible Polyurethane ducting with coated Polyester fabric

Applications	Extraction for suction of very hot air, dust, oil and petrol fumes, where fire resistance is required
Structure	Polyurethane-coated Polyester fabric, grey with spring steel wire
Temperature Resistance	– 40° C up to + 180° C

microbe-resistant | hydrolysis-resistant | flame-retardant | high temperature

Properties: Light weight with very good flexibility, good abrasion resistance, fire-resistant according to M1 norm, reinforced with spring steel wire for grounding, free of halogens and softeners

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
60	0,40	45	0,80	0,16	0,22	10
70	0,40	50	0,70	0,14	0,26	10
75	0,40	55	0,60	0,10	0,28	10
80	0,40	55	0,80	0,10	0,30	10
90	0,40	65	0,60	0,08	0,33	10
100	0,40	70	0,60	0,08	0,35	10
110	0,40	75	0,50	0,07	0,38	10
120	0,40	85	0,50	0,07	0,42	10
125	0,40	85	0,50	0,07	0,44	10
130	0,40	90	0,40	0,06	0,45	10
140	0,40	100	0,40	0,06	0,48	10
150	0,40	105	0,30	0,06	0,53	10
160	0,40	110	0,25	0,05	0,56	10
170	0,40	120	0,25	0,05	0,60	10
180	0,40	130	0,20	0,04	0,63	10
200	0,40	140	0,20	0,04	0,79	10
204	0,40	140	0,15	0,03	0,80	10
225	0,40	160	0,15	0,03	0,89	10
250	0,40	175	0,15	0,03	0,99	10
275	0,40	190	0,10	0,02	1,10	10
280	0,40	200	0,10	0,02	1,12	10
300	0,40	210	0,10	0,02	1,20	10
304	0,40	210	0,10	0,02	1,22	10
315	0,40	220	0,06	0,02	1,63	10
325	0,40	230	0,06	0,02	1,68	5
350	0,40	250	0,06	0,02	1,80	5
400	0,40	280	0,04	0,01	2,10	5

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

FLEXADUX® PS-HL, PS-Yellow

Light weight and very flexible PVC ducting, antistatic (PS-HL)

Applications	Extraction of dust and solvent fumes, air-conditioning and ventilation in ex-endangered areas, heating of tents and buildings
Structure	PVC-coated polyester fabric, Yellow (PS-yellow) or black (PS-HL) with outer wearstrip profile and spiralfree cuffs or flexible endrings
Temperature Resistance	– 20° C up to + 70° C
Optional	With spiralfree cuffs or flexible endings, even more light and flexible

microbe-resistant

hydrolysis-resistant

permanently antistatic

Properties: Good flexibility, good compressibility, PS-HL is antistatic (R ≤ 10^8 Ohm), maintains flexibility at low temperatures, outer wearstrip profile

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
150	0,45	105	0,64	0,05	1,10	5, 7.5, 10
200	0,45	140	0,55	0,05	1,20	5, 7.5, 10
250	0,45	175	0,45	0,03	1,35	5, 7.5, 10
300	0,45	210	0,35	0,03	1,44	5, 7.5, 10
400	0,45	280	0,25	0,03	2,05	5, 7.5, 10
500	0,45	350	0,20	0,03	3,30	5, 7.5, 10
600	0,45	420	0,17	0,02	4,50	5, 7.5, 10
700	0,45	490	0,15	0,02	5,60	5, 7.5, 10
800	0,45	560	0,13	0,01	6,80	5, 7.5, 10
900	0,45	630	0,11	0,01	8,40	5, 7.5, 10
1000	0,45	700	0,10	0,01	10,00	5, 7.5, 10

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

APDatec 630

Light weight and very flexible PVC ducting

Applications	For air conditioning and dedusting, asbestos disposal, tent heating, mobile and building heating, suitable for extracting of gas and air
Structure	PVC-coated polyester fabric, yellow and spring steel wire and externally protection profile, black
Temperature Resistance	– 20° C up to + 80° C

microbe-resistant

hydrolysis-resistant

Properties: Light weight and highly flexible hose for warm air made of PVC-coated Polyester fabric reinforced with a steel wire, axial compressible, good flexibility at lower temperatures, resistant to aging, good abrasion protection by externally mounted scuff protection profile, kink-proof and good tensile strength, self-extinguishing

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Bursting Pressure bar	Standard Lengths m
152	157	0,25	0,47	76	0,01	7,60
203	208	0,25	0,61	101	0,01	7,60
254	259	0,25	0,84	127	0,01	7,60
305	310	0,25	1,15	153	0,01	7,60
425	430	0,25	1,50	212	0,01	7,60
525	530	0,25	1,85	262	0,01	7,60
600	605	0,25	2,20	305	0,01	7,60
700	705	0,25	2,50	350	0,01	7,60

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

SERIE 8 PVC / NEOPRENE

Stiched flexible neoprene or PVC-coated fabric ducting with spring steel wire and covered wear strip profile

Applications	Suction air, gases, other fumes, blowing warm air for mobile heaters
Structure	Stiched flexible ducting made of Neoprene or PVC-coated fabric, reinforced with steel wire covered by PVC wearstrip profile, construction and design on request
Temperature Resistance	According to the type of fabric and the coating chosen

microbe-resistant

hydrolysis-resistant

high temperature

Properties: According to the type of fabric and the coating chosen

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m
Min. 90 mm - Max. 1200 mm			Custom made specifications			0,30 - 1,40 bar

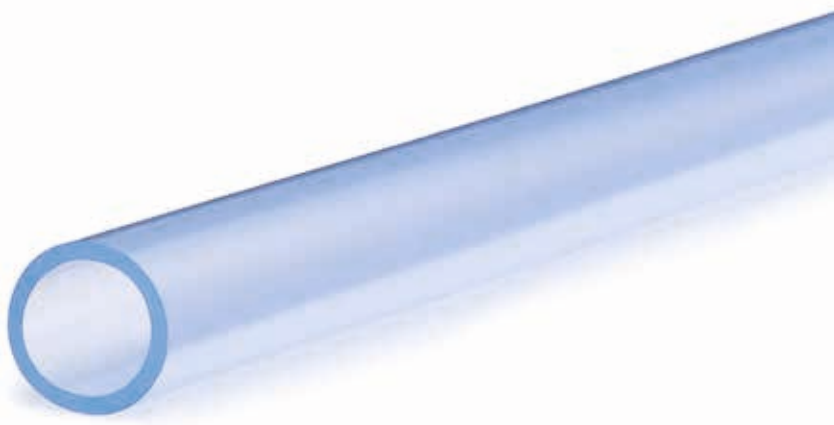
Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

Monolayer Hoses

Mono-extruded hoses without reinforcement are especially suitable for low pressure or low vacuum applications. They can be used in laboratories for the transport of acids and alkalis, in the automotive industry, the machine building industry, for filling level measurements and visual inspections of all kinds or as protective hoses for sensitive bars or hose packages.

APDatec 840

Flexible single layer hose made of Soft-PVC, phtalate-free and food approved



Applications	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
Structure	Soft-PVC, transparent
Temperature Resistance	– 20° C up to + 65° C

food-grade | microbe-resistant | hydrolysis-resistant | inside smoothness

Properties: Flexible single layer hose made of Soft-PVC, phthalate-free, food approved according to EG regulation no. 1935/2004 and no. 10/2011, FDA standard 21 CFR 177.2600 and 178.2010 for food simulants A, B and C

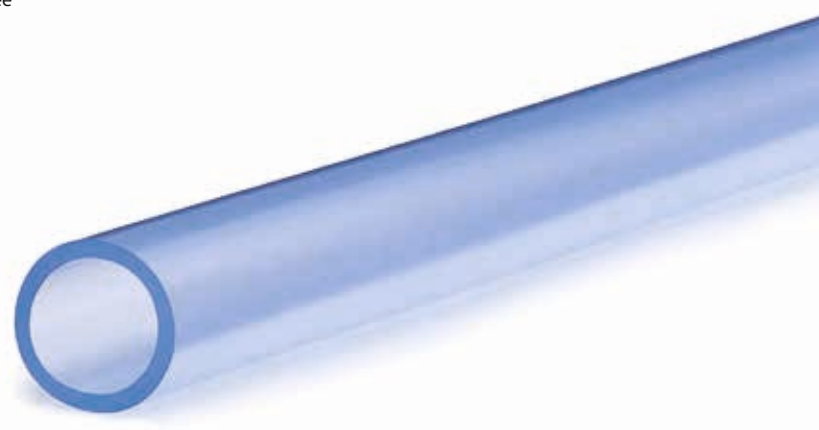
I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bursting Pressure bar	Weight kg/m	Standard Lengths m
4	6	1,00	6,50	0,02	100
5	8	1,50	8,50	0,04	100
6	9	1,50	7,00	0,04	100
7	11	2,00	6,00	0,07	100
8	12	2,00	7,00	0,08	50
10	14	2,00	6,00	0,09	50
12	16	2,00	5,00	0,11	50
13	17	2,00	4,50	0,12	50
15	19	2,00	6,00	0,13	50
16	20	2,00	5,60	0,14	50
18	22	2,00	3,50	0,16	50
19	23	2,00	3,50	0,16	50
19	27	4,00	6,30	0,35	50
22	28	3,00	4,30	0,29	50
25	31	3,00	3,50	0,32	25
28	36	4,00	4,00	0,49	25
30	37	3,50	3,50	0,45	25
32	40	4,00	4,00	0,52	30
35	42	5,00	3,50	0,55	25
38	48	5,00	4,00	0,83	25
40	50	5,00	4,00	0,87	25
45	55	5,00	3,50	0,96	25
50	60	5,00	3,00	1,05	25
60	70	5,00	2,50	1,25	25
70	80	5,00	0,00	1,44	25
80	90	5,00	0,00	1,64	25
90	100	5,00	0,00	1,83	25

