

# INDUSTRIAL HOSES - ducting and ventilation

## Hoses description

Ducting hoses are very lightweight and flexible, designed to transfer gases, chemical fumes, dust, sawdust, dry and loose or highly abrasive products. Applications where ducting hoses are used usually demand suction (vacuum). However some applications demand pressure transfer e.g. to blow air. Ducting hoses available at TUBES INTERNATIONAL® can be divided into four groups:

### Resistant to abrasion

Lightweight, flexible hoses made of PU, reinforced with steel wire helix, designed to extract and transfer dry and loose materials, dust and sawdust. The abrasive properties of a transferred medium determine the wall thickness of hose that is to be selected from our offer.

Available as an antistatic (AS) or food quality version. Widely used in woodworking, metalworking, plastics, food and many other fields of industry.

### Resistant to high temperature

Highly flexible and lightweight hoses designed to remove fumes, air, exhaust and gases at extremely high temperature. Made of Kevlar fabric or silicone-coated fibreglass fabric and reinforced with steel wire helix.

Widely used in metallurgical, automotive, aircraft and shipbuilding industry.

### Resistant to chemical substances

Lightweight, flexible hoses designed to remove aggressive fumes of chemical substances, solvents and gases. Made of such materials as: polyethylene or PTFE-coated fabric. Reinforced with steel wire helix. The majority of hoses is available as an antistatic or electrically conductive version. Indispensable in chemical and petrochemical industry.

### Special applications

Special hoses for such applications as e.g. blowing of hot and cold air into buildings and tents, removal of welding fumes, hoses for industrial vacuum cleaners or road-sweeping machines.

### Assembly of ducting hoses

Ducting hoses offered by TUBES INTERNATIONAL® can be easily assembled using a system of connectors for ducting hoses and appropriate clamps (see: HOSE CONNECTORS). It is recommended to assemble ducting hoses with BC type (right hand) worm drive bridge hose clamp, except for Clip-type hoses (KEVLAR SI CL, SILICONE CL, TEFLON CL, GRIPFLEX) that require (left hand) bridge clamps.

Example: assembly with BC type worm drive bridge hose clamps



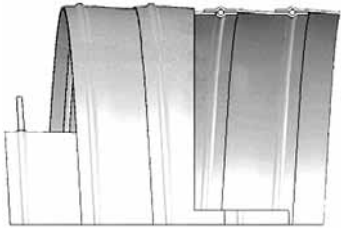
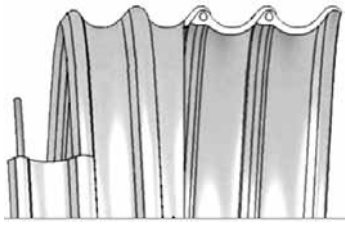
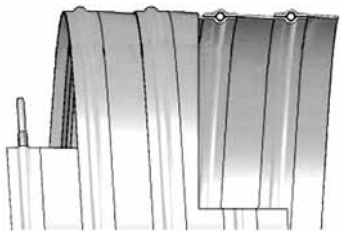
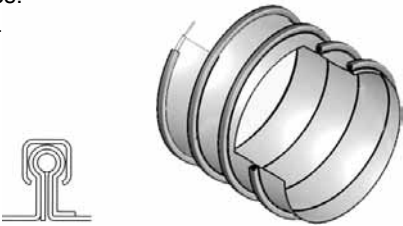
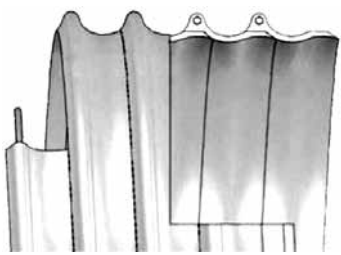
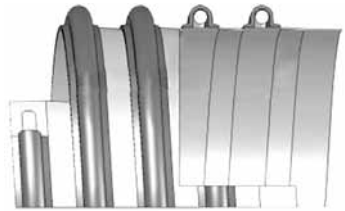
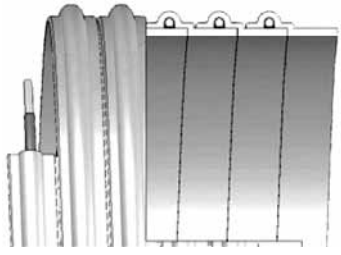
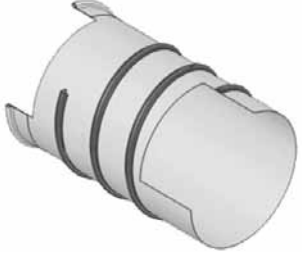
SC-P2SP-080 ducting hose assembled with 90° elbow, code: KS-KSBB90-080-OC using BC type worm drive bridge hose clamp, diameter range: 70 ÷ 90 mm, code: CL-OMP-090-097.

# INDUSTRIAL HOSES - ducting and ventilation

## Construction of ducting hoses:

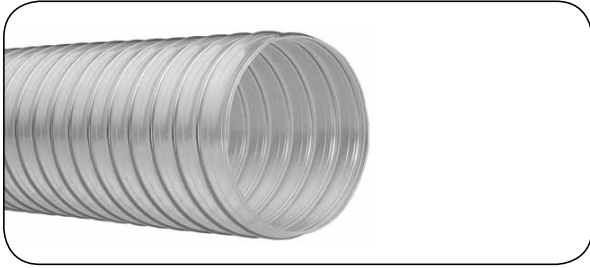
Ducting hoses are made of a layer of thermoplastic material (e.g. polyurethane) or fabric (e.g. polyester) coated with polymeric material (e.g. silicone). A helix made of steel wire, steel strip or plastic ensures resistance to vacuum. The resistance to vacuum is determined by the diameter of a wire (steel strip), whereas the resistance to abrasion by the type and thickness of the material of a hose wall.

The most common hose construction:

<p>P 2 PU P 2 PE P 2 SP P 2 HL P 2 A1000 P 1 N PU SE-A P 1 L PU SE-A P 2 PP</p>  <p>overlapping hose material, steel wire helix</p>	<p>P 7 N PU P 7 M PU AE</p>  <p>externally overlapping hose material, steel wire helix embedded in hose material</p>
<p>P1NPU</p>  <p>overlapping hose material, PVC-coated steel wire helix</p>	<p>CLIP type hoses: KEVLAR SI CL Silicone CL TEFLON CL GRIPFLEX</p>  <p>hose material overlapping under U-shape steel wear strip profile (clip), with steel wire inside the profile</p>
<p>P 7L PU P 1 V PU SE-A P 1 S PU SE-A</p>  <p>internally overlapping hose material, steel wire helix embedded in hose material</p>	<p>P-G-EX 1</p>  <p>internally overlapping hose material, polyamide helix protected by fabric wear strip</p>
<p>P 3 PU P 3 S PU</p>  <p>overlapping hose material, steel wire helix (P 3 PU: PVC-coated helix wire)</p>	<p>PLS</p>  <p>hose material - fabric tube, external steel wire helix protected by wear strip</p>

# INDUSTRIAL HOSES - ducting and ventilation

## Abrasion resistant hoses



### P 2 PU

**Material:** Transparent polyester-polyurethane (standard and AS version)  
Transparent polyether-polyurethane (AE and PAS version)

**Wall thickness:** 0.4 mm

**Reinforcement:** Steel wire helix

**Working temp.:** From -40°C up to +100°C

Lightweight, highly flexible hose designed to transport fumes of oils, dust, sawdust, loose and dry materials, etc. Widely used in construction, woodworking and food industry. Other diameters available in the range of 20 ÷ 800 mm. AE version - resistant to hydrolysis and microbes, compliant with FDA regulations and EU Directives. AS version - antistatic ( $R < 10^8 \Omega$ ) - TRBS 2153. PAS version - resistant to hydrolysis and microbes, compliant with FDA 21 CFR 177.2600, antistatic ( $R < 10^9 \Omega$ ) according to TRBS 2153, with stainless steel wire helix.

code	I.D. [mm]	wire [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
SC-P2PU-025	25	1.2	0.65	0.3	18	0.13	10
SC-P2PU-030	30	1.2	0.6	0.3	21	0.17	10
SC-P2PU-040	40	1.2	0.5	0.25	28	0.23	10
SC-P2PU-050	50	1.2	0.4	0.2	35	0.30	10
SC-P2PU-060	60	1.2	0.4	0.16	42	0.34	10
SC-P2PU-065	65	1.2	0.35	0.14	46	0.37	10
SC-P2PU-070	70	1.2	0.35	0.14	49	0.40	10
SC-P2PU-075	75	1.2	0.3	0.1	53	0.43	10
SC-P2PU-080	80	1.2	0.28	0.1	56	0.46	10
SC-P2PU-085	85	1.2	0.26	0.09	60	0.47	10
SC-P2PU-090	90	1.2	0.24	0.09	62	0.49	10
SC-P2PU-100	100	1.6	0.2	0.09	70	0.51	10
SC-P2PU-110	110	1.6	0.2	0.08	77	0.55	10
SC-P2PU-120	120	1.6	0.2	0.08	85	0.60	10
SC-P2PU-125	125	1.6	0.2	0.08	88	0.65	10
SC-P2PU-130	130	1.6	0.18	0.08	92	0.69	10
SC-P2PU-140	140	1.6	0.15	0.06	95	0.71	10
SC-P2PU-150	150	1.6	0.1	0.06	105	0.78	10
SC-P2PU-160	160	1.6	0.1	0.06	112	0.81	10
SC-P2PU-170	170	1.6	0.09	0.05	117	0.88	10
SC-P2PU-175	175	1.6	0.09	0.05	123	0.90	10
SC-P2PU-180	180	1.6	0.08	0.05	131	0.98	10
SC-P2PU-190	190	1.6	0.08	0.05	134	1.02	10
SC-P2PU-200	200	2	0.08	0.05	140	1.05	10
SC-P2PU-225	225	2	0.05	0.04	158	1.09	10
SC-P2PU-220	220	2	0.05	0.04	161	1.12	10
SC-P2PU-250	250	2	0.05	0.04	175	1.25	10
SC-P2PU-275	275	2	0.03	0.04	190	1.40	10
SC-P2PU-300	300	2	0.03	0.03	210	1.55	10
SC-P2PU-305	305	2	0.03	0.03	229	1.57	10
SC-P2PU-320	320	2	0.03	0.03	236	1.69	10
SC-P2PU-350	350	2	0.02	0.02	245	1.80	10
SC-P2PU-400	400	2	0.02	0.02	280	2.10	10
SC-P2PU-450	450	2	0.01	0.01	315	2.35	10
SC-P2PU-500	500	2	0.01	0.01	350	2.62	10

Code example for AE version: SC-P2PUAE-025  
AS version: SC-P2PUAS-025  
PAS version: SC-P2PUPAS-025

# INDUSTRIAL HOSES - ducting and ventilation

## Abrasion resistant hoses



### P 1 L PU SE-A

**Material:** Transparent polyester-polyurethane  
(AE version polyether- polyurethane)  
**Wall thickness:** 0.4 mm  
**Reinforcement:** Steel wire helix  
**Working temp.:** From -40°C up to +100°C

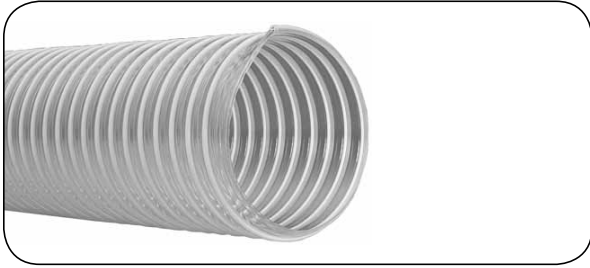
Lightweight, highly flexible hose designed to remove light, loose materials. Widely used in woodworking and furniture industry. Highly resistant to abrasion and mineral oils. Flame retardant, compliant with DIN 4102 B1. Electrically conductive according to BGI 739 after grounding the wire. Remains flexible in low temperatures. The hose is marked with an arrow indicating the correct direction of flow. Other diameters available in the range of 20 ÷ 800 mm. AE version - resistant to hydrolysis and microbes.

code	I.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
SC-P1LPUSEA-025	25	0.6	0.3	16	0.13	10
SC-P1LPUSEA-030	30	0.55	0.25	20	0.15	10
SC-P1LPUSEA-040	40	0.5	0.25	28	0.23	10
SC-P1LPUSEA-050	50	0.4	0.2	35	0.29	10
SC-P1LPUSEA-060	60	0.4	0.16	42	0.34	10
SC-P1LPUSEA-080	80	0.27	0.1	56	0.46	10
SC-P1LPUSEA-100	100	0.2	0.09	70	0.52	10
SC-P1LPUSEA-120	120	0.2	0.08	88	0.61	10
SC-P1LPUSEA-140	140	0.15	0.08	92	0.66	10
SC-P1LPUSEA-150	150	0.1	0.07	105	0.78	10
SC-P1LPUSEA-160	160	0.09	0.06	114	0.85	10
SC-P1LPUSEA-180	180	0.09	0.06	128	0.95	10
SC-P1LPUSEA-200	200	0.08	0.05	140	1.02	10
SC-P1LPUSEA-215	215	0.07	0.05	185	1.14	10
SC-P1LPUSEA-225	225	0.06	0.04	200	1.20	10
SC-P1LPUSEA-250	250	0.05	0.04	205	1.28	10
SC-P1LPUSEA-300	300	0.03	0.03	210	1.54	10
SC-P1LPUSEA-400	400	0.01	0.01	280	2.05	10
SC-P1LPUSEA-500	500	0.01	0.01	350	2.56	10
SC-P1LPUSEA-600	600	0.01	0.01	400	4.60	10

Code example for AE version: SC-P1LPUAESEA-025

# INDUSTRIAL HOSES - ducting and ventilation

## Abrasion resistant hoses



### P 1 N P U

**Material:** Transparent polyester-polyurethane (standard and AS version)  
Polyether- polyurethane (AE and EL version)

**Wall thickness:** 0.5 mm (0.6 mm from Ø 100 mm)

**Reinforcement:** PVC-coated steel wire helix

**Working temp.:** From -40°C up to +100°C

Lightweight, flexible hose designed to remove and transfer light granules in food (AE version), paper making and textile industry. High abrasion resistance. Other diameters available in the range of 10 ÷ 408 mm.  
AE version - resistant to hydrolysis and microbes, compliant with FDA regulations, EU Directives  
AS version - antistatic ( $R < 10^8 \Omega$ ) - TRBS 2153.  
EL version - electrically conductive ( $R < 10^4 \Omega$ ) according to TRBS 2153 and ATEX 94/9/EC Directive, resistant to hydrolysis and microbes. Colour: black.

code	I.D. [mm]	wire [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
SC-P1NPU-013	13	0.8	2	0.5	13	0.07	10
SC-P1NPU-020	20	1	1.8	0.45	20	0.11	10
SC-P1NPU-025	25	1	1.65	0.4	25	0.16	10
SC-P1NPU-030	30	1	1.5	0.35	30	0.18	10
SC-P1NPU-040	40	1	1.4	0.3	40	0.22	10
SC-P1NPU-045	45	1	1.3	0.28	45	0.25	10
SC-P1NPU-050	50	1	1.3	0.28	50	0.27	10
SC-P1NPU-060	60	1.5	1.1	0.25	60	0.47	10
SC-P1NPU-070	70	1.5	0.9	0.22	70	0.53	10
SC-P1NPU-075	75	1.5	0.8	0.2	75	0.59	10
SC-P1NPU-080	80	1.5	0.7	0.18	80	0.65	10
SC-P1NPU-090	90	1.5	0.6	0.15	90	0.72	10
SC-P1NPU-100	100	1.8	0.6	0.15	100	0.79	10
SC-P1NPU-110	110	1.8	0.6	0.15	110	0.79	10
SC-P1NPU-120	120	1.8	0.5	0.15	120	0.85	10
SC-P1NPU-125	125	1.8	0.4	0.12	125	0.98	10
SC-P1NPU-130	130	1.8	0.3	0.12	130	1.02	10
SC-P1NPU-140	140	1.8	0.3	0.12	140	1.05	10
SC-P1NPU-150	150	1.8	0.25	0.1	150	1.18	10
SC-P1NPU-160	160	2	0.25	0.1	160	1.32	10
SC-P1NPU-170	170	2	0.25	0.1	170	1.40	10
SC-P1NPU-175	175	2	0.25	0.1	175	1.45	10
SC-P1NPU-180	180	2	0.2	0.09	180	1.50	10
SC-P1NPU-200	200	2	0.2	0.09	200	1.67	10
SC-P1NPU-225	225	2	0.2	0.09	225	1.88	10
SC-P1NPU-250	250	2.2	0.15	0.06	250	2.05	10
SC-P1NPU-275	275	2.2	0.15	0.06	275	2.24	10
SC-P1NPU-300	300	2.2	0.12	0.06	300	2.45	10
SC-P1NPU-325	325	2.2	0.12	0.05	325	2.65	10
SC-P1NPU-350	350	2.2	0.1	0.04	350	2.85	10
SC-P1NPU-375	375	2.2	0.08	0.03	375	3.05	10
SC-P1NPU-400	400	2.2	0.08	0.02	400	3.25	10

Code example for AE version: SC-P1NPUAE-013  
AS version: SC-P1NPUAS-013  
EL version: SC-P1NPUEL-013

# INDUSTRIAL HOSES - ducting and ventilation

## Abrasion resistant hoses



### P 1 N PU SE-A

**Material:** Transparent polyester-polyurethane  
(AE version polyether- polyurethane)  
**Wall thickness:** 0.5 mm (0.6 mm from Ø 60 mm)  
**Reinforcement:** Steel wire helix  
**Working temp.:** From -40°C up to +100°C

Lightweight, flexible hose designed for suction of dust and tiny particles. Widely used in woodworking and furniture industry. Excellent abrasion resistance. Flame retardant, compliant with DIN 4102 B1. Electrically conductive according to BGI 739 by grounding the wire. The hose is marked with an arrow indicating the correct direction of flow. Other diameters available in the range of 20 ÷ 408 mm.  
 AE version - resistant to hydrolysis and microbes.

code	I.D. [mm]	wire [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
SC-P1NPUSEA-020	20	1	1.9	0.55	20	0.14	10
SC-P1NPUSEA-025	25	1	1.7	0.45	25	0.17	10
SC-P1NPUSEA-030	30	1	1.65	0.45	30	0.19	10
SC-P1NPUSEA-032	32	1	1.6	0.42	32	0.20	10
SC-P1NPUSEA-035	35	1	1.5	0.35	35	0.21	10
SC-P1NPUSEA-038	38	1	1.5	0.3	38	0.23	10
SC-P1NPUSEA-040	40	1	1.4	0.3	40	0.25	10
SC-P1NPUSEA-050	50	1	1.3	0.28	50	0.31	10
SC-P1NPUSEA-060	60	1.5	1.1	0.25	60	0.52	10
SC-P1NPUSEA-070	70	1.5	0.9	0.22	70	0.60	10
SC-P1NPUSEA-075	75	1.5	0.8	0.2	75	0.65	10
SC-P1NPUSEA-080	80	1.5	0.8	0.2	80	0.68	10
SC-P1NPUSEA-090	90	1.5	0.7	0.16	90	0.73	10
SC-P1NPUSEA-100	100	1.8	0.6	0.15	100	0.83	10
SC-P1NPUSEA-102	102	1.8	0.6	0.15	102	0.86	10
SC-P1NPUSEA-110	110	1.8	0.5	0.14	110	0.92	10
SC-P1NPUSEA-120	120	1.8	0.45	0.14	120	0.95	10
SC-P1NPUSEA-125	125	1.8	0.4	0.12	125	1.03	10
SC-P1NPUSEA-127	127	1.8	0.4	0.12	127	1.07	10
SC-P1NPUSEA-130	130	1.8	0.3	0.12	130	1.10	10
SC-P1NPUSEA-140	140	1.8	0.3	0.12	140	1.12	10
SC-P1NPUSEA-150	150	1.8	0.25	0.1	150	1.24	10
SC-P1NPUSEA-152	152	1.8	0.25	0.1	152	1.28	10
SC-P1NPUSEA-160	160	2	0.22	0.1	160	1.35	10
SC-P1NPUSEA-170	170	2	0.22	0.1	170	1.40	10
SC-P1NPUSEA-175	175	2	0.22	0.1	175	1.46	10
SC-P1NPUSEA-180	180	2	0.22	0.1	180	1.51	10
SC-P1NPUSEA-200	200	2	0.2	0.09	200	1.68	10
SC-P1NPUSEA-215	215	2	0.2	0.09	200	1.81	10
SC-P1NPUSEA-225	225	2	0.15	0.09	225	1.90	10
SC-P1NPUSEA-250	250	2.2	0.15	0.08	250	1.97	10
SC-P1NPUSEA-275	275	2.2	0.15	0.06	275	2.24	10
SC-P1NPUSEA-300	300	2.2	0.12	0.06	300	2.36	10
SC-P1NPUSEA-350	350	2.2	0.1	0.04	350	2.75	10
SC-P1NPUSEA-400	400	2.2	0.08	0.02	400	3.14	10

Code example for AE version: SC-P1NPUAEESEA-020

# INDUSTRIAL HOSES - ducting and ventilation

## Abrasion resistant hoses



### P 7 L PU

**Material:** Transparent polyester-polyurethane (standard and AS version)  
Polyether- polyurethane (AE and PAS version)

**Wall thickness:** 0.7 mm

**Reinforcement:** Steel wire helix

**Working temp.:** From -40°C up to +100°C

Robust, smooth bore hose designed to extract and transport highly abrasive materials. Non-toxic and oil resistant. Widely used in woodworking, metalworking and plastic industry. Other diameters available in the range of 25 ÷ 500 mm.