Alternative sizes, colours and lengths can be supplied on request | For further technical information please refer to Hose Guidelines

APDatec 841

Flexible, single-layer hose made of Soft-PVC, oil resistant and phtalate-free

Applications	For the transport of oil and oil containing liquids in several industries and laboratory applications
Structure	Soft-PVC, transparent
Temperature Resistance	– 20° C up to + 65° C



microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Flexible, single-layer hose made of Soft-PVC, oil resistant, phthalate-free and resistant to a variety of chemical substances

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bursting Pressure bar	Weight kg/m	Standard Lengths m
4	6	1,00	6,50	0,02	100
4	8	2,00	10,00	0,05	100
5	9	2,00	10,50	0,05	100
6	10	2,00	9,00	0,06	100
8	12	2,00	7,00	0,08	50
10	14	2,00	6,00	0,09	50
12	16	2,00	5,00	0,11	50
13	19	3,00	6,50	0,18	50
15	21	3,00	6,00	0,20	50
16	21	2,50	4,50	0,18	50
19	27	4,00	6,30	0,35	50
25	34	4,50	5,50	0,51	25
30	39	4,50	4,50	0,60	25
40	50	5,00	4,00	0,87	25

Yarn Reinforced Hoses

Hoses with yarn reinforcement are especially designed for being applied in compressed air technology and pneumatics, for gardening, in the food industry as pressure hoses for conveying foodstuffs, liquids, acids and alkalis, as hose for waste water treatment plants and in various applications in the automotive industry, construction industry, industrial engineering, chemical industry, laboratories, assembly companies, and car workshops.

SMARTFLEX SMT Comfort

5-layer Soft-PVC hose for gardening and irrigation with advanced anti-torsion mesh

Applications	Gardening and irrigation, for professional gardeners and agriculture
Structure	5-layer Soft-PVC hose with Polyester fabric, grey with orange stripes
Temperature Resistance	– 15° C up to + 65° C

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Five matched layers for excellent handling, 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

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Working Pressure bar	Bursting Pressure bar	Weight kg/m	Standard Lengths m
12,50	17,40	2,45	14,00	42	0,14	10, 15, 20, 25, 30, 50, 100
15,00	21,30	2,65	12,00	36	0,18	15, 25, 50
19,00	25,40	3,20	9,00	27	0,27	10, 25, 50, 100
25,00	32,80	3,90	7,00	21	0,43	25

SMARTFLEX SMT Comfort – Yellow Edition

5-layer Soft-PVC hose for gardening and irrigation with advanced anti-torsion mesh

Applications	Gardening and irrigation, for professional gardeners and agriculture
Structure	5-layer Soft-PVC hose with polyester fabric, yellow with green and silver stripes
Temperature Resistance	– 15° C up to + 65° C

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Five matched layers for excellent handling, 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

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Working Pressure bar	Bursting Pressure bar	Weight kg/m	Standard Lengths m
12,50	17,40	2,45	14,00	42	0,14	10, 15, 20, 25, 30, 50
15	21,30	2,65	12,00	36	0,18	15, 25, 50
19	25,40	3,20	9,00	27	0,27	25, 100
25	32,80	3,90	7,00	21	0,43	25, 50, 100

Alternative sizes, imprints and colours can be supplied on request | For further technical information please refer to Hose Guidelines

SMARTFLEX SMT Premium

5-layer Soft-PVC hose for gardening and irrigation with advanced anti-torsion mesh

Applications	Gardening and irrigation, for professional gardeners and agriculture
Structure	5-layer Soft-PVC hose with Polyester fabric, grey with green stripes
Temperature Resistance	– 20° C up to + 65° C

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Five matched layers with Soft-Toch surface for excellent handling, 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

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Working Pressure bar	Bursting Pressure bar	Weight kg/m	Standard Lengths m
12,5	17,70	2,60	14,00	42	0,15	10, 15, 20, 25, 30, 50
15	20,80	2,90	12,00	36	0,20	15, 25, 50
19	26,00	3,50	9,00	27	0,30	25, 50, 100
25	33,20	4,10	7,00	21	0,46	25

APDatec Classic 80

Multi-layer garden hose made of Soft-PVC

Applications	Gardening, irrigation or in construction
Structure	Soft-PVC with Polyester fabric, yellow with green stripes
Temperature Resistance	– 20° C up to + 65° C

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Multi-layer PVC garden hose, phthalate-free, excellent handling, high flexibility, algae and UV protection

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Bursting Pressure bar	Weight kg/m	StandardLengths m
12,50	17,10	2,30	55	10	30	0,13	10, 15, 20, 25, 25, 30, 50
19,00	24,40	2,70	100	8	24	0,27	20, 25, 50
25,00	33,00	3,50	220	6	18	0,46	25, 50
32,00	39,00	3,50	200	6	18	0,57	25
38,00	46,00	4,00	240	6	18	0,83	25

Alternative sizes, lengths and colours can be supplied on request | For further technical information please refer to Hose Guidelines

APDatec 818 – KTW

Highly flexible hose for applications with portable water made from special PE reinforced with yarn, certified according to KTW and W270

Applications	For the transport of portable water for catering, food trucks or similar applications
Structure	Polyethylene, blue with reinforced polyester fabric
Temperature Resistance	– 20° C up to + 80° C

food-grade | microbe-resistant | hydrolysis-resistant | inside smoothness

Properties: In accordance with W270, the hose avoids formation and growth of unhealthy microbes in portable water, the whole contruction is certified for the contact with portable water, therefore the hose is usable in barrels, no abrasion of the imprint through embossing

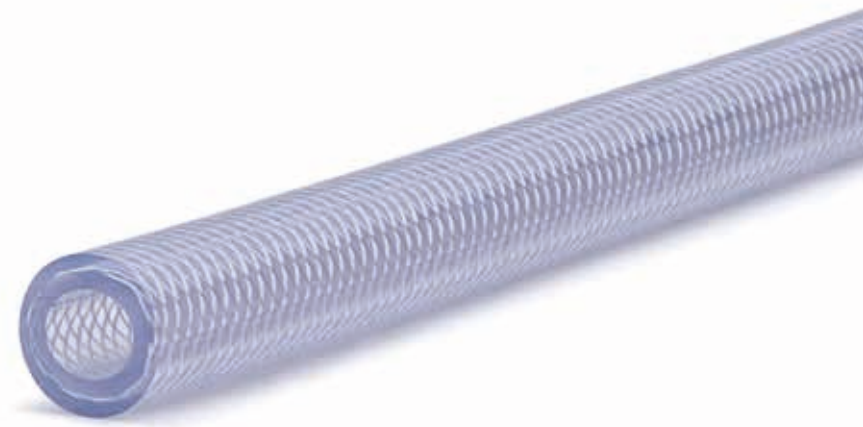
I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Bursting Pressure bar	Weight kg/m	Standard Lengths m
13	19	3,00	70	10	30	0,13	25, 50
19	26	3,50	130	10	30	0,22	25, 50

Alternative sizes lengths and can be supplied on request | For further technical information please refer to Hose Guidelines

APDatec 81

Multi-layer PVC pressure hose with highly tear-resistant polyester fabric

Applications	For transport of liquid food or air-pressure, in the chemical industry or other industrial applications
Structure	PVC, transparent with Polyester fabric, white
Temperature Resistance	– 20° C up to + 65° C
Optional	Food approved version for food simulant A, B and C



food-grade | microbe-resistant | hydrolysis-resistant | inside smoothness

Properties: Multi-layer PVC pressure hose with highly tear-resistant polyester fabric, flexible, phthalate-free and protected from weather influences, approved for 20 % alcohol content and food approved according to EC regulation no. 1935/2004 and no. 10/2011, FDA standard 21 CFR 177.2600 and 178.2010

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Bursting Pressure bar	Weight kg/m	Standard Lengths m
4	10	3,00	15	28	84	0,08	50
5	11	3,00	18	28	84	0,10	50
6	11	2,50	25	20	60	0,08	50
6	12	3,00	25	25	75	0,11	50
8	14	3,00	30	24	72	0,10	50
9	14	2,50	30	12	36	0,12	50
9	15	3,00	35	22	66	0,14	50
10	16	3,00	40	21	63	0,16	50
12	18	3,00	55	17	51	0,18	50
12	21	4,50	55	17	51	0,30	50
12	18	3,00	70	15	45	0,19	50
13	19	3,00	70	15	45	0,19	50
13	20	3,50	72	16	48	0,23	50
15	21	3,00	75	15	45	0,22	50
16	23	3,50	75	15	45	0,27	50
16	24	4,00	75	15	45	0,32	50
19	25	3,00	125	10	30	0,25	50
19	26	3,50	130	10	30	0,32	50
19	27	4,00	130	11	33	0,37	25
25	33	4,00	200	9	27	0,47	25
25	34	4,50	220	8	24	0,53	25
30	38	4,00	250	7	21	0,54	25
32	42	5,00	310	8	24	0,74	25
38	48	5,00	420	6	18	0,86	25
45	55	5,00	550	4	12	1,00	25
50	60	5,00	650	4	12	1,10	25
50	66	8,00	650	4	12	1,78	25

Alternative sizes, lengths and colours can be supplied on request | For further technical information please refer to Hose Guidelines

APDatec 81C

Multi-layer PVC pressure hose with highly tear-resistant Polyester fabric

Applications	For liquid and gaseous media where different colour codes are required e.g. for small sewage treatment plants
Structure	Soft-PVC, coloured with Polyester fabric, white
Temperature Resistance	– 20° C up to + 65° C
Optional	Food version for food simulant A, B and C

food-grade | microbe-resistant | hydrolysis-resistant | inside smoothness

Properties: Multi-layer PVC pressure hose with highly tear-resistant polyester fabric reinforcement, flexible and phthalate-free, approved for 20 % alcohol content and protected from weather influences, food approved according to EG regulation no. 1935/2004 and no. 10/2011, FDA standard 21 CFR 177.2600 and 178.2010