AE version - resistant to hydrolysis and microbes, compliant with FDA regulations and EU Directives

AS version - antistatic ( $R < 10^8 \Omega$ ) - TRBS 2153.

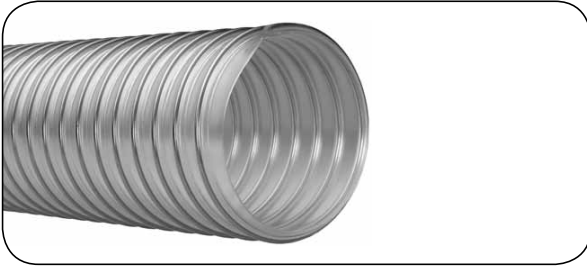
PAS version - resistant to microbes and hydrolysis, compliant with FDA 21 CFR 177.2600, antistatic ( $R < 10^9 \Omega$ ) according to TRBS 2153, with stainless steel helix.

code	I.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
SC-P7LPU-030	30	1.3	0.4	30	0.25	10
SC-P7LPU-040	40	1.15	0.3	40	0.40	10
SC-P7LPU-050	50	1	0.25	50	0.45	10
SC-P7LPU-060	60	1	0.25	60	0.48	10
SC-P7LPU-065	65	0.9	0.2	65	0.55	10
SC-P7LPU-070	70	0.8	0.2	70	0.60	10
SC-P7LPU-080	80	0.8	0.2	80	0.65	10
SC-P7LPU-090	90	0.6	0.18	90	0.74	10
SC-P7LPU-100	100	0.6	0.18	100	0.84	10
SC-P7LPU-110	110	0.5	0.15	110	0.90	10
SC-P7LPU-120	120	0.5	0.15	120	0.95	10
SC-P7LPU-125	125	0.4	0.1	125	0.98	10
SC-P7LPU-130	130	0.4	0.1	130	1.06	10
SC-P7LPU-140	140	0.40	0.1	140	1.09	10
SC-P7LPU-150	150	0.38	0.1	150	1.12	10
SC-P7LPU-160	160	0.35	0.08	160	1.20	10
SC-P7LPU-180	180	0.3	0.07	180	1.45	10
SC-P7LPU-200	200	0.25	0.05	200	1.50	10
SC-P7LPU-215	215	0.25	0.05	215	1.76	10
SC-P7LPU-220	220	0.2	0.04	220	1.80	10
SC-P7LPU-225	225	0.2	0.04	225	1.85	10
SC-P7LPU-250	250	0.2	0.04	250	1.93	10
SC-P7LPU-300	300	0.15	0.02	300	2.31	10

Code example for AE version: SC-P7LPUAE-030  
AS version: SC-P7LPUAS-030  
PAS version: SC-P7LPU PAS-030

# INDUSTRIAL HOSES - ducting and ventilation

## Abrasion resistant hoses



### P 1 V PU SE-A

**Material:** Transparent polyester-polyurethane  
(AE version polyether- polyurethane)  
**Wall thickness:** 0.7 mm  
**Reinforcement:** Steel wire helix  
**Working temp.:** From -40°C up to +100°C

Flexible, oil resistant hose designed to extract highly abrasive materials. Widely used in woodworking and furniture industry. Flame retardant, compliant with DIN 4102 B1. Electrically conductive according to BGI 739 by grounding the wire. The hose is marked with an arrow indicating the correct direction of flow. Other diameters available in the range of 25 ÷ 500 mm.

AE version - resistant to hydrolysis and microbes.

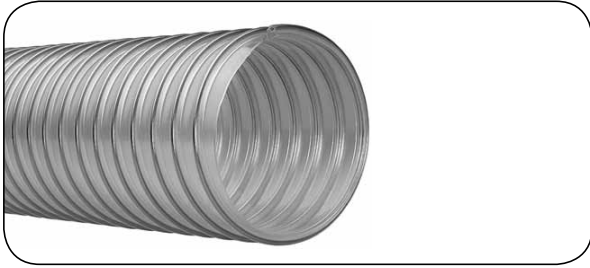
code	I.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
SC-P1VPUSEA-030	30	1.3	0.3	30	0.25	10
SC-P1VPUSEA-040	40	1.15	0.4	40	0.40	10
SC-P1VPUSEA-050	50	1	0.25	50	0.45	10
SC-P1VPUSEA-060	60	1	0.25	60	0.48	10
SC-P1VPUSEA-080	80	0.8	0.2	80	0.65	10
SC-P1VPUSEA-100	100	0.6	0.18	100	0.84	10
SC-P1VPUSEA-120	120	0.5	0.15	120	0.95	10
SC-P1VPUSEA-140	140	0.4	0.1	140	1.06	10
SC-P1VPUSEA-150	150	0.38	0.1	150	1.12	10
SC-P1VPUSEA-160	160	0.35	0.08	160	1.20	10
SC-P1VPUSEA-180	180	0.3	0.07	180	1.45	10
SC-P1VPUSEA-200	200	0.25	0.05	200	1.50	10
SC-P1VPUSEA-215	215	0.25	0.05	215	1.76	10
SC-P1VPUSEA-225	225	0.2	0.04	225	1.85	10
SC-P1VPUSEA-250	250	0.2	0.04	250	1.93	10
SC-P1VPUSEA-300	300	0.15	0.02	300	2.31	10
SC-P1VPUSEA-350	350	0.13	0.01	350	2.50	10
SC-P1VPUSEA-400	400	0.1	0.01	400	2.85	10

Code example for AE version: SC-P1VPUAEESEA-030



# INDUSTRIAL HOSES - ducting and ventilation

## Abrasion resistant hoses



### P 1 S P U S E - A

**Material:** Transparent polyester-polyurethane  
(AE version polyether- polyurethane)  
**Wall thickness:** 0.9 mm  
**Reinforcement:** Steel wire helix  
**Working temp.:** From -40°C up to +100°C

Flexible, oil resistant hose designed to extract highly abrasive materials. Widely used in woodworking and furniture industry. Flame retardant, compliant with DIN 4102 B1. Electrically conductive according to BGI 739 by grounding the wire. The hose is marked with an arrow indicating the correct direction of flow. Other diameters available in the range of 25 ÷ 500 mm.

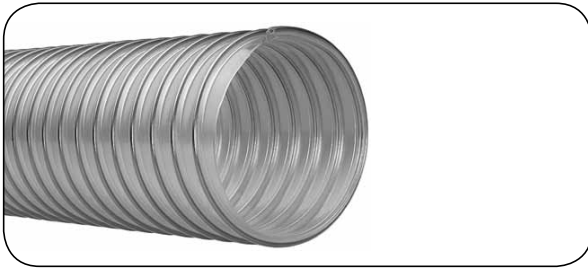
AE version - resistant to hydrolysis and microbes.

code	I.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
SC-P1SPUSEA-040	40	1.2	0.4	46	0.42	10
SC-P1SPUSEA-050	50	1.15	0.25	55	0.48	10
SC-P1SPUSEA-060	60	1.1	0.25	65	0.54	10
SC-P1SPUSEA-080	80	1	0.2	85	0.72	10
SC-P1SPUSEA-100	100	0.65	0.18	106	1.02	10
SC-P1SPUSEA-120	120	0.6	0.15	126	1.15	10
SC-P1SPUSEA-140	140	0.5	0.1	146	1.25	10
SC-P1SPUSEA-150	150	0.4	0.1	158	1.32	10
SC-P1SPUSEA-160	160	0.35	0.08	168	1.41	10
SC-P1SPUSEA-180	180	0.3	0.07	188	1.75	10
SC-P1SPUSEA-200	200	0.25	0.05	208	1.94	10
SC-P1SPUSEA-215	215	0.25	0.05	224	2.08	10
SC-P1SPUSEA-225	225	0.2	0.04	232	2.18	10
SC-P1SPUSEA-250	250	0.2	0.04	260	2.42	10
SC-P1SPUSEA-300	300	0.15	0.02	310	3.15	10
SC-P1SPUSEA-350	350	0.13	0.01	360	3.82	10
SC-P1SPUSEA-400	400	0.1	0.01	410	4.31	10

Code example for AE version: SC-P1SPUAESE-040

# INDUSTRIAL HOSES - ducting and ventilation

## Abrasion resistant hoses



### P 2 CNC

**Material:** Transparent polyether-polyurethane

**Reinforcement:** Steel wire helix

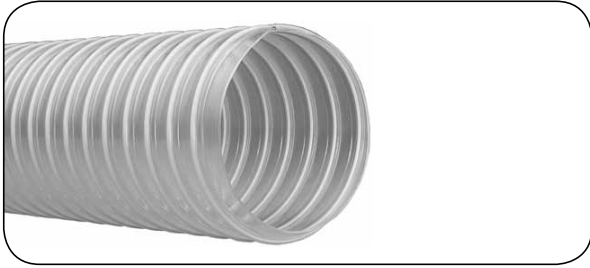
**Working temp.:** From -40°C up to +100°C

Flexible hose designed to extract oil fumes, dust, sawdust, light loose products, etc. Widely used in woodworking, construction industry, particularly recommended for CNC processing centers (woodworking). Flame retardant, compliant with DIN 4102 B1, resistant to hydrolysis and microbes. Free of halogens and plasticizers. Electrically conductive according to BGI 739-2 by grounding the wire. Other diameters available in the range of 80 ÷ 600 mm.

code	I.D. [mm]	wall thickness [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
SC-P2CNC-080	80	0.65	0.35	0.2	80	0.65	10
SC-P2CNC-100	100	0.65	0.3	0.15	100	0.80	10
SC-P2CNC-120	120	0.65	0.3	0.12	120	0.95	10
SC-P2CNC-140	140	0.65	0.2	0.1	140	1.11	10
SC-P2CNC-160	160	0.8	0.2	0.08	160	1.79	10
SC-P2CNC-180	180	0.8	0.15	0.07	180	2.00	10
SC-P2CNC-200	200	0.8	0.15	0.05	200	2.22	10
SC-P2CNC-250	250	0.8	0.1	0.04	250	2.76	10
SC-P2CNC-300	300	0.8	0.05	0.03	300	3.30	10
SC-P2CNC-325	325	0.8	0.03	0.03	325	3.57	10
SC-P2CNC-350	350	0.8	0.02	0.02	350	3.84	10
SC-P2CNC-400	400	0.8	0.02	0.02	400	4.38	10
SC-P2CNC-450	450	0.8	0.01	0.01	450	4.92	10
SC-P2CNC-500	500	0.8	0.01	0.01	500	5.46	10
SC-P2CNC-600	600	0.8	0.01	0.01	600	6.53	10

# INDUSTRIAL HOSES - ducting and ventilation

## Abrasion resistant hoses



### P 3 PU

**Material:** Transparent polyester-polyurethane (standard and AS version)  
Polyether- polyurethane (AE and EL version)

**Reinforcement:** PVC-coated steel wire helix

**Working temp.:** From -40°C up to +100°C

Flexible hose designed to extract highly abrasive materials. Widely used in woodworking, metalworking, plastics and food industry. Other diameters available in the range of 20 ÷ 500 mm.