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Bursting Pressure bar	Weight kg/m	Standard Lengths m
4	10	3,00	15	28	84	0,08	50
5	11	3,00	18	28	84	0,10	50
6	11	2,50	25	20	60	0,08	50
6	12	3,00	25	25	75	0,11	50
8	14	3,00	30	24	72	0,10	50
9	14	2,50	30	12	36	0,12	50
9	15	3,00	35	22	66	0,14	50
10	16	3,00	40	21	63	0,16	50
12	18	3,00	55	17	51	0,18	50
12	21	4,50	55	17	51	0,30	50
12	18	3,00	70	15	45	0,19	50
13	19	3,00	70	15	45	0,19	50
13	20	3,50	72	16	48	0,23	50
15	21	3,00	75	15	45	0,22	50
16	23	3,50	75	15	45	0,27	50
16	24	4,00	75	15	45	0,32	50
19	25	3,00	125	10	30	0,25	50
19	26	3,50	130	10	30	0,32	50
19	27	4,00	130	11	33	0,37	25
25	33	4,00	200	9	27	0,47	25
25	34	4,50	220	8	24	0,53	25
30	38	4,00	250	7	21	0,54	25
32	42	5,00	310	8	24	0,74	25
38	48	5,00	420	6	18	0,86	25
45	55	5,00	550	4	12	1,00	25
50	60	5,00	650	4	12	1,10	25
50	66	8,00	650	4	12	1,78	25

Alternative sizes, imprints and colours can be supplied on request | For further technical information please refer to Hose Guidelines

APDatec 811

Multi-layer, PVC hose with high tensile strength, Polyester fabric, oil resistant

Applications	Light duty PVC-hose for oil-containing substances
Structure	Soft-PVC, transparent with Polyester fabric, white
Temperature Resistance	– 20° C up to + 65° C

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Multi-layer, PVC-hose with high tensile strength Polyester yarn reinforcement, oil resistant, phthalate-free

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Bursting Pressure bar	Weight kg/m	Standard Lengths m
6	12	3,00	25	25	75	0,10	50
9	15	3,00	35	22	66	0,14	50
10	16	3,00	40	21	63	0,16	50
12	21	4,50	55	20	60	0,30	50
13	19	3,00	70	15	45	0,19	50
19	27	4,00	130	11	33	0,37	50
25	34	4,50	220	10	30	0,53	25
32	42	5,00	310	8	24	0,74	25

Alternative sizes,lengths and colours can be supplied on request | For further technical information please refer to Hose Guidelines

APDatec 810

Multi-layer PVC hose with high tensile strength, polyester fabric, oil resistant

Applications	Light duty pressure hose for gas and liquids in diverse industrial areas and agriculture
Structure	Soft-PVC, black with Polyester fabric, white
Temperature Resistance	– 40° C up to + 65° C

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Multi-layer PVC hose with high tensile strength, Polyester yarn reinforcement, oil resistant, phthalate-free

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Working Pressure bar	Bursting Pressure bar	Weight kg/m	Standard Lengths m
6,00	12,40	3,20	20	60	0,12	100
9,00	15,40	3,20	20	60	0,14	100
10,00	16,40	3,20	20	60	0,16	100
13,00	21,00	4,00	20	60	0,26	50
16,00	25,60	4,80	20	60	0,41	50
19,00	28,60	4,80	20	60	0,44	50

APDatec 82

Multi-layer PVC hose with high tensile strength Polyester reinforcement for high pressure applications

Applications	For liquids, gases and pesticides in agriculture and other industries that requires high pressure, ozone and UV resistance
Structure	Soft-PVC, blue with Polyester fabric, white
Temperature Resistance	– 20° up to + 65° C

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Multi-layer PVC hose with high tensile strength Polyester reinforcement, ozone and UV-resistent, protected from the weather, suitable for a variety of chemical substances, phthalate-free

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Working Pressure bar	Bursting Pressure bar	Weight kg/m	Standard Lengths m
9,00	16,00	3,50	40	120	0,17	50
10,00	17,00	3,50	40	120	0,19	50
13,00	21,00	4,00	40	120	0,28	50
16,00	25,60	4,80	40	120	0,38	50
19,00	28,60	4,80	40	120	0,44	50
25,00	35,00	5,00	40	120	0,58	25
25,00	35,00	5,00	40	120	0,58	50

Alternative sizes, lengths, imprints and colours can be supplied on request | For further technical information please refer to Hose Guidelines

APDatec 928

Light and flexible multi-layer pressure hose made of Polyester-Polyurethane

Applications	For air-pressure applications, oil, welding gases where PVC is forbidden
Structure	Polyester-Polyurethane,translucent with Polyester fabric, white
Temperature Resistance	– 40° C up to + 80° C

abrasion-resistant

inside smoothness

Properties: Multi-layer flexible Polyurethane hose with high tensile strengths, Polyester yarn reinforcement, smooth soul and blanket, free of halogens, very good resistance to oils and fats, abrasion-resistant and flexible even at very low temperatures

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Working Pressure bar	Bursting Pressure bar	Weight kg/m	Standard Lengths m
13	18	2,80	15	45	0,17	50
16	21	2,50	12	36	0,16	50
19	24	2,50	10	30	0,19	25
25	30	2,50	7	21	0,24	25

OnePressGermany 258

Compressed air hose made of extruded SBR rubber

Applications	Suitable for rough operating conditions for compressed air applications in construction and indutrial applications
Structure	Styrene Butadiene Rubber (SBR), yellow with blue stripe, with polyester fabric, white
Temperature Resistance	– 20° C up to + 100° C
Optional	With fully integrated Euro couplings and safty collar

microbe-resistant | hydrolysis-resistant | abrasion-resistant | inside smoothness

Properties: Flexible and robust compressed air hose with highly tear-resistant fabric, smooth core and cover for easy connection or pressing, resistant against mineral oil containing compressed air, kink and abrasion-resistant, weather-resistant

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Bursting Pressure bar	Weight kg/m	StandardLengths m
19	31	6,00	240	20	60	0,65	20, 40
25	39	7,00	300	20	60	1,10	20, 40

Alternative sizes, lengths, imprints and colours can be supplied on request | For further technical information please refer to Hose Guidelines

Tigerflex PLUS

Higly flexible water hose made of EPDM rubber

Applications	For use in the building construction and civil engineering, industry, landscaping and horticulture as well as agriculture and many other areas
Structure	EPDM, black with four yellow stripes with Polyester fabric, white
Temperature Resistance	– 40° C up to + 100° C

microbe-resistant | hydrolysis-resistant | abrasion-resistant | inside smoothness

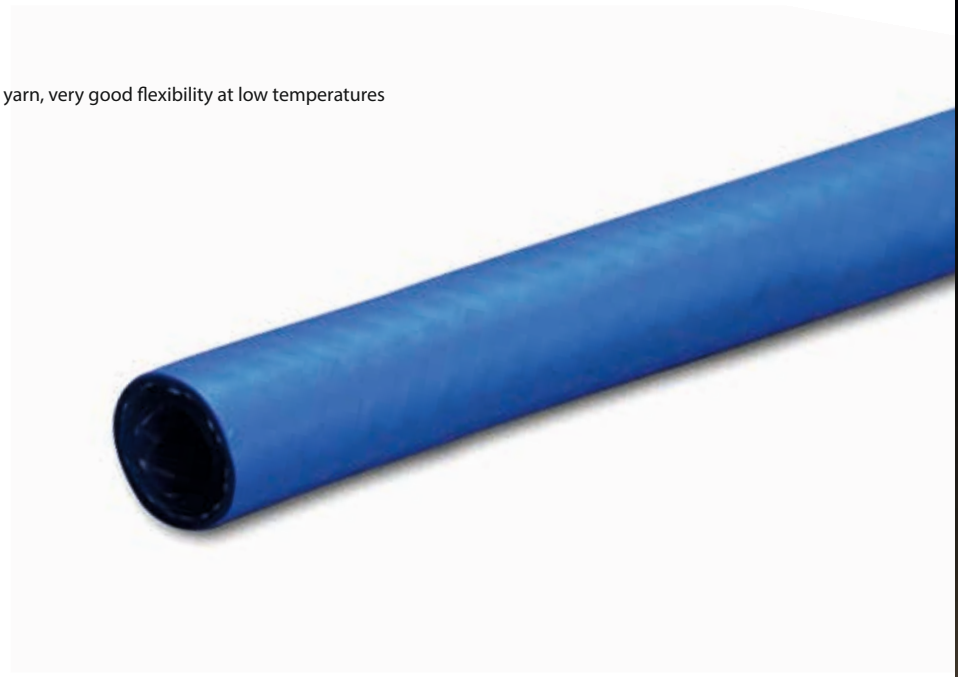
Properties: Highly flexible and robust EPDM rubber hose with Polyester yarn reinforcement, resistant to ozone and UV, ideal for cleaning and irrigation, filling, spraying, rinsing end emptying

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Working Pressure bar	Bursting Pressure bar	Weight kg/m	Standard Lengths m
13,00	20,60	3,80	20	60	0,25	10, 15, 20, 40
19,00	28,00	4,50	20	60	0,42	5, 10, 15, 20, 40

APDatec 815

Multi-layer PVC/Buna hose with high tensile strength, Polyester yarn, very good flexibility at low temperatures

Applications	For air-pressure applications and many liquid substances in very cold conditions, also for Adblue-dispenser, ozone and UV-resistant
Structure	PVC / Buna compound, blue with Polyester fabric, white
Temperature Resistance	– 40° C up to + 65° C



microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Multi-layer PVC / Buna hose with high tensile strength Polyester yarn reinforcement, remains flexible even at very cold temperatures, resistant to ozone and UV and protected from the weather, suitable for a variety of chemical substances

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Bursting Pressure bar	Weight kg/m	Standard Lengths m
6	12	3,00	25	20	60	0,11	100
9	15	3,00	35	15	45	0,14	100
13	20	3,50	60	10	30	0,23	50

Alternative sizes, lengths, imprints and colours can be supplied on request | For further technical information please refer to Hose Guidelines

Layflat Hoses

Layflat hoses are primarily made for water supply. They are especially found in agriculture and in the construction industry for water supply, in horticulture for irrigation, as a flexible for grain, gravel, sand and concrete as well as cover hose for safety belts and ropes.

OneFlat 18

Light weight flat construction hose with PVC core and woven Polyester fabric cover

Applications	For pumping of water, as protecti-on hose for e.g. hydraulic hoses in the construction industries
Structure	Soft-PVC, white with woven Polyester fabric, white
Temperature Resistance	– 20° C up to + 65° C

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Light weight flat construction hose with woven Polyester yarn jacket and PVC inliner

I.D. Ø mm	Weight kg/m	Working Pressure bar	Bursting Pressure bar	Standard Lengths m
51	0,20	10	30	20
51	0,20	10	30	100
76	0,29	10	30	20
76	0,29	10	30	100
102	0,42	7	21	20
102	0,42	7	21	100

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

OneFlat 18A

Light weight flat construction hose with PVC core and woven Polyester fabric cover, fully assembled with Storz-couplings

Applications	For pumping water in case of flooding, in construction sites
Structure	Soft-PVC, white with woven Polyester fabric, white
Temperature Resistance	– 20° C up to + 65° C

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Light weight flat construction hose with woven Polyester yarn jacket and PVC inliner, fully assembled with Storz-couplings

I.D. Ø mm	Working Pressure bar	Bursting Pressure bar	Weight kg / per item	Standard Lengths m	Couplings Types and Diameters
25	8	24	0,70	5	Storz type D = 26 mm
25	10	30	1,10	10	
25	10	30	1,60	15	
25	10	30	2,00	20	
25	10	30	2,50	25	
25	10	30	2,90	30	
51	8	24	1,60	5	Storz type C = 51 mm
51	10	30	2,60	10	
51	10	30	3,60	15	
51	10	30	4,60	20	
51	10	30	5,60	25	
51	10	30	6,60	30	
76	8	24	2,50	5	Storz type B = 76 mm
76	10	30	4,50	10	
76	10	30	6,10	15	
76	10	30	7,70	20	
76	10	30	9,30	25	
76	10	30	10,90	30	
102	7	21	5,10	5	Storz type A = 102 mm
102	7	21	7,50	10	
102	7	21	9,30	15	
102	7	21	11,90	20	
102	7	21	13,50	25	
102	7	21	15,60	30	

OneFlat Premium 188

High quality flat construction hose with EPDM rubber core and Polyester fabric cover, fully assembled with Storz-couplings

Applications	For pumping water in case of flooding or on construction sites
Structure	EPDM, white with Polyester fabric, white
Temperature Resistance	– 20° C up to + 65° C

microbe-resistant

hydrolysis-resistant

abrasion-resistant

inside smoothness

Properties: High quality flat construction hose with EPDM rubber core and Polyester fabric cover, fully assembled with Storz-couplings, wire protected by rubber-sleeve

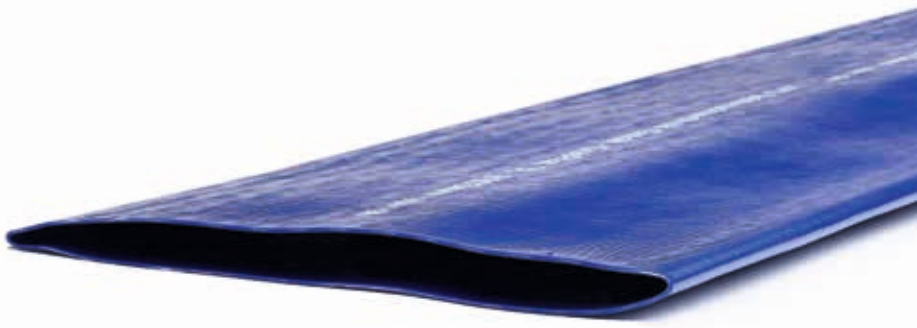
I.D. Ø mm	Working Pressure bar	Bursting Pressure bar	Weight kg/per item	Standard Lengths m	Couplings Types and Diameters
51	14	40	5,30	20	Storz type C = 51 mm
76	14	40	8,40	20	Storz type B = 76 mm
102	14	40	13,30	20	Storz type A = 102 mm

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

OneFlat SL

Very light weight flat construction hose with two layers of PVC and Polyester

Applications	For pumping water under low pressure, or as a protective hose for bundling hydraulic hoses, as a concrete silo drain hose
Structure	Soft-PVC, blue with Polyester fabric, white
Temperature Resistance	– 20° C up to + 65° C



microbe-resistant

hydrolysis-resistant

inside smoothness

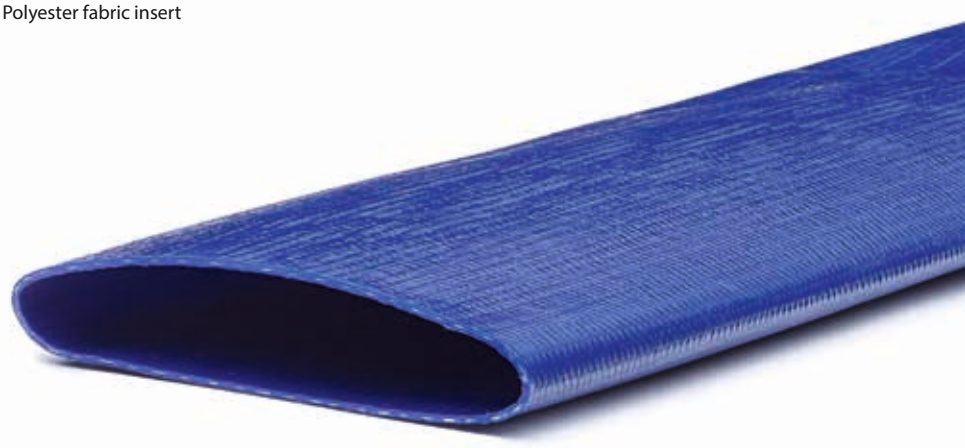
Properties: Very light weight flat construction hose made of PVC with Polyester fabric insert, two layers, very robust and resistant

I.D. Ø mm	Working Pressure bar	Bursting Pressure bar	Weight kg/m	Standard Lengths m
152	4	10	0,90	50
203	3	8	1,60	50

OneFlat L

Light weight flat construction hose with two layers of PVC and Polyester fabric insert

Applications	For pumping water under low pressure
Structure	Soft-PVC, blue with Polyester fabric, white
Temperature Resistance	– 20° C up to + 65° C



microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Light weight flat construction hose made of PVC and Polyester fabric, two layers

I.D. Ø mm	Working Pressure bar	Bursting Pressure bar	Weight kg/m	Standard Lengths m
32	4	12	0,17	50
38	4	12	0,21	50
50	4	12	0,28	100

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

OneFlat M

Medium weight flat construction hose with two layers of PVC and Polyester fabric insert

Applications	For pumping water under high pressure
Structure	Soft-PVC, blue with Polyester fabric, white
Temperature Resistance	– 20° C up to + 65° C

microbe-resistant

hydrolysis-resistant

inside smoothness

Properties: Medium weight flat construction hose made of PVC and with Polyester fabric insert, two layers

I.D. Ø mm	Working Pressure bar	Bursting Pressure bar	Weight kg/m	Standard Lengths m
19	8	24	0,17	50
25	8	24	0,22	50
32	8	24	0,24	50
38	8	24	0,29	50
51	8	24	0,36	50
63	8	24	0,52	50
76	8	24	0,66	50
90	8	24	0,86	50
102	6	18	0,80	50
110	6	18	1,15	50
125	6	18	1,20	50
152	4	12	1,25	50
203	4	12	2,00	100

Agroflat

Excellent resistant flat hose, made of NBR rubber, vulcanized on a woven Polyester jacket

Applications	Discharge for high pressure, irrigation systems delivery in agriculture, construction, civil and industrial works, protection for tubing and cables
Structure	NBR rubber, black vulcanized on a woven Polyester jacket, white
Temperature Resistance	– 30° C up to + 80° C

microbe-resistant | hydrolysis-resistant | abrasion-resistant | inside smoothness

Properties: Excellent resistance to abrasion, highly resistant to oil, gasoline and a wide range of chemicals, very resistant to both contact and radiant heat