AE - version - resistant to hydrolysis and microbes, compliant with FDA regulations and EU Directives.

AS version - antistatic (R <10<sup>8</sup> Ω) - TRBS 2153.

EL version - electrically conductive (R <10<sup>4</sup> Ω) according to TRBS 2153 and ATEX 94/9/EC Directive, resistant to hydrolysis and microbes. Colour: black.

code	I.D. [mm]	wire [mm]	wall thickness [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
SC-P3PU-020	20	1	0.8	2.3	0.7	30	0.17	10
SC-P3PU-025	25	1	0.8	2.1	0.5	38	0.21	10
SC-P3PU-030	30	1	0.8	2.1	0.5	45	0.25	10
SC-P3PU-040	40	1.5	0.9	2	0.45	60	0.35	10
SC-P3PU-045	45	1.5	0.9	1.8	0.4	68	0.39	10
SC-P3PU-050	50	1.5	0.9	1.8	0.4	75	0.44	10
SC-P3PU-055	55	1.5	0.9	1.6	0.35	83	0.49	10
SC-P3PU-060	60	1.5	0.9	1.6	0.35	90	0.53	10
SC-P3PU-065	65	1.5	0.9	1.5	0.35	98	0.58	10
SC-P3PU-070	70	1.5	0.9	1.5	0.35	105	0.61	10
SC-P3PU-080	80	1.5	0.9	1.2	0.3	120	0.67	10
SC-P3PU-090	90	1.5	0.9	1	0.3	135	0.88	10
SC-P3PU-100	100	1.8	1.1	1	0.3	150	1.02	10
SC-P3PU-110	110	1.8	1.1	0.8	0.25	165	1.12	10
SC-P3PU-120	120	1.8	1.1	0.8	0.25	180	1.22	10
SC-P3PU-125	125	1.8	1.1	0.75	0.25	185	1.28	10
SC-P3PU-130	130	1.8	1.1	0.55	0.22	195	1.32	10
SC-P3PU-140	140	1.8	1.1	0.5	0.2	210	1.38	10
SC-P3PU-150	150	1.8	1.1	0.5	0.2	225	1.46	10
SC-P3PU-160	160	1.8	1.1	0.45	0.15	240	1.56	10
SC-P3PU-170	170	1.8	1.1	0.45	0.15	255	1.64	10
SC-P3PU-175	175	1.8	1.1	0.45	0.15	260	1.70	10
SC-P3PU-180	180	1.8	1.1	0.45	0.15	260	1.80	10
SC-P3PU-200	200	1.8	1.1	0.35	0.12	300	1.94	10
SC-P3PU-220	220	3	1.3	0.25	0.1	330	2.20	10
SC-P3PU-225	225	3	1.3	0.25	0.1	338	2.32	10
SC-P3PU-250	250	3	1.3	0.25	0.1	375	3.15	10
SC-P3PU-300	300	3	1.3	0.2	0.09	450	3.78	10
SC-P3PU-325	325	3	1.3	0.15	0.09	488	4.10	10
SC-P3PU-350	350	3	1.3	0.15	0.09	525	4.41	10
SC-P3PU-400	400	3	1.3	0.1	0.08	600	5.04	10
SC-P3PU-450	450	3	1.3	0.08	0.06	675	6.71	10
SC-P3PU-500	500	3	1.3	0.05	0.04	750	7.20	10

Code example for AE version: SC-P3PUAE-020  
AS version: SC-P3PUAS-020  
EL version: SC-P3PUEL-020

# INDUSTRIAL HOSES - ducting and ventilation

## Abrasion resistant hoses



### P 7 M P U A E

**Material:** Transparent polyester-polyurethane (AS version)  
Transparent polyether- polyurethane (AE and SAM version)

**Wall thickness:** 1.4 mm

**Reinforcement:** Steel wire helix

**Working temp.:** From -40°C up to +100°C

Robust, flexible, smooth bore hose designed to extract and transport highly abrasive materials. Non-toxic and oil resistant. Widely used in woodworking, metalworking, plastics and food industry. Other diameters available in the range of 20 ÷ 400 mm.

AE version - resistant to hydrolysis and microbes, compliant with FDA regulations and EU Directives.

AS version - antistatic ( $R < 10^8 \Omega$ ) - TRBS 2153.

SAM version - electrically conductive ( $R < 10^4 \Omega$ ) - TRBS 2153, colour: black.

code	I.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
SC-P7MPUAE-032	32	3	0.9	48	0.38	10
SC-P7MPUAE-035	35	2.6	0.8	53	0.45	10
SC-P7MPUAE-038	38	2.4	0.75	57	0.52	10
SC-P7MPUAE-040	40	2.3	0.7	60	0.56	10
SC-P7MPUAE-050	50	1.9	0.6	75	0.67	10
SC-P7MPUAE-060	60	1.8	0.55	90	0.79	10
SC-P7MPUAE-075	75	1.2	0.5	113	0.98	10
SC-P7MPUAE-080	80	1.2	0.45	120	1.09	10
SC-P7MPUAE-090	90	1.1	0.45	135	1.23	10
SC-P7MPUAE-100	100	1.1	0.4	150	1.36	10
SC-P7MPUAE-110	110	1	0.35	165	1.38	10
SC-P7MPUAE-120	120	0.9	0.3	180	1.42	10
SC-P7MPUAE-125	125	0.8	0.25	188	1.54	10
SC-P7MPUAE-140	140	0.7	0.2	210	1.75	10
SC-P7MPUAE-150	150	0.7	0.2	225	1.82	10
SC-P7MPUAE-160	160	0.6	0.2	240	2.15	10
SC-P7MPUAE-180	180	0.5	0.15	270	2.55	10
SC-P7MPUAE-200	200	0.5	0.15	300	2.92	10
SC-P7MPUAE-225	225	0.4	0.1	338	3.25	10
SC-P7MPUAE-250	250	0.3	0.1	375	3.57	10
SC-P7MPUAE-300	300	0.3	0.1	450	4.31	10

Code example for AS version: SC-P7MPUAS-032

SAM version: SC-P7MPUSAM-032

# INDUSTRIAL HOSES - ducting and ventilation

## Abrasion resistant hoses



### P 7 N PU

**Material:** Polyester-polyurethane  
**Wall thickness:** 1.4 mm  
**Reinforcement:** Steel wire helix  
**Working temp.:** From -40°C up to +100°C

Robust, flexible, smooth bore hose designed to extract and transport highly abrasive materials. Non-toxic and oil resistant. Widely used in woodworking, metalworking and plastics industry. Other diameters available in the range of 25 ÷ 400 mm.

AS version - antistatic (R < 10<sup>8</sup> Ω) TRBS 2153.

code	I.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
SC-P7NPU-032	32	3	0.9	48	0.38	10
SC-P7NPU-035	35	2.6	0.8	53	0.45	10
SC-P7NPU-038	38	2.4	0.75	57	0.52	10
SC-P7NPU-040	40	2.3	0.7	60	0.56	10
SC-P7NPU-050	50	1.9	0.6	75	0.67	10
SC-P7NPU-060	60	1.8	0.55	90	0.79	10
SC-P7NPU-075	75	1.2	0.5	113	0.98	10
SC-P7NPU-080	80	1.2	0.45	120	1.09	10
SC-P7NPU-090	90	1.1	0.45	135	1.23	10
SC-P7NPU-100	100	1.1	0.4	150	1.36	10
SC-P7NPU-110	110	1	0.35	165	1.38	10
SC-P7NPU-120	120	0.9	0.3	180	1.42	10
SC-P7NPU-125	125	0.8	0.25	188	1.54	10
SC-P7NPU-140	140	0.7	0.2	210	1.75	10
SC-P7NPU-150	150	0.7	0.2	225	1.82	10
SC-P7NPU-160	160	0.6	0.2	240	2.15	10
SC-P7NPU-180	180	0.5	0.15	270	2.55	10
SC-P7NPU-200	200	0.5	0.15	300	2.92	10
SC-P7NPU-225	225	0.4	0.1	338	3.25	10
SC-P7NPU-250	250	0.3	0.1	375	3.57	10
SC-P7NPU-300	300	0.3	0.1	450	4.31	10

Code example for AS version: SC-P7NPUAS-032

# INDUSTRIAL HOSES - ducting and ventilation

## Abrasion resistant hoses



### P 3 S PU / P 3 SV PU

**Material:** Transparent polyester-polyurethane (standard and AS version)  
Polyether- polyurethane (AE version)

**Wall thickness:** 2 mm (P 3 SV PU - 2.5 mm)

**Reinforcement:** Steel wire helix

**Working temp.:** From -40°C up to +100°C

Robust, smooth bore hose designed to extract and transport highly abrasive materials. Resistant to high vacuum pressure. Non-toxic and oil resistant. Widely used in woodworking, metalworking, plastics and food industry. The hose is marked with an arrow indicating the correct direction of flow. Other diameters available in the range of 25 ÷ 350 mm.

AE version - resistant to hydrolysis and microbes, compliant with FDA regulations and EU Directives.

AS version - antistatic (R <10<sup>8</sup> Ω) TRBS 2153.

code	I.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
SC-P3SPU-030	30	4.6	0.95	130	0.61	10
SC-P3SPU-040	40	4.2	0.95	160	0.76	10
SC-P3SPU-045	45	3.8	0.95	180	0.88	10
SC-P3SPU-050	50	3.8	0.95	200	1.00	10
SC-P3SPU-060	60	3.3	0.95	240	1.32	10
SC-P3SPU-070	70	2.7	0.95	280	1.41	10
SC-P3SPU-075	75	2.7	0.95	300	1.51	10
SC-P3SPU-080	80	2.4	0.9	320	1.61	10
SC-P3SPU-090	90	2.1	0.9	360	1.81	10
SC-P3SPU-100	100	1.9	0.9	400	2.13	10
SC-P3SPU-110	110	1.5	0.9	440	2.29	10
SC-P3SPU-120	120	1.45	0.9	480	2.48	10
SC-P3SPU-125	125	1.45	0.9	500	2.56	10
SC-P3SPU-140	100	1.25	0.85	560	3.51	10
SC-P3SPU-150	150	1.25	0.85	600	4.08	10
SC-P3SPU-160	160	1.15	0.85	640	4.48	10
SC-P3SPU-180	180	0.95	0.85	720	4.91	10
SC-P3SPU-200	200	0.95	0.85	800	5.45	10

Code example for AE version: SC-P3SPUAE-030

AS version: SC-P3SPUAS-030

code	I.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
SC-P3SVPU-050	50	3.25	0.85	125	1.35	10
SC-P3SVPU-075	75	2.50	0.8	190	1.95	10
SC-P3SVPU-100	100	1.65	0.7	250	2.59	10
SC-P3SVPU-125	125	1.4	0.65	312	3.15	10
SC-P3SVPU-150	150	1.15	0.55	375	3.72	10
SC-P3SVPU-200	200	0.85	0.41	500	4.40	10
SC-P3SVPU-250	250	0.6	0.32	625	5.50	10

Code example for AE version: SC-P3SVPUAE-030

AS version: SC-P3SVPUAS-030

# INDUSTRIAL HOSES - ducting and ventilation

## Abrasion resistant hoses



### P 7 XS PU AE

**Material:** Transparent polyether-polyurethane  
**Wall thickness:** 3.5 mm  
**Reinforcement:** Steel wire helix  
**Working temp.:** From -40°C up to +100°C

Robust, smooth bore hose designed to extract and transport highly abrasive materials i.e. sand, gravel, seeds. Resistant to high vacuum, hydrolysis, microbes and oil. Widely used in woodworking, metalworking and plastics industry. The hose is marked with an arrow indicating the correct direction of flow. Other diameters available in the range of 80 ÷ 250 mm. Standard length for diameters 80 -200 mm is 10 m, for larger diameters - on request.

code	I.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
SC-P7XSPUAE-080	80	2.58	0.99	294	2.15
SC-P7XSPUAE-090	90	2.17	0.99	324	2.39
SC-P7XSPUAE-100	100	1.94	0.99	354	2.63
SC-P7XSPUAE-110	110	1.75	0.95	384	2.87
SC-P7XSPUAE-120	120	1.59	0.95	414	3.11
SC-P7XSPUAE-130	130	1.54	0.9	444	3.35
SC-P7XSPUAE-140	140	1.42	0.9	474	3.60
SC-P7XSPUAE-150	150	1.32	0.85	504	3.84
SC-P7XSPUAE-160	160	1.29	0.85	534	4.08
SC-P7XSPUAE-170	170	1.21	0.8	564	4.32
SC-P7XSPUAE-180	180	1.14	0.75	594	4.56
SC-P7XSPUAE-190	190	1.08	0.7	624	4.80
SC-P7XSPUAE-200	200	1.02	0.65	654	5.04
SC-P7XSPUAE-210	210	0.97	0.6	684	5.28
SC-P7XSPUAE-220	220	0.92	0.55	714	5.53
SC-P7XSPUAE-230	230	0.88	0.50	744	5.77
SC-P7XSPUAE-240	240	0.84	0.45	774	6.01
SC-P7XSPUAE-250	250	0.81	0.4	804	6.25

# INDUSTRIAL HOSES - ducting and ventilation

## Abrasion resistant hoses



### OREGON PU

**Material:** Transparent polyurethane  
**Reinforcement:** PVC wire helix  
**Working temp.:** From -25°C up to +85°C

Lightweight, flexible and smooth bore hose designed to extract dust, yarn, polluted air, powders, granules, etc. Widely used in woodworking, construction and food industry. Excellent resistance to abrasion, weather conditions and biological corrosion. Antistatic version includes copper antistatic wire (R = 0075 Ω/m). Meets the requirements of the European Regulation 1935/2004 CE, UE 10/2011

code	I.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight (standard) [kg/m]	weight (antistatic) [kg/m]	standard length [m]
ME-OREGONPU-025	25	0.6	0.4	25	0.16	0.19	20
ME-OREGONPU-030	30	0.6	0.4	30	0.19	0.21	20
ME-OREGONPU-032	32	0.6	0.4	32	0.20	0.24	20
ME-OREGONPU-035	35	0.4	0.4	35	0.21	0.25	20
ME-OREGONPU-038	38	0.4	0.3	38	0.25	0.31	20
ME-OREGONPU-040	40	0.4	0.3	40	0.28	0.33	20
ME-OREGONPU-045	45	0.4	0.3	45	0.32	0.37	20
ME-OREGONPU-050	50	0.4	0.3	50	0.39	0.44	20
ME-OREGONPU-060	60	0.4	0.3	60	0.44	0.50	20
ME-OREGONPU-063	63	0.3	0.3	63	0.47	0.53	20
ME-OREGONPU-070	70	0.3	0.3	70	0.60	0.66	20
ME-OREGONPU-075	75	0.3	0.3	75	0.60	0.66	20
ME-OREGONPU-080	80	0.2	0.3	80	0.65	0.74	20
ME-OREGONPU-090	90	0.2	0.3	90	0.75	0.81	20
ME-OREGONPU-100	100	0.2	0.3	100	0.85	0.92	20
ME-OREGONPU-110	110	0.2	0.3	110	1.05	1.12	20
ME-OREGONPU-120	120	0.15	0.3	120	1.10	1.18	20
ME-OREGONPU-125	125	0.15	0.3	125	1.17	1.25	20
ME-OREGONPU-130	130	0.15	0.3	130	1.28	1.35	20
ME-OREGONPU-140	140	0.1	0.3	140	1.40	1.50	20
ME-OREGONPU-150	150	0.1	0.3	150	1.50	1.60	20
ME-OREGONPU-160	160	0.1	0.3	160	1.70	1.78	20
ME-OREGONPU-180	180	0.1	0.3	180	2.00	2.10	10
ME-OREGONPU-200	200	0.1	0.3	200	2.18	2.28	10
ME-OREGONPU-250	250	0.1	0.3	250	2.96	-	10
ME-OREGONPU-300	300	0.1	0.3	300	3.70	-	10

Code example for AE version: ME-OREGONPU/AS-025



# INDUSTRIAL HOSES - ducting and ventilation

## High temperature resistant hoses



### CWY

**Material:** Neoprene impregnated polyester fabric  
**Wall thickness:** 0.8 mm  
**Reinforcement:** Steel wire helix  
**Working temp.:** From -55°C up to +120°C

Flexible hose designed to remove and transfer fumes, air and gases, also in high temperature conditions. Flame retardant, resistant to chemicals and UV. Remains flexible in very low temperatures.

code	I.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
SC-CWY-025	25	1.8	0.32	38	0.20	10
SC-CWY-030	30	1.8	0.32	45	0.24	10
SC-CWY-040	40	1.5	0.3	60	0.33	10
SC-CWY-050	50	1.2	0.25	75	0.41	10
SC-CWY-060	60	1	0.2	90	0.49	10
SC-CWY-070	70	0.9	0.18	105	0.57	10
SC-CWY-075	75	0.85	0.12	113	0.61	10
SC-CWY-080	80	0.8	0.1	120	0.65	10
SC-CWY-100	100	0.6	0.08	153	0.72	10
SC-CWY-120	120	0.5	0.08	180	0.87	10
SC-CWY-125	125	0.5	0.07	190	0.90	10
SC-CWY-140	140	0.4	0.06	210	1.01	10
SC-CWY-150	150	0.3	0.06	230	1.22	10
SC-CWY-175	175	0.25	0.05	270	1.43	10
SC-CWY-200	200	0.2	0.04	305	1.63	10
SC-CWY-250	250	0.15	0.03	380	2.04	10
SC-CWY-300	300	0.1	0.02	460	3.00	10
SC-CWY-356	350	0.06	0.02	535	3.50	10
SC-CWY-406	406	0.04	0.01	610	4.00	10
SC-CWY-457	457	0.03	0.01	685	4.50	10
SC-CWY-508	508	0.03	0.01	760	4.85	10
SC-CWY-610	610	0.01	0.01	915	5.26	10

# INDUSTRIAL HOSES - ducting and ventilation

## High temperature resistant hoses



### NEOPRENE 1

**Material:** Black neoprene-coated fibreglass fabric (one layer)

**Reinforcement:** Internal steel wire helix

**Working temp.:** From -35°C up to +135°C (with peaks up to +150°C)

Lightweight, extremely flexible hose designed to remove fumes, air and gases. Widely used to transfer cool and cold air in electronic industry, plastic processing and for exhaust fumes and welding gases. For proper hose selection please contact Sales or Technical Department of TUBES INTERNATIONAL®. Standard length: 4 m.

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
TS-NEOPRENE1-013	13	15	1.5	0.53	7	0.075
TS-NEOPRENE1-019	19	21	1.5	0.53	9	0.080
TS-NEOPRENE1-022	22	24	1.5	0.53	11	0.085
TS-NEOPRENE1-025	25	27	1.4	0.53	12	0.120
TS-NEOPRENE1-032	32	34	1.4	0.5	16	0.130
TS-NEOPRENE1-038	38	40.6	1.4	0.5	19	0.165
TS-NEOPRENE1-041	41	43.6	1.3	0.45	21	0.177
TS-NEOPRENE1-044	44	46.6	1.2	0.44	22	0.199
TS-NEOPRENE1-051	51	53.6	1.2	0.44	25	0.250
TS-NEOPRENE1-055	55	57.6	1.1	0.44	27	0.270
TS-NEOPRENE1-057	57	59.6	1.1	0.4	28	0.280
TS-NEOPRENE1-060	60	62.6	1.1	0.4	30	0.300
TS-NEOPRENE1-063	63	65.6	1.1	0.4	31	0.320
TS-NEOPRENE1-065	65	67.6	1.1	0.4	33	0.340
TS-NEOPRENE1-070	70	73.1	1.1	0.35	35	0.395
TS-NEOPRENE1-076	76	79.1	1.0	0.35	38	0.410
TS-NEOPRENE1-080	80	82.1	1.0	0.3	40	0.440
TS-NEOPRENE1-083	83	86.1	1.0	0.3	41	0.470
TS-NEOPRENE1-090	90	92.1	0.9	0.29	45	0.490
TS-NEOPRENE1-095	95	98.1	0.9	0.27	47	0.540
TS-NEOPRENE1-102	102	105.1	0.9	0.26	51	0.570
TS-NEOPRENE1-108	108	111.1	0.8	0.23	54	0.680
TS-NEOPRENE1-110	110	113.1	0.8	0.21	56	0.690
TS-NEOPRENE1-114	114	117.1	0.8	0.21	57	0.730
TS-NEOPRENE1-120	120	124.1	0.8	0.19	60	0.760
TS-NEOPRENE1-127	127	130.1	0.8	0.17	63	0.805
TS-NEOPRENE1-140	140	143.1	0.8	0.15	70	0.885
TS-NEOPRENE1-152	152	155.6	0.6	0.14	76	1.050
TS-NEOPRENE1-160	160	163.9	0.6	0.12	80	1.090
TS-NEOPRENE1-165	165	168.9	0.6	0.12	85	1.100
TS-NEOPRENE1-178	178	182.1	0.6	0.1	89	1.210
TS-NEOPRENE1-180	180	184.1	0.6	0.1	95	1.240
TS-NEOPRENE1-203	203	207.1	0.5	0.07	101	1.380
TS-NEOPRENE1-230	230	233.6	0.4	0.06	114	1.490
TS-NEOPRENE1-254	254	258.6	0.4	0.05	127	1.650
TS-NEOPRENE1-305	305	309.6	0.1	0.03	152	2.000

# INDUSTRIAL HOSES - ducting and ventilation

## High temperature resistant hoses



### NEOPRENE 2

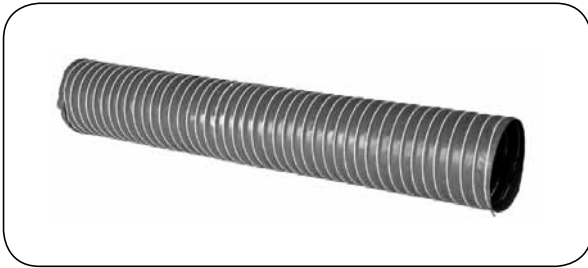
**Material:** Black Neoprene-coated fibreglass fabric (two layers)  
**Reinforcement:** Internal steel wire helix  
**Working temp.:** From -35°C up to +135°C (with peaks up to +150°C)

More robust version of NEOPRENE 1 hose. Widely used to transfer cool and cold air in electronic industry, plastics processing and for exhaust fumes and welding gases. For proper hose selection please contact Sales or Technical Department of TUBES INTERNATIONAL®. Standard length: 4 m.