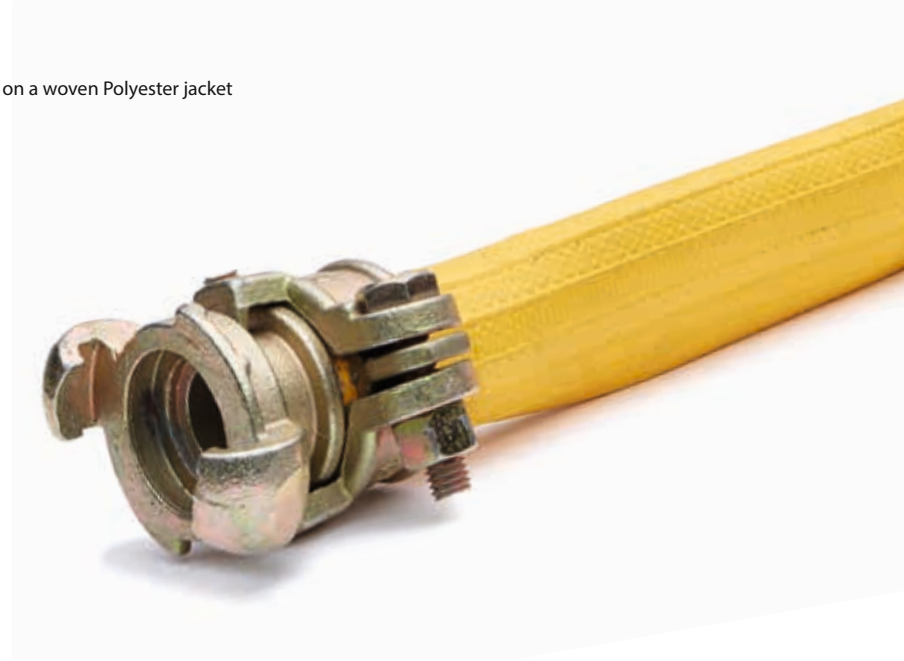
I.D. Ø mm	Wall Thickness mm	Working Pressure bar	Bursting Pressure bar	Weight kg/m
20	2,20	30	90	0,23
22	2,20	30	90	0,24
25	2,10	30	90	0,25
32	2,10	25	80	0,31
38	2,10	20	62	0,35
42	2,10	20	62	0,40
45	2,10	20	62	0,41
52	2,10	20	60	0,46
55	2,10	20	52	0,47
64	2,20	17	52	0,60
70	2,20	17	50	0,68
75	2,20	17	50	0,79
80	2,40	17	50	0,81
90	2,40	17	50	0,93
102	2,50	17	50	1,03
110	2,50	15	45	1,16
115	2,60	15	45	1,18
125	2,70	15	45	1,40
152	2,70	15	45	1,65
204	3,80	12	35	3,10
254	4,00	10	30	4,00
304	4,00	10	25	4,70

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

OneFlat Air Yellow

Excellent resistant flat hose, made with NBR rubber vulcanized on a woven Polyester jacket

Applications	For use in construction and compressor rentals
Structure	NBR rubber, yellow vulcanized on a woven Polyester jacket, white
Temperature Resistance	– 35° C up to + 80° C
Optional	OneFlat Air Black



microbe-resistant | hydrolysis-resistant | abrasion-resistant | inside smoothness

Properties: Light rubber compressed air hose, abrasion-resistant and weatherproof

I.D. Ø mm	Working Pressure bar	Bursting Pressure bar	Weight kg/m	Standard Lengths m
152	4	10	0,90	50
203	3	8	1,60	50

Connections and Accessories

Many applications and customers require special solutions like gastight, customized, and pre-fitted connectors as well as hose assemblies. Based on sophisticated skills in integrated connecting and fitting technology, Schauenburg Hose Technology Group offers a wide range of connections, accessories and functional hose assemblies, which can be used in various applications.

APDatec 35

Protection-spiral made of hard TPE

Applications	Protection against abrasion, bundling of cables, hydraulic hoses and other sensitive hoses
Structure	TPE, black
Temperature Resistance	– 20° C up to + 85° C

abrasion-resistant

Properties: Protection-spiral made from hard TPE, flexible and very resistant to physical influences from outside

I.D. Ø mm	O.D. Ø mm	Wall Thickness mm	Weight kg/m	Standard Lengths m
6,35	9,35	1,50	0,03	12
7,50	10,50	1,50	0,03	12
9,50	12,50	1,50	0,04	12
12,70	16,30	1,80	0,08	12
16,00	19,60	1,80	0,10	12
19,00	23,80	2,40	0,13	12
25,40	30,20	2,40	0,18	12
28,00	32,80	2,40	0,21	12
35,00	40,00	2,50	0,28	12
45,00	52,00	3,50	0,43	12
47,50	55,50	4,00	0,83	12
65,00	78,00	6,50	1,11	12
80,00	93,00	6,50	1,80	12
90,00	103,00	6,50	2,05	12
100,00	113,00	6,50	2,25	12

APDatec 36

Protection-hose from a high tensile strengths Polyester fabric

Applications	Chafe protection of hydraulic-hoses and protection from high-pressure-oil
Structure	Polyamide fabric, black
Temperature Resistance	– 20° C up to + 85° C

Properties: Protection-hose from a high tensile strengths Polyester fabric, flexible and very resistant to physical influences from outside

I.D. Ø mm	Weight kg/m	Standard Lengths m
17	0,03	50
20	0,04	50
23	0,05	50
25	0,05	50
27	0,05	50
31	0,06	50
33	0,06	50
36	0,06	50
40	0,08	50
44	0,08	50
47	0,09	50
53	0,10	50
55	0,10	50
60	0,11	50
66	0,12	50
73	0,13	50
93	0,17	50
112	0,20	50
127	0,35	50

Alternative sizes and colours can be supplied on request | For further technical information please refer to Hose Guidelines

APDatec 37

Protection hose from silicon-coated glass-fibre

Applications	Ideal for protection of hoses in foundries, glass-works, steel-works and in all places where high temperatures in the enviroment and glow splashs can destroy hoses
Structure	Silicone glass, red
Temperature Resistance	– 56° C up to + 260° C

high temperature

Properties: Light weight flat construction hose with PVC core and cover. flexible and very resistant to physical influences from outside, very heat resistant

I.D. Ø mm	Standard Lengths m
8	15
10	15
13	15
16	15
19	15
22	15
25	15
29	15
32	15
35	15
38	15
41	15
44	15
51	15
57	15
64	15
70	15
76	15

Cuffs and Connectors

In addition to hoses, we offer an extensive range of connecting parts and elements
From standard screwed-on or over-moulded cuffs to countless customized solutions

Screw Cuff with Lid and Strip

Standard Grip Cuff

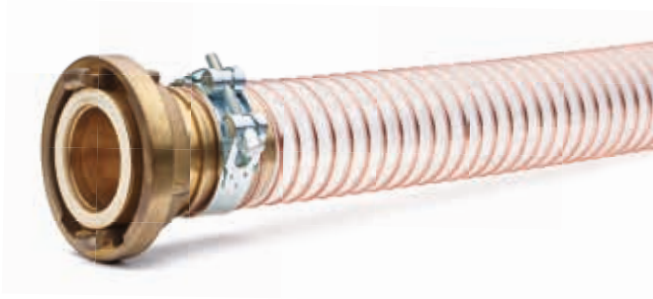
Screw Cuff

Coupling

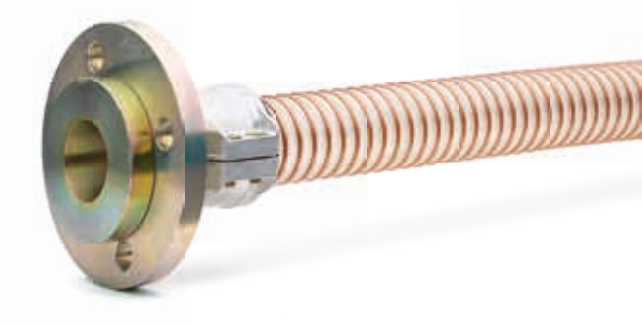
Professional Connection Parts

In various metal materials like aluminium, brass, stainless steel or plastics like PP or TPU

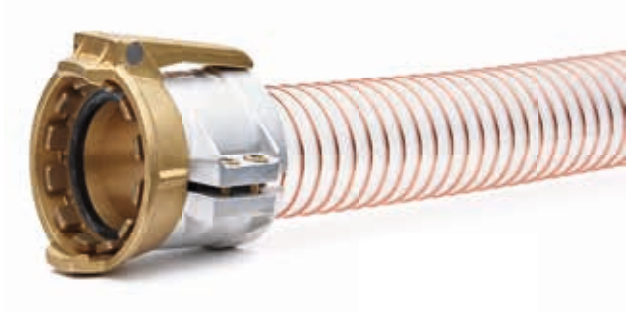
Storz Couplings



Flanges (Fixed or Loose)



Tank Truck Couplings



Kamlok Couplings

Casted Cuffs (Screwable or Cast-on)

Cuffs for Special Requirements

We offer a variaty of cuffs for any application

Extended Cylindric Cuff with Clamp Section

Extented Angle Cuff with Inside Conical Fit

Straight Cuff with Outside Conical Fit

Straight Cuff with Sealed Cap

Flow Control Cuff with Cap

Customised Cuffs

We have the right solution for your needs

Straight Cuff with DIN Thread

Customised Cuff with Sealing Lip

Customised Cuff with Quick Connector Cuff

Customised Cuff with Inside Conical Fit and Clamp Section

Clamps – the Right Connection

For every hose and hose line, we have the right clamp. Always a perfect fit

Bridge Clamp

Bridge Clamp
with Quick Release Lock

Hose Clamp with Worm Drive

Wire Hose Clamp

Hinge Bolt Clamp

Accessories and Fittings

We offer an extended range of brass and stainless steel fittings and professional equipment

Professional Brass Fittings and Accessories

Hose Connector and Hose Reducer

IBC Connections for Irrigation and Construction

Professional Garden Equipment Made of Stainless Steel

Special Connections and Accessories in a Wide Range of Application Areas

Hose Guidelines

General

Hoses of Schauenburg Hose Technology Group are designed for the conveying of dry, gaseous and liquid media. The user is obliged to use our products only on the basis of our stated specifications. All our technical data are the result of internal tests and trials in accordance with international standards. They only serve as a guide and refer to a fluid and ambient temperature of +23° C, static pressure and vacuum loads and straight hose lines with a length according to the corresponding test standard. The specified values do not apply with deviating temperatures, pulsating pressure, vacuum load, vibration of the hose pipe or the connection sides, heavily curved hoses or improperly attached hoses. In these cases, the suitability for use must be verified by the user. If there is no experience in using our products, we strongly recommend prior testing or consultation with our technicians. This is especially important at operating conditions with mutual loads (movements), high temperatures, vibration, abrasion, water vapor, chemical loads or S-shaped hose linings. The application examples provided by us are not binding.
To achieve a long service life, the following should be noted for selection and use. Choise of products according to the maximum operating pressure given in the catalogue. The hose should never be deformed by force (e.g. kinking, crushing, running over with vehicles, twisting, etc.). Dragging hose pipe over rough floors and sharp edges needs to be avoided. The hose should not be permanently bent at the couplings or subjected to excessive tensile stress. Contact of unprotected hose ends with the flow media should be avoided. Emptying and careful cleaning may significantly extend the life of a hose pipe.