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
TS-NEOPRENE2-013	13	15.6	2.6	0.7	13	0.085
TS-NEOPRENE2-019	19	21.6	2.5	0.7	19	0.105
TS-NEOPRENE2-022	22	25.2	2.5	0.7	22	0.130
TS-NEOPRENE2-025	25	28.2	2.5	0.7	25	0.145
TS-NEOPRENE2-032	32	35.2	2.5	0.58	32	0.180
TS-NEOPRENE2-038	38	41.2	2.4	0.58	38	0.210
TS-NEOPRENE2-041	41	44.2	2.4	0.58	41	0.238
TS-NEOPRENE2-044	44	47.2	2.4	0.58	44	0.255
TS-NEOPRENE2-051	51	54.7	2.4	0.53	51	0.285
TS-NEOPRENE2-055	55	58.7	2.3	0.53	55	0.300
TS-NEOPRENE2-057	57	60.7	2.3	0.53	57	0.330
TS-NEOPRENE2-060	60	63.7	2.2	0.53	60	0.340
TS-NEOPRENE2-063	63	66.7	2.2	0.46	63	0.355
TS-NEOPRENE2-065	65	68.7	2.2	0.46	65	0.375
TS-NEOPRENE2-070	70	73.7	2.2	0.46	70	0.435
TS-NEOPRENE2-076	76	79.7	2.1	0.44	76	0.470
TS-NEOPRENE2-080	80	83.7	2.1	0.4	80	0.490
TS-NEOPRENE2-083	83	86.7	2.1	0.4	83	0.510
TS-NEOPRENE2-090	90	93.7	2	0.4	90	0.550
TS-NEOPRENE2-095	95	98.7	2	0.4	95	0.570
TS-NEOPRENE2-102	102	106.2	1.8	0.35	102	0.610
TS-NEOPRENE2-108	108	112.2	1.8	0.3	108	0.735
TS-NEOPRENE2-110	110	113.2	1.7	0.3	110	0.755
TS-NEOPRENE2-114	114	118.2	1.7	0.28	114	0.785
TS-NEOPRENE2-120	120	124.2	1.5	0.21	120	0.810
TS-NEOPRENE2-127	127	131.7	1.5	0.21	127	0.860
TS-NEOPRENE2-140	140	144.7	1.4	0.18	140	0.945
TS-NEOPRENE2-152	152	157.2	1.1	0.17	152	1.100
TS-NEOPRENE2-160	160	165.2	0.9	0.15	160	1.146
TS-NEOPRENE2-165	165	170.2	0.9	0.14	165	1.170
TS-NEOPRENE2-178	178	183.2	0.8	0.14	178	1.275
TS-NEOPRENE2-180	180	185.2	0.8	0.14	180	1.300
TS-NEOPRENE2-203	203	208.2	0.6	0.1	203	1.390
TS-NEOPRENE2-230	230	234.2	0.5	0.08	229	1.605
TS-NEOPRENE2-254	254	259.2	0.4	0.07	254	1.780
TS-NEOPRENE2-305	305	310.2	0.2	0.05	305	2.170

# INDUSTRIAL HOSES - ducting and ventilation

## High temperature resistant hoses



### SILICONE 1

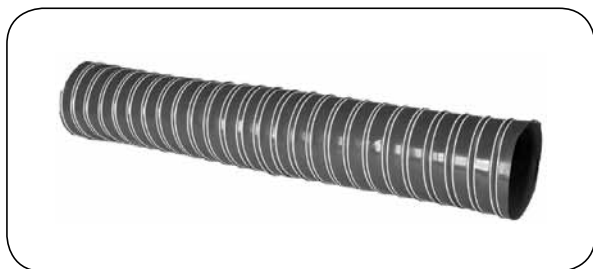
**Material:** Red, silicone-coated fibreglass fabric (one layer)  
**Reinforcement:** Internal steel wire helix  
**Working temp.:** From -70°C up to +250°C (with peaks up to +300°C)

Lightweight, very flexible hose designed to remove fumes, air and gases at high temperatures. Not recommended for heavy duty applications. For proper hose selection please contact Sales or Technical Department of TUBES INTERNATIONAL®. Standard length: 4 m.

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
TS-SILICONE1-013	13	15	1.5	0.53	7	0.075
TS-SILICONE1-019	19	21	1.5	0.53	9	0.080
TS-SILICONE1-022	22	24	1.5	0.53	11	0.085
TS-SILICONE1-025	25	27	1.4	0.53	12	0.120
TS-SILICONE1-032	32	34	1.4	0.5	16	0.130
TS-SILICONE1-038	38	40.6	1.4	0.5	19	0.165
TS-SILICONE1-041	41	43.6	1.3	0.45	21	0.177
TS-SILICONE1-044	44	46.6	1.2	0.44	22	0.199
TS-SILICONE1-051	51	53.6	1.2	0.44	25	0.250
TS-SILICONE1-055	55	57.6	1.1	0.44	27	0.270
TS-SILICONE1-057	57	59.6	1.1	0.4	28	0.280
TS-SILICONE1-060	60	62.6	1.1	0.4	30	0.300
TS-SILICONE1-063	63	65.6	1.1	0.4	31	0.320
TS-SILICONE1-065	65	67.6	1.1	0.4	33	0.340
TS-SILICONE1-070	70	73.1	1.1	0.35	35	0.395
TS-SILICONE1-076	76	79.1	1	0.35	38	0.410
TS-SILICONE1-080	80	82.1	1	0.3	40	0.440
TS-SILICONE1-083	83	86.1	1	0.3	41	0.470
TS-SILICONE1-090	90	92.1	0.9	0.29	45	0.490
TS-SILICONE1-095	95	98.1	0.9	0.27	47	0.540
TS-SILICONE1-102	102	105.1	0.9	0.26	51	0.570
TS-SILICONE1-108	108	111.1	0.8	0.23	54	0.680
TS-SILICONE1-110	110	113.1	0.8	0.21	56	0.690
TS-SILICONE1-114	114	117.1	0.8	0.21	57	0.730
TS-SILICONE1-120	120	124.1	0.8	0.19	60	0.760
TS-SILICONE1-127	127	130.1	0.8	0.17	63	0.805
TS-SILICONE1-140	140	143.1	0.8	0.15	70	0.885
TS-SILICONE1-152	152	155.6	0.6	0.14	76	1.050
TS-SILICONE1-160	160	163.9	0.6	0.12	80	1.090
TS-SILICONE1-165	165	168.9	0.6	0.12	85	1.100
TS-SILICONE1-178	178	182.1	0.6	0.1	89	1.210
TS-SILICONE1-180	180	184.1	0.6	0.1	95	1.240
TS-SILICONE1-203	203	207.1	0.5	0.07	101	1.380
TS-SILICONE1-230	230	233.6	0.4	0.06	114	1.490
TS-SILICONE1-254	254	258.6	0.4	0.05	127	1.650
TS-SILICONE1-305	305	309.6	0.1	0.03	152	2.000

# INDUSTRIAL HOSES - ducting and ventilation

## High temperature resistant hoses



### SILICONE 2

**Material:** Red, silicone-coated fibreglass fabric (two layers)  
**Reinforcement:** Internal steel wire helix  
**Working temp.:** From -70°C up to +250°C (with peaks up to +300°C)

More robust version of SILICONE 1 hose. Designed to remove fumes, air and gases at high temperatures. Not recommended for heavy duty applications. For proper hose selection please contact Sales or Technical Department of TUBES INTERNATIONAL®. Standard length: 4 m.

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
TS-SILICONE2-013	13	15.6	2.6	0.7	13	0.155
TS-SILICONE2-019	19	21.6	2.5	0.7	19	0.185
TS-SILICONE2-022	22	25.2	2.5	0.7	22	0.205
TS-SILICONE2-025	25	28.2	2.5	0.7	25	0.220
TS-SILICONE2-032	32	35.2	2.5	0.58	32	0.240
TS-SILICONE2-038	38	41.2	2.4	0.58	38	0.300
TS-SILICONE2-041	41	44.2	2.4	0.58	41	0.315
TS-SILICONE2-044	44	47.2	2.4	0.58	44	0.335
TS-SILICONE2-051	51	54.7	2.4	0.53	51	0.350
TS-SILICONE2-055	55	58.7	2.3	0.53	55	0.410
TS-SILICONE2-057	57	60.7	2.3	0.53	57	0.420
TS-SILICONE2-060	60	63.7	2.2	0.53	60	0.460
TS-SILICONE2-063	63	66.7	2.2	0.46	63	0.480
TS-SILICONE2-065	65	68.7	2.2	0.46	65	0.490
TS-SILICONE2-070	70	73.7	2.2	0.46	70	0.520
TS-SILICONE2-076	76	79.7	2.1	0.44	76	0.570
TS-SILICONE2-080	80	83.7	2.1	0.4	80	0.610
TS-SILICONE2-083	83	86.7	2.1	0.4	83	0.630
TS-SILICONE2-090	90	93.7	2	0.4	90	0.680
TS-SILICONE2-095	95	98.7	2	0.4	95	0.720
TS-SILICONE2-102	102	106.2	1.8	0.35	102	0.760
TS-SILICONE2-108	108	112.2	1.8	0.3	108	0.810
TS-SILICONE2-110	110	113.2	1.7	0.3	110	0.860
TS-SILICONE2-114	114	118.2	1.7	0.28	114	0.890
TS-SILICONE2-120	120	124.2	1.5	0.21	120	0.940
TS-SILICONE2-127	127	131.7	1.5	0.21	127	1.000
TS-SILICONE2-140	140	144.7	1.4	0.18	140	1.110
TS-SILICONE2-152	152	157.2	1.1	0.17	152	1.200
TS-SILICONE2-160	160	165.2	0.9	0.15	160	1.270
TS-SILICONE2-165	165	170.2	0.9	0.14	165	1.310
TS-SILICONE2-178	178	183.2	0.8	0.14	178	1.420
TS-SILICONE2-180	180	185.2	0.8	0.14	180	1.470
TS-SILICONE2-203	203	208.2	0.6	0.1	203	1.640
TS-SILICONE2-230	230	234.2	0.5	0.08	229	1.900
TS-SILICONE2-254	254	259.2	0.4	0.07	254	2.130
TS-SILICONE2-305	305	310.2	0.2	0.05	305	2.570