Storage of Thermoplastic Hoses

The storage area must be cool, ventilated and sufficiently dry. High ambient temperatures above +45° C without any airflow can permanently deform thermoplastic hoses. Please note that such temperatures may arise in direct sunlight, even when hoses are packaged. The permanent stack height must be adapted to the respective product and ambient temperature. Hose coils/lengths, which are loaded with a higher weight under summer temperatures, may be deformed. It is important to ensure that the hoses are stored free of tension, so without strain, pressure or other stresses, since tension encourages both permanent deformation and cracking. For outdoor storage, thermoplastic hoses must not be exposed to direct sunlight. The packaging must not be airtight. Depending on the product, thermoplastic hoses must be protected from permanent UV and ozone radiation.

Transport of Thermoplastic Hoses

Because of the constant movement, transport leads to much greater mechanical stress for thermoplastic hoses than those which arise during storage. High outdoor temperatures, the heat accumulation in the truck/container and constant vibrations during the journey can quickly lead to permanent deformation of the hoses. Therefore, at high temperatures, the stack height during transport must be less than it is during storage. During transport, thermoplastic hoses may not be thrown, dragged along the floor, run over or stepped on. This could result in damage to the outer layer and deformation of the spiral reinforcement. We assume no liability for this. Therefore, care must be taken to ensure that no damage is caused by improper handling.

Temperature Behavior of Thermoplastic Hoses

Unlike rubber hoses, the cold and heat have a great influence on thermoplastic hoses. Plastic hoses change their flexibility at low or high temperatures of the media or the environment. At lower temperatures, they can harden until they become brittle. At higher temperatures they can become malleable. Because of these properties, the pressure and vacuum specifications for thermoplastic tubes are exclusively linked to a temperature of the media and the environment of around +23° C. If temperatures deviate from the media or environment, we cannot guarantee compliance with the indicated technical characteristics.

Influence of Sunlight on Thermoplastic Hoses

The UV radiation from the sun can attack the material and destroy the hose over time. This happens in connection with the duration and intensity of solar radiation, which is usually lower in the Northern regions than in Southern regions. Therefore, a precise time period cannot be given. The embrittlement of thermoplastic hoses by UV radiation can be slowed down, but not completely stopped, by adding special UV stabilizers. These stabilizers also wear with continuous UV irradiation. Some of our hose types are fitted with these UV stabilizers as a standard to ensure a long shelf life under direct sunlight. On request, any type of hose can be fitted under certain conditions with UV stabilizers.

Pressure and Vacuum Behavior of Hoses

Genuine pressure hoses are all types which have a yarn reinforcement as a pressure carrier. All hoses can change their length and diameter and become twisted even within the specified pressure and vacuum values. For hoses with yarn reinforcement as a pressure carrier, changes of up to 5% in length and girth is normal, even under laboratory conditions. Therefore, all operating conditions which deviate from the norm influence the behavior of these products even more. All hoses which have a spiral reinforcement without any polyester yarn reinforcement are only suitable as pressure hoses to a very limited extent, and are mainly intended for vacuum applications. By design, a change in length of these hose type of up to 30 % during use, even within the specified pressure and vacuum value, is always possible. All possible length and girth changes, as well as axial twisting of hoses must be considered by the user during use. In use conditions, hoses must not be fixed at short distances as pipes are, but must be able to move freely at all times. In soil, hoses may only be laid in adequately dimensioned conduits. In doing so, all possible changes in the hose geometry need also to be taken into account at all times. We strongly recommend that you determine the hose behavior in use by means of prior testing and then carry out the installation. With spiral reinforced hoses, the elongation and twisting in the case of overpressure leads to a reduction of the inner diameter at the same time. For hoses with steel spiral reinforcement, the spiral cannot completely follow this reduction of the inner diameter. Thus, the spiral can work through the hose wall to the outside and destroy the hose. With permanent use in the overpressure range, we generally recommend hoses with yarn reinforcement as the actual pressure carrier. This prevents excessive elongation.

Based on DIN EN ISO 1402.-7.3, the values given for the burst pressure with compressed air and pneumatic hoses were determined at about 23° C and water as a pressure medium.

Using Hose Couplings
In suction applications, plastic spiral hoses can be integrated with a variety of commercially available fittings. In the application, the hose sucks firmly onto the fitting and seals itself off. In pressure applications, spiral hoses are much more complex and are to be permanently sealed due to the strain and change in diameter. Our fittings, which are customized to the particular type of hose, are ideally suited to this. When using standard fittings, please ask for our respective procedures recommendations. With PVC yarn reinforced and monoextruded hoses, make sure that the material has a significantly lower notch toughness compared to rubber. Therefore, fittings may not have any sharp edges that can rip when assembling the inner layer. If the thermoplastic yarn reinforced hoses are fixed to a hose connector by means of press sleeves or hose clamps, make sure that the pressure is applied with the least possible force. Otherwise, the hose layers can be cut through the fitting or the hose clamp, whereby the hose becomes immediately unusable. For safety reasons, we recommend hose connectors with lower gearing than the thickness of the hose inner layer. Basically, it should be ensured that, when using fittings, all kinds of hoses are not bent sharply right behind the fitting.

REACH and RoHS Compliance
The Schauenburg Hose Technology production companies as being converters of raw materials made by third parties closely monitor and request their suppliers to comply with and update on any eventual changes under REACH and ROHS Regulations.

Phatalate-free
All our hoses are free of ortho-phtalates.

Discharge Capability of Hoses
All hoses where discharge capability is required must be grounded.

A. Hoses with a standard extruded thermoplastic material wall (PVC, TPU, TPO): Hoses made of standard thermoplastics, which are neither conductive nor dissipative, can in principle dissipate elec trostatic charges that arise during the transport of powdery or granular media. However, this requires that the hoses are equipped with a copper braid and / or a steel or copper wire helix. In addition, depending on the material to be conveyed, further design specifications for the hose must be observed. It is the responsibility of the user to assess the suitability of the hoses and to comply with all provisions specified in TRGS 727. These hoses are only suitable for aspiration.

B. Hoses with an antistatic wall (specific resistance $R \leq 10^8$ Ohm) with a copper wire mesh and or steel or copper wire helix: These hoses are suitable for the pneumatic transport of flammable bulk materials if certain structural conditions have been observed. A classic example of this is the hose referred to in TRGS 727 as the "Stützwendelschlauch". It is the responsibility of the user to assess the suitability of the hoses and to comply with all provisions specified in TRGS 727.

C. Hoses with an electrically conductive wall with and without a copper wire mesh and or steel or copper wire helix (specific resistance $R \leq 10^4$ Ohm) Also these hoses are suitable for pneumatic transport of flammable bulk materials. For these hoses it is not necessary to use a steel wire or mesh. For hoses without a steel spiral or mesh, length restrictions apply depending on the conductivity of the wall. It is the responsibility of the user to assess the suitability of the hoses and to comply with all provisions specified in TRGS 727.

ATEX Guideline
For the ATEX guideline it is not necessary if the hose is electrically conductive or dissipative, it has to meet the requirements of the TRGS 727.
ATEX approval can only be made for equipment (machines) or components, but spiral hoses are no „equipment" nor „components" in terms of the ATEX directive 2014/34/EU. To be an equipment or component concerning the ATEX directive the equipment or components must have an "autonomic function" like a motor. As hoses do not haven an "autonomic function" ATEX approval is not possible.
However, if the hose meets the specifications according to TRGS 727 it is suitable for the use at e.g. a machine which is ATEX certified.

Food Grade Quality of Hoses
Within the European Union, Food Contact Materials (FCMs) are regulated by the framework Regulation (EC) No 1935/2004, which establishes general safety requirements for the manufacturing, procession and distribution of all possible FCMs and a number of secondary legal acts laying down specific safety requirements ('specific measures') for individual FCMs. Plastics are subject to specific safety requirements as mentioned in EU regulation 10/2011. Under Regulation (EC) No 1935 /2004, we ensure:

1. Good manufacturing process: All our production facilities implement and adhere to quality assurance and quality control systems with a number of organized and documented arrangements in terms of material compliance and traceability.
2. Organoleptic tests are executed in order to ensure that the Food Grade products do not release their constituents into food, at levels harmful to human health, or change food composition, taste or odor.
3. Traceability of materials and sufficient labeling is implemented on the articles and/or packaging according to the specifics of each product.
4. All Food Grade products comply with EU Regulation 10/2011: The European Regulation EU 10/2011 makes a difference in Appendix 3 on page 75 between the 6 different categories A, B, C, D1, D2 and E, according to which a foodstuff commodity (hose) can be tested. The test for a particular category is carried out using a simulant, and must be run on the finished component (hose). The continued common practice of many manufacturers to merely confirm that the hose is suitable for foodstuffs is not permitted. In the Regulation, each food is mostly assigned to one or a combination of simulants (category). The food categories, for which our products are approved, are designated by printing on the hose. We publish specific information on the contact time and possible exclusions in our Declarations of Conformity, which are available at all times. When choosing one of our products, it is the responsibility of the user or the customer to check that it is approved for the intended food

and the contact time. Regulation 10/2011 can be viewed on the internet at *eur-lex.europa.eu/LexUriServ/LexUriServ.do* at any time. Of course, we are also happy to advise you.
FDA: Products mentioning an FDA Compliance are made with materials that are permitted under FDA 21 CFR 177.2600 and 178.2010. If an end product testing is required this will have to be undertaken by the user.
Other Regional or Country Food Contact Regulations: In the event that country specific regulations need to be observed we recommend that a testing with the relative institutes is executed prior to using our hoses.