# INDUSTRIAL HOSES - ducting and ventilation

## High temperature resistant hoses



### KEVLAR SI CL

**Material:** One-side silicone-coated  
Kevlar fabric

**Wall thickness:** 0.4 mm

**Reinforcement:** Steel wire helix

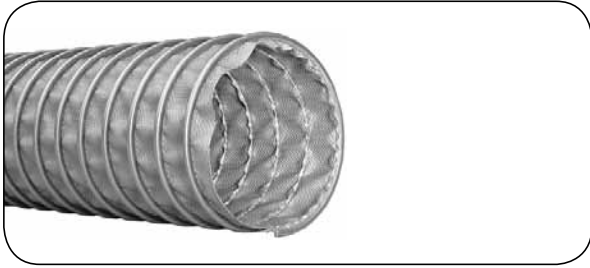
**Working temp.:** From -60°C up to +300°C

Lightweight, very flexible hose designed to transfer fumes and gases at high temperatures. For proper hose selection please contact Sales or Technical Department of TUBES INTERNATIONAL®. Other diameters available in the range of 50 ÷ 508 mm.

code	I.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
SC-KEVLAR-CL-050	50	0.9	0.32	30	0.50	3 or 6
SC-KEVLAR-CL-060	60	0.78	0.22	36	0.60	3 or 6
SC-KEVLAR-CL-076	76	0.62	0.14	45	0.75	3 or 6
SC-KEVLAR-CL-080	80	0.61	0.12	48	0.80	3 or 6
SC-KEVLAR-CL-102	102	0.51	0.08	60	0.90	3 or 6
SC-KEVLAR-CL-112	112	0.48	0.06	66	0.92	3 or 6
SC-KEVLAR-CL-120	120	0.36	0.05	72	1.00	3 or 6
SC-KEVLAR-CL-127	127	0.33	0.05	75	1.02	3 or 6
SC-KEVLAR-CL-152	152	0.22	0.04	90	1.25	3 or 6
SC-KEVLAR-CL-160	160	0.21	0.03	96	1.28	3 or 6
SC-KEVLAR-CL-180	180	0.17	0.02	126	1.48	3 or 6
SC-KEVLAR-CL-203	203	0.15	0.02	140	1.65	3 or 6
SC-KEVLAR-CL-254	254	0.1	0.01	175	2.00	3 or 6
SC-KEVLAR-CL-305	305	0.07	0.01	210	2.25	3 or 6
SC-KEVLAR-CL-350	350	0.06	0.01	245	2.70	3 or 6
SC-KEVLAR-CL-407	407	0.04	0.01	320	3.15	3 or 6
SC-KEVLAR-CL-508	508	0.04	0.01	400	4.20	3 or 6

# INDUSTRIAL HOSES - ducting and ventilation

## High temperature resistant hoses



### SILICONE CL

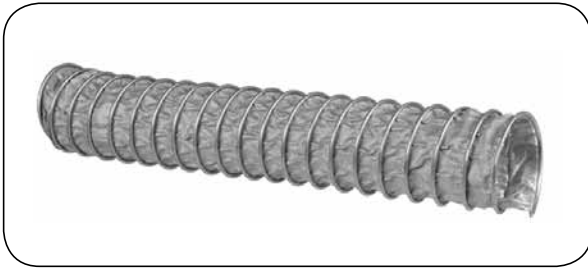
**Material:** Silver-grey silicone-coated  
fibreglass fabric  
**Wall thickness:** 0.4 mm  
**Reinforcement:** Steel wire helix  
**Working temp.:** From -60°C up to +300°C

Lightweight, very flexible hose designed to transfer fumes and gases at high temperatures. For proper hose selection please contact Sales or Technical Department of TUBES INTERNATIONAL®. Other diameters available in the range of 50 ÷ 508 mm.

code	I.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
SC-SILICON-CL-060	60	0.68	0.22	36	0.50	3 or 6
SC-SILICON-CL-076	76	0.47	0.14	45	0.60	3 or 6
SC-SILICON-CL-080	80	0.43	0.13	48	0.62	3 or 6
SC-SILICON-CL-102	102	0.3	0.08	60	0.65	3 or 6
SC-SILICON-CL-110	110	0.25	0.07	66	0.70	3 or 6
SC-SILICON-CL-120	120	0.22	0.06	72	0.72	3 or 6
SC-SILICON-CL-127	127	0.21	0.05	75	0.80	3 or 6
SC-SILICON-CL-152	152	0.16	0.04	90	0.90	3 or 6
SC-SILICON-CL-160	160	0.14	0.03	96	0.94	3 or 6
SC-SILICON-CL-180	180	0.12	0.02	108	1.00	3 or 6
SC-SILICON-CL-203	203	0.1	0.02	120	1.21	3 or 6
SC-SILICON-CL-254	254	0.07	0.01	175	1.70	3 or 6
SC-SILICON-CL-305	305	0.05	0.01	210	2.13	3 or 6
SC-SILICON-CL-350	350	0.04	0.01	245	2.50	3 or 6
SC-SILICON-CL-407	407	0.03	0.01	280	3.10	3 or 6
SC-SILICON-CL-508	508	0.02	0.01	400	4.15	3 or 6

# INDUSTRIAL HOSES - ducting and ventilation

## High temperature resistant hoses



### GRIPFLEX 400

**Material:** Coated fibreglass fabric  
**Reinforcement:** Steel wire helix, steel wear strip  
**Working temp.:** From -120°C up to +400°C  
 (with peaks up to +450°C)

Lightweight, very flexible hose designed to transfer hot air, exhaust fumes and other emissions. Flammability, compliant with SOLAS. Does not contain plasticizers, silicone or halogen compounds. Good resistance to oils. Limited ability to bend constantly. Widely used in metallurgical industry. Intended for vacuum only. A version with stainless steel wire helix is also available (from 80 mm diameter).

code	I.D. [mm]	working press. [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
TS-GRIP400-050	50	-	0.32	30	0.40	2 ÷ 10
TS-GRIP400-060	60	-	0.22	36	0.50	2 ÷ 10
TS-GRIP400-065	65	-	0.19	39	0.50	2 ÷ 10
TS-GRIP400-070	70	-	0.16	42	0.50	2 ÷ 10
TS-GRIP400-075	75	-	0.14	45	0.60	2 ÷ 10
TS-GRIP400-080	80	-	0.125	48	0.60	2 ÷ 10
TS-GRIP400-090	90	-	0.1	54	0.60	2 ÷ 10
TS-GRIP400-100	100	-	0.08	60	0.60	2 ÷ 10
TS-GRIP400-110	110	-	0.066	66	0.70	2 ÷ 10
TS-GRIP400-120	120	-	0.056	72	0.70	2 ÷ 10
TS-GRIP400-125	125	-	0.05	75	0.80	2 ÷ 10
TS-GRIP400-130	130	-	0.047	78	0.80	2 ÷ 10
TS-GRIP400-140	140	-	0.041	84	0.80	2 ÷ 10
TS-GRIP400-150	150	-	0.036	90	0.90	2 ÷ 10
TS-GRIP400-160	160	-	0.031	96	0.90	2 ÷ 10
TS-GRIP400-170	170	-	0.028	102	0.90	2 ÷ 10
TS-GRIP400-175	175	-	0.026	105	1.00	2 ÷ 10
TS-GRIP400-180	180	-	0.025	108	1.00	2 ÷ 10
TS-GRIP400-200	200	-	0.02	120	1.20	2 ÷ 10
TS-GRIP400-215	215	-	0.018	129	1.30	2 ÷ 10
TS-GRIP400-225	225	-	0.016	135	1.40	2 ÷ 10
TS-GRIP400-250	250	-	0.013	175	1.60	2 ÷ 10
TS-GRIP400-275	275	-	0.011	193	1.90	2 ÷ 10
TS-GRIP400-300	300	-	0.009	210	2.10	2 ÷ 10
TS-GRIP400-315	315	-	0.008	221	2.10	2 ÷ 10
TS-GRIP400-325	325	-	0.008	228	2.20	2 ÷ 10
TS-GRIP400-350	350	-	0.007	245	2.50	2 ÷ 10
TS-GRIP400-375	375	-	0.006	263	2.90	2 ÷ 10
TS-GRIP400-400	400	-	0.005	280	3.10	2 ÷ 10
TS-GRIP400-450	450	-	0.004	360	3.60	2 ÷ 10
TS-GRIP400-500	500	-	0.003	400	4.10	2 ÷ 10
TS-GRIP400-600	600	-	0.002	480	5.10	2 ÷ 10
TS-GRIP400-700	700	-	0.002	560	6.00	2 ÷ 10
TS-GRIP400-800	800	-	0.001	640	6.90	2 ÷ 10
TS-GRIP400-900	900	-	0.001	720	7.80	2 ÷ 10



# INDUSTRIAL HOSES - ducting and ventilation

## High temperature resistant hoses



### GRIPFLEX 450

**Internal layer:** Fibreglass fabric  
**Cover:** Silicone-coated fibreglass fabric  
**Reinforcement:** Steel wire helix, steel wear strip  
**Working temp.:** From -60°C up to +450°C  
 (with peaks up to +500°C)