Fire Resistance Compliance
Hoses indicated as Fire resistant, follow the tests and classifications of the materials used in the production of those hoses. As there are several norms available regarding fire resistance, performance and testing, users should be aware that a compliance under one norm does not ensure similar compliance under a different norm. Please feel free to contact us when you are in doubt.

Dimensions
With hoses, reference is generally made to the inner diameter with the exception of some drinking water and garden hoses. Where appropriate, we also indicate the wall thickness for the sake of completeness, however the wall thickness will not necessarily define the outer diameter as this is influenced also by the hose structure.

Weight
Weight references in the data sheet are for indication purposes only and they are not contractual. We reserve the right to modify the weights according to our production conditions, as long as the product maintains its original performance in terms of vacuum resistance, working and bursting pressure, bending radius or other performance information mentioned on the product pages.

Burst Pressure
The burst pressure is the pressure under which a hose will become destroyed due to the pressure. The test is always run in line with the international standard DIN EN ISO 1402 or DIN 26057 according to the hose type. The burst pressure is used to define the operating pressure taking account of the general safety factors.

Operating Pressure
The operating pressure is always determined in line with the international standard according to the application and the type of hose used:
- DIN EN ISO 7233 for PVC suction and delivery hoses, and yarn reinforced hoses
- DIN 26057 for spiral hoses made with thermoplastic polyurethane with steel wire reinforcement

Test Pressure
Pressure that is maintained during non-destructive testing and for a specified duration in order to verify the integrity of the hose assembly. Depending on the hose construction, the test pressure is up to 50% above the operating pressure. At test pressure, the hose must not show any leakage or permanent deformation.

Vacuum
Vacuum is the negative pressure that a hose can withstand without resulting in flattening or detachment of the lining or layer separation. The determination is always based on the international standard according to the application and the type of hose used:
- DIN EN ISO 7233 for PVC suction and delivery hoses, and yarn reinforced hoses
- DIN 26057 for spiral hoses made with thermoplastic polyurethane with steel wire reinforcement

Bending Radius
The bending radius of a hose is defined as the radius of the smallest drum around which the hose can be laid without the cross-section becoming significantly changed compared to the original shape. In each case, the test is performed in accordance with the standard which determines the product.

Customized Types
Almost all types of hoses can be optimized to customer requirements for the particular application. Wall thicknesses, dimensions, pressure or vacuum support, colors, lengths and shapes can be already be customized for you. We are happy to answer your questions at any time and assist you in finding the suitable hose for your application.

Chemical Resistance Table

CHEMICAL	PVC	TPE	TPO	TPU	CPR	SI	PA	TPR	PTFE	CSM	Viton
A											
Acetaldehyde	–	–	A	C	C	C	B	A	A	B	C
Acetic acid	C	A	A	C	C	A	C	B	A	A	C
Acetic acid anhydride	C	B	A	C	A	C	–	B	A	A	C
Acetone	C	B	A	C	B	B	A	A	A	B	C
Acetylene	–	A	A	B	B	–	–	A	A	A	A
Aluminium chloride solution	–	B	A	–	A	B	A	A	A	A	A
Aluminium sulphate solution	A	B	A	A	A	A	A	A	A	A	A
Ammonia (anhydrous)	A	–	A	C	A	A	–	B	A	B	C
Ammonium chloride solution	–	A	A	C	A	–	–	A	A	A	A
Ammonium hydroxide solution	–	B	A	–	A	–	–	A	A	A	A
Ammonium sulphate solution	A	A	A	–	A	A	–	A	A	A	A
Amylacetate	–	B	A	C	C	C	–	A	A	C	C
Amylalcohol	C	A	A	C	A	C	–	A	A	A	A
Aniline	C	C	A	C	C	–	B	B	A	B	A
Asphalt	A	B	A	C	B	C	–	C	A	B	A
ASTM Oil No. 1	–	A	–	A	A	B	–	C	A	A	A
ASTM Oil No. 3	–	A	–	B	A	C	–	C	A	B	A
ASTM Reference Fuel A	–	A	–	A	A	–	–	C	A	A	A
ASTM Reference Fuel B	–	A	–	C	C	–	–	C	A	C	A
ASTM Reference Fuel C	–	A	–	C	C	–	–	C	A	C	A
B											
Barium hydroxide	–	B	A	C	A	A	–	A	A	A	A
Beer	–	A	A	A	A	A	–	A	A	A	A
Benzaldehyde	C	–	A	C	C	C	C	B	A	C	C
Benzene	C	A	A	A	B	C	A	B	A	B	A
Benzene chloride	–	–	A	–	C	–	–	C	A	C	B
Benzol	C	B	A	C	C	C	A	C	A	C	B
Borax solution	A	A	A	C	A	–	–	A	A	A	A
Boric acid solution	A	A	A	C	A	A	B	A	A	A	A
Bromine liquid (anhydrous)	C	C	C	C	C	C	–	C	A	B	B
Butane	C	A	–	A	A	–	–	B	A	A	A
Butyl acetate	C	B	A	C	C	C	A	C	A	C	C
Butyraldehyde	–	–	A	C	B	–	–	B	A	B	C
C											
Calcium bisulphite solution	–	–	B	A	A	A	–	B	A	A	A
Calcium chloride solution	A	A	A	C	A	A	A	A	A	A	A
Calcium hydroxide solution	–	B	A	C	A	A	–	A	A	A	A
Calcium hypochlorite solution (20%)	–	–	A	C	B	B	–	A	A	A	B
Calcium hypochlorite solution (5%)	–	A	A	C	B	B	–	A	A	A	A
Carbon dioxide	–	A	A	B	A	A	–	B	A	A	A
Carbon disulphide	C	–	A	C	C	–	A	B	A	C	–
Carbon monoxide	–	A	A	–	A	A	–	C	A	A	–
Carbon tetrachloride	C	B	A	C	C	C	A	C	A	C	–

CHEMICAL	PVC	TPE	TPO	TPU	CPR	SI	PA	TPR	PTFE	CSM	Viton
C											
Caustic potash (see potassium hydroxide)											
Caustic soda (see sodium hydroxide)											
Chlorine gas (dry)	C	C	B	B	B	–	C	C	A	B	A
Chlorine gas (moist)	C	C	B	C	C	–	C	C	A	B	B
Chloroacetic acid	–	C	A	C	A	C	–	A	A	A	C
Chlorobenzene	C	C	A	B	C	C	A	C	A	C	A
Chloroform	C	C	C	C	C	C	C	C	A	C	A
Chlorosulphonic acid	C	C	C	C	C	–	–	C	A	C	C
Chromic acid (10 – 50%)	–	C	B	C	C	C	B	C	A	A	A
Citric acid solution	A	A	A	C	A	A	–	A	A	A	A
Cotton seed oil	–	A	A	A	A	A	–	A	A	A	A
Creosote	–	–	A	–	C	–	–	C	A	C	A
Cupric chloride solution	–	A	–	A	A	A	–	A	A	A	A
Cupric sulphate solution	–	A	–	C	A	A	B	A	A	A	A
Cyclohexane	C	A	A	A	C	C	–	C	A	C	A
D											
Dibutyl phthalate	–	A	A	A	C	–	A	A	A	C	B
Diethyl ether	–	–	A	C	C	–	A	C	A	–	–
Diethyl sebacate	–	A	–	C	C	–	–	B	A	B	B
Dioctyl phthalate	–	A	A	C	C	C	A	B	A	C	B
Dowtherm A	–	–	–	C	B	–	–	C	A	B	A
E											
Epichlorohydrin	–	C	A	C	–	–	–	B	A	B	C
Ethanol	–	A	A	B	A	A	A	A	A	A	A
Ether	–	–	A	C	C	–	A	C	A	–	–
Ethyl alcohol	–	A	A	B	A	A	A	A	A	A	A
Ethyl chloride	–	C	A	B	C	C	–	B	A	C	A
Ethylacetate	C	B	A	C	C	B	A	A	A	B	C
Ethylene dichloride	C	C	A	C	B	B	–	B	A	C	A
Ehtylene glycol	–	A	A	–	A	A	–	A	A	A	A
Ethylene oxide	–	A	A	–	C	–	–	C	A	C	C
Exxon 2380 lubricating oil	–	B	–	–	–	–	–	C	A	–	A
F											
Ferric chloride solution	A	B	A	–	A	A	A	A	A	A	A
Fluorosilicic acid	–	B	A	C	A	C	–	B	A	A	–
Formaldehyde (40%)	C	B	A	C	A	–	A	A	A	A	A
Formic acid	–	B	A	C	A	B	C	A	A	A	C
FREON 11	–	A	A	–	A	C	–	C	A	A	A - B
FREON 12	–	A	A	–	A	C	A	B	A	A	A - B
FREON 22	–	–	A	–	A	C	–	C	A	A	C
FREON 113	–	A	A	–	A	–	–	C	A	A	A
FREON 114	–	A	A	–	A	–	–	C	A	A	B
Furfurol	–	–	A	C	B	–	B	B	A	B	C
Fyrquel 220 (hydraulic fluid)	–	B	–	–	–	–	–	–	A	–	A
G											
Glue	–	A	A	A	A	–	–	A	A	A	A
Glycerine (90%)	A	A	A	C	A	A	A	A	A	A	A
Grease	–	A	A	–	B	C	–	C	A	B	A

CHEMICAL	PVC	TPE	TPO	TPU	CPR	SI	PA	TPR	PTFE	CSM	Viton
H											
n-hexane	C	A	A	A	A	C	A	C	A	A	A
Hydrazine (diamide)	–	C	–	–	–	C	–	A	A	–	C
Hydrochloric acid (20%)	B	B	A	C	A	B	C	B	A	A	A
Hydrochloric acid (37%)	B	C	A	C	A	B	C	A	A	A	A
Hydrofluoric acid (48%)	–	C	A	C	A	–	C	B	A	A	A
Hydrofluoric acid (75%)	–	C	A	C	B	–	C	C	A	A	B
Hydrofluoric acid (anhydrous)	–	C	A	C	B	–	C	C	A	A	A
Hydrogen	–	A	B	C	A	A	–	A	A	A	A
Hydrogen cyanide	–	B	–	–	A	–	–	A	A	A	–
Hydrogen peroxide (90%)	–	–	B	C	B	–	C	B	A	A	A
Hydrogen sulphide	–	A	A	B	A	–	A	A	A	A	–
J											
JP-4	–	A	–	–	C	–	–	C	A	C	A
JP-5	–	–	–	–	C	–	–	C	A	C	A
JP-6	–	–	–	–	C	–	–	C	A	C	A
K											
Kerosene	–	B	A	A	C	C	–	C	A	B	A
J											
Lactic acid	C	B	A	A	A	A	B	A	A	A	A
Linseed oil	–	B	A	B	A	–	–	B	A	A	A
M											
Magnesium chloride solution	B	B	A	C	A	A	A	A	A	A	A
Magnesium hydroxide solution	–	B	A	–	A	–	–	A	A	A	A
Mercuric chloride solution	–	B	–	B	A	A	C	A	A	A	A
Mercury	A	A	A	A	A	A	A	A	A	A	A
Methanol	C	A	A	C	A	A	A	A	A	A	B
Methyl alcohol	C	A	A	C	A	A	A	A	A	A	B
Methylene chloride	C	C	A	C	C	–	B	B	A	C	B
Methylethyl ketone (MEK)	C	A	A	C	C	–	A	A	A	C	C
Mineral oil	C	A	A	B	A	A	A	C	A	A	A
Mobil XRM 206A	–	B	–	–	–	–	–	–	A	–	A
N											
Naphthalene	C	B	A	C	C	C	–	C	A	C	A
Naptha	C	A	A	C	C	C	–	C	A	C	A
Nitric acid (10%)	–	B	A	C	B	B	C	B	A	A	A
Nitric acid (30%)	–	C	A	C	C	B	C	B	A	A	A
Nitric acid (60%)	–	C	C	C	C	C	C	C	A	B	A
Nitric acid (70%)	–	C	C	C	C	C	C	C	A	C	A
Nitric acid (fuming)	–	C	–	C	C	C	C	C	A	C	B
Nitrobenzene	C	C	A	C	C	C	–	A	A	C	B
O											
Iso-octane	C	A	A	B	A	C	–	C	A	A	–
Oleic acid	–	A	A	–	B	–	–	B	A	B	B
Oleum (20 – 25%)	C	C	C	C	C	C	C	C	A	B	A
P											
Palmitic acid	–	A	A	B	B	–	–	B	A	B	A
Perchloroethylene	C	C	A	C	C	B	–	C	A	C	A
Phenol	C	C	A	C	C	C	C	B	A	C	A
Phosphoric acid (20%)	A	–	A	C	A	–	C	A	A	A	A
Phosphoric acid (60%)	A	C	A	C	A	C	C	A	A	A	A

CHEMICAL	PVC	TPE	TPO	TPU	CPR	SI	PA	TPR	PTFE	CSM	Viton
P											
Phosphoric acid (70%)	B	C	A	C	A	C	C	A	A	A	A
Phosphoric acid (85%)	B	C	A	C	A	C	C	A	A	A	A
Pickling solution 17% Nitric acid 4% Hydrofluoric acid	–	C	–	–	C	–	–	C	A	A	A
Pickling solution 20% Nitric acid 4% Hydrofluoric acid	–	C	–	–	C	–	–	C	A	A	A
Picrinic acid	–	B	A	B	A	C	–	B	A	A	A
Potassium dichromate solution	A	B	A	C	A	C	–	A	A	A	–
Potassium hydroxide solution (dilute)	–	A	A	–	A	–	–	A	A	A	–
Iso-propyl alcohol	C	A	A	C	A	A	A	B	A	A	A
Iso-propyl ether	–	–	B	C	C	–	–	C	A	B	C
Pydraul 312C	–	A	–	C	C	–	–	C	A	C	A
Pyridine	C	C	A	C	C	C	A	B	A	C	C
Q											
QFI-2023 (Silicone brake fluid)	–	B	–	–	–	A	–	–	A	–	A
Quick silver (mercury)	A	A	A	A	A	A	A	A	A	A	A
R											
Ricinol (Ricinus oil)	–	B	A	–	A	A	–	B	A	A	A
S											
SAE Oil No. 10	–	A	–	–	C	–	–	C	A	C	A
Sea water	A	A	A	–	A	–	A	A	A	A	A
Shell Turbine Oil 307	–	B	–	–	B	–	–	C	A	B	B
Silicone grease	–	A	A	A	A	C	–	A	A	A	A
Skydrol 500	–	A	–	C	C	B	–	A	A	C	C
Skylube 450	–	–	–	–	–	–	–	–	A	–	C
Soap solution	A	A	A	A	A	A	A	A	A	A	A
Sodium chloride solution	–	A	A	C	A	A	A	A	A	A	A
Sodium dichromate (20%)	C	B	A	–	B	–	–	A	A	A	A
Sodium hydroxide (20%)	–	A	A	–	A	B	–	A	A	A	A
Sodium hydroxide (46.5%)	–	B	A	–	A	B	–	A	A	A	A
Sodium hydroxide (50%)	–	–	A	–	A	B	–	A	A	A	C
Sodium hydroxide (73%)	–	A	A	–	A	B	–	A	A	A	C
Sodium hypochlorite (5%)	A	A	B	C	A	B	–	A	A	A	A
Sodium hypochlorite (20%)	B	B	B	C	B	B	–	A	A	A	B
Sodium peroxide solution	–	A	C	–	A	C	–	A	A	A	A
Soya bean oil	C	B	A	–	A	A	–	C	A	A	A
Stannic chloride	A	–	–	C	B	–	–	–	A	B	A
Stannic chloride (15%)	A	B	–	C	A	–	–	B	A	A	A
Steam	–	B	–	C	A	C	–	A	A	A	B
Stearic acid	A	B	A	A	B	A	–	B	A	B	–
Styrene	C	C	A	C	C	C	A	C	A	C	A
Sulphur (molten)	A	B	A	B	A	A	–	A	A	A	A
Sulphur dioxide gas	A	B	A	C	A	A	–	A	A	A	–
Sulphur dioxide liquid	A	B	A	C	A	–	–	A	A	A	–
Sulphur trioxide	–	C	C	C	C	B	–	B	A	C	–
Sulphuric acid (< 5%)	A	A	A	C	A	A	C	A	A	A	A
Sulphuric acid (5 – 10%)	A	B	A	C	A	A	C	A	A	A	A
Sulphuric acid (10 – 50%)	B	C	A	C	A	–	C	B	A	A	A
Sulphuric acid (50 – 80%)	C	C	A	C	B	–	C	C	A	A	A
Sulphuric acid (60%)	C	C	A	C	B	–	C	C	A	A	A
Sulphuric acid (90%)	C	C	C	C	C	–	C	C	A	A	A
Sulphuric acid (95%)	C	C	C	C	C	–	C	C	A	A	A

CHEMICAL	PVC	TPE	TPO	TPU	CPR	SI	PA	TPR	PTFE	CSM	Viton
S											
Sulphuric acid (fuming, 20% oleum)	C	C	C	C	C	C	C	C	A	B	A
Sulphurous acid	–	B	–	–	C	C	–	C	A	A	C
Sunoco XS-820 (EP Grease)	–	B	–	–	–	–	–	C	A	–	A
T											
Tannic acid	–	A	A	A	A	B	–	A	A	A	A
Tartaric acid	–	B	A	–	A	A	–	B	A	A	A
Tetrahydrofuran	C	–	A	C	C	C	A	C	A	C	C
Toluene	C	B	A	C	C	C	A	C	A	C	B
Tributylphosphate	–	–	A	–	C	–	–	C	A	C	C
Trichloroethylene	C	C	C	C	C	B	B	C	A	C	A
Tricresylphosphate	–	–	A	B	C	C	–	A	A	C	A
Triethanolamine	C	C	A	C	A	–	–	A	A	A	C
Trisodium phosphate solution	–	A	–	B	A	A	–	A	A	A	A
Tung oil	–	B	–	–	A	–	–	C	A	A	A
Turpentine	C	–	A	C	C	C	–	C	A	C	A
V											
Varnish	–	B	–	–	C	–	–	C	A	C	C
W											
Water	A	A	A	C	A	A	A	A	A	A	A
X											
Xylene	C	A	A	C	C	C	A	C	A	C	A
Z											
Zinc chloride solution	A	A	A	C	A	–	B	A	A	A	A

Explanation of Abbreviations

PVC	Polyvinyl chloride, soft
TPE	Polyesterelastomere
TPO	Thermoplastic Polyolefin
TPU	Polyurethane (Ether/Ester)
CPR	Cloroprene rubber (Neoprene®)
SI	Silicone rubber
PA	Polyamide
TPR	Thermoplastic rubber (EPDM/PP)
PTFE	Teflon®
CSM	Hypalon (Sulphochloric polyethylene)
Viton®	Fluoric rubber

A	resistant
B	moderately resistant
C	not suitable
–	untested

The information is a guide only and will vary depending on a variety of factors, e.g. the type and strength of chemicals in contact with the duct and varying temperatures and pressures to which it is exposed. The factors may affect the appropriateness and service life of materials in different applications.

The table is to be used only for assistance in identifying a possibly compatible solution and the end user should obtain expert opinion when the ducting is put into use.

Our material experts can assist you with any questions you may have and will find the right hose from the right materials for your application.

Contact Us

Any questions? We are glad to assist you
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More information about us and our products can be found on our website
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VACUFLEX GmbH
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Flexadux International S.à.r.l
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Italy
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Romania
APR Inovaflex S.r.l
Calarasi

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