Lightweight, very flexible hose designed to transfer hot air, exhaust fumes and other emissions. Resistant to oils and UV, flammability. Widely used in metallurgical, automotive and aircraft industry. A version with stainless steel wire helix is also available (from 80 mm diameter)

code	I.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
TS-GRIP450-050	50	0.9	0.32	30	0.60	2 ÷ 10
TS-GRIP450-060	60	0.78	0.22	36	0.70	2 ÷ 10
TS-GRIP450-065	65	0.68	0.19	39	0.80	2 ÷ 10
TS-GRIP450-070	70	0.67	0.16	42	0.90	2 ÷ 10
TS-GRIP450-075	75	0.62	0.14	45	1.00	2 ÷ 10
TS-GRIP450-080	80	0.61	0.125	48	1.00	2 ÷ 10
TS-GRIP450-090	90	0.56	0.1	54	1.20	2 ÷ 10
TS-GRIP450-100	100	0.51	0.08	60	1.30	2 ÷ 10
TS-GRIP450-110	110	0.48	0.066	66	1.30	2 ÷ 10
TS-GRIP450-120	120	0.36	0.056	72	1.40	2 ÷ 10
TS-GRIP450-125	125	0.33	0.05	75	1.40	2 ÷ 10
TS-GRIP450-130	130	0.28	0.047	78	1.60	2 ÷ 10
TS-GRIP450-140	140	0.25	0.041	84	1.60	2 ÷ 10
TS-GRIP450-150	150	0.22	0.036	90	1.80	2 ÷ 10
TS-GRIP450-160	160	0.21	0.031	96	1.80	2 ÷ 10
TS-GRIP450-170	170	0.19	0.028	102	2.00	2 ÷ 10
TS-GRIP450-175	175	0.185	0.026	105	2.10	2 ÷ 10
TS-GRIP450-180	180	0.17	0.025	108	2.10	2 ÷ 10
TS-GRIP450-200	200	0.15	0.02	120	2.30	2 ÷ 10
TS-GRIP450-215	215	0.13	0.018	129	2.40	2 ÷ 10
TS-GRIP450-225	225	0.12	0.016	135	2.40	2 ÷ 10
TS-GRIP450-250	250	0.1	0.013	175	2.60	2 ÷ 10
TS-GRIP450-275	275	0.08	0.011	193	2.70	2 ÷ 10
TS-GRIP450-300	300	0.08	0.009	210	2.75	2 ÷ 10
TS-GRIP450-315	315	0.06	0.008	221	2.80	2 ÷ 10
TS-GRIP450-325	325	0.06	0.008	228	2.90	2 ÷ 10
TS-GRIP450-350	350	0.05	0.007	245	3.05	2 ÷ 10
TS-GRIP450-375	375	0.05	0.006	263	3.20	2 ÷ 10
TS-GRIP450-400	400	0.05	0.005	280	3.40	2 ÷ 10
TS-GRIP450-450	450	0.04	0.004	360	4.00	2 ÷ 10
TS-GRIP450-500	500	0.04	0.003	400	4.50	2 ÷ 10
TS-GRIP450-600	600	0.04	0.002	480	5.60	2 ÷ 10
TS-GRIP450-700	700	0.03	0.002	560	6.60	2 ÷ 10
TS-GRIP450-800	800	0.02	0.001	640	7.60	2 ÷ 10
TS-GRIP450-900	900	0.02	0.001	720	8.60	2 ÷ 10

# INDUSTRIAL HOSES - ducting and ventilation

## High temperature resistant hoses



### GRIPFLEX 650

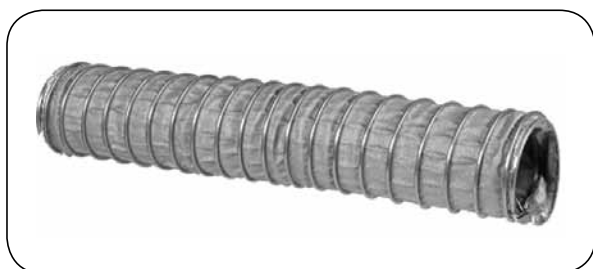
**Material:** Two-layer fibreglass fabric with stainless steel yarn woven through  
**Reinforcement:** Steel wire helix, steel wear strip  
**Working temp.:** From -120°C up to +650°C

Lightweight, very flexible hose designed to transfer hot air, exhaust fumes and other emissions. Good resistance to oils, UV and vibration, flammability, silicone-free. Limited ability to constant bending. Widely used in metallurgical, automotive, aircraft and shipbuilding industry. Intended for vacuum only. A version with stainless steel wire helix is also available (from 80 mm diameter)

code	I.D. [mm]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
TS-GRIP650-060	60	0.32	36	1.35	2 ÷ 10
TS-GRIP650-065	65	0.3	39	1.45	2 ÷ 10
TS-GRIP650-070	70	0.27	42	1.50	2 ÷ 10
TS-GRIP650-075	75	0.26	45	1.65	2 ÷ 10
TS-GRIP650-080	80	0.23	48	1.80	2 ÷ 10
TS-GRIP650-090	90	0.21	54	1.80	2 ÷ 10
TS-GRIP650-100	100	0.17	60	1.80	2 ÷ 10
TS-GRIP650-110	110	0.14	66	1.90	2 ÷ 10
TS-GRIP650-120	120	0.12	72	2.00	2 ÷ 10
TS-GRIP650-125	125	0.11	75	2.10	2 ÷ 10
TS-GRIP650-130	130	0.1	78	2.10	2 ÷ 10
TS-GRIP650-140	140	0.09	84	2.10	2 ÷ 10
TS-GRIP650-150	150	0.08	90	2.20	2 ÷ 10
TS-GRIP650-160	160	0.07	96	2.40	2 ÷ 10
TS-GRIP650-170	170	0.06	102	2.50	2 ÷ 10
TS-GRIP650-175	175	0.06	105	2.80	2 ÷ 10
TS-GRIP650-180	180	0.05	108	2.80	2 ÷ 10
TS-GRIP650-200	200	0.04	120	3.00	2 ÷ 10
TS-GRIP650-215	215	0.04	129	3.20	2 ÷ 10
TS-GRIP650-225	225	0.04	135	3.40	2 ÷ 10
TS-GRIP650-250	250	0.03	175	3.55	2 ÷ 10
TS-GRIP650-275	275	0.02	193	4.20	2 ÷ 10
TS-GRIP650-300	300	0.02	210	4.40	2 ÷ 10
TS-GRIP650-315	315	0.02	221	4.50	2 ÷ 10
TS-GRIP650-325	325	0.02	228	4.70	2 ÷ 10
TS-GRIP650-350	350	0.015	245	5.00	2 ÷ 10
TS-GRIP650-375	375	0.01	263	5.50	2 ÷ 10
TS-GRIP650-400	400	0.01	280	5.90	2 ÷ 10
TS-GRIP650-450	450	0.009	360	6.70	2 ÷ 10
TS-GRIP650-500	500	0.007	400	7.40	2 ÷ 10
TS-GRIP650-600	600	0.005	480	9.00	2 ÷ 10
TS-GRIP650-700	700	0.004	560	10.10	2 ÷ 10
TS-GRIP650-800	800	0.003	640	11.60	2 ÷ 10
TS-GRIP650-900	900	0.003	720	13.20	2 ÷ 10

# INDUSTRIAL HOSES - ducting and ventilation

## High temperature resistant hoses



### GRIPFLEX 1100

**Material:** Coated fibreglass fabric (outer)  
 (three layers) Insulation fabric (middle)  
 Stainless steel fabric (inner)

**Reinforcement:** External AISI 409 steel wire helix

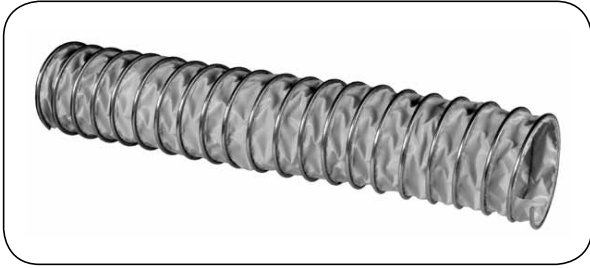
**Working temp.:** From -120°C up to +1100°C

Lightweight, very flexible hose designed to transfer hot air, exhaust fumes and other emissions. Good resistance to oils and UV, flammability, silicone-free and halogen-free. Limited ability to constant bending. Widely used in metallurgical, automotive, aircraft and shipbuilding industry. Intended for vacuum only. A version with stainless steel wire helix is also available (from 80 mm diameter)

code	I.D. [mm]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
TS-GRIP1100-075	75	0.31	45	1.10	2 ÷ 10
TS-GRIP1100-080	80	0.28	48	1.20	2 ÷ 10
TS-GRIP1100-090	90	0.25	54	1.20	2 ÷ 10
TS-GRIP1100-100	100	0.2	60	1.20	2 ÷ 10
TS-GRIP1100-110	110	0.17	66	1.30	2 ÷ 10
TS-GRIP1100-120	120	0.14	72	1.30	2 ÷ 10
TS-GRIP1100-125	125	0.13	75	1.50	2 ÷ 10
TS-GRIP1100-130	130	0.12	78	1.50	2 ÷ 10
TS-GRIP1100-140	140	0.11	84	1.50	2 ÷ 10
TS-GRIP1100-150	150	0.09	90	1.70	2 ÷ 10
TS-GRIP1100-160	160	0.08	96	1.70	2 ÷ 10
TS-GRIP1100-170	170	0.07	102	1.70	2 ÷ 10
TS-GRIP1100-175	175	0.07	105	2.00	2 ÷ 10
TS-GRIP1100-180	180	0.06	108	2.00	2 ÷ 10
TS-GRIP1100-200	200	0.05	120	2.20	2 ÷ 10
TS-GRIP1100-215	215	0.05	129	2.40	2 ÷ 10
TS-GRIP1100-225	225	0.04	135	2.70	2 ÷ 10
TS-GRIP1100-250	250	0.04	175	3.00	2 ÷ 10
TS-GRIP1100-275	275	0.03	193	3.50	2 ÷ 10
TS-GRIP1100-300	300	0.02	210	3.90	2 ÷ 10
TS-GRIP1100-315	315	0.02	221	4.00	2 ÷ 10
TS-GRIP1100-325	325	0.02	228	4.20	2 ÷ 10
TS-GRIP1100-350	350	0.018	245	4.60	2 ÷ 10
TS-GRIP1100-375	375	0.016	263	5.40	2 ÷ 10
TS-GRIP1100-400	400	0.014	280	5.80	2 ÷ 10
TS-GRIP1100-450	450	0.011	360	6.70	2 ÷ 10
TS-GRIP1100-500	500	0.009	400	7.60	2 ÷ 10
TS-GRIP1100-600	600	0.006	480	9.60	2 ÷ 10
TS-GRIP1100-700	700	0.005	560	11.10	2 ÷ 10
TS-GRIP1100-800	800	0.004	640	12.80	2 ÷ 10
TS-GRIP1100-900	900	0.003	720	14.50	2 ÷ 10

# INDUSTRIAL HOSES - ducting and ventilation

## Chemical resistant hoses



### PVC SE-V

**Material:** Yellow PVC impregnated polyester fabric  
**Reinforcement:** External steel wire helix and steel wear strip  
**Working temp.:** From -20°C up to +70°C

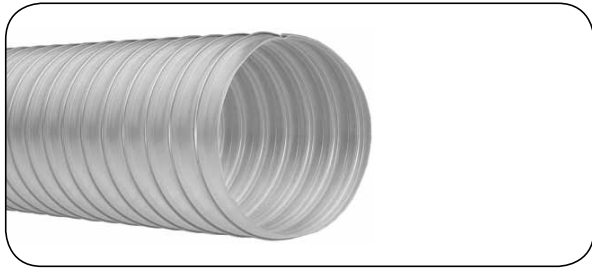
Lightweight, flexible, highly compressible hose resistant to chemicals. Flame retardant, designed for ventilation and heating systems. Other colours and a version with stainless steel wire helix is also available (from 80 mm diameter). AS version - antistatic ( $R < 10^8 \Omega$ ), colour: black.

code	I.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
TS-PVCSEV-050	50	0.9	0.32	30	0.40	2 ÷ 10
TS-PVCSEV-060	60	0.78	0.222	36	0.50	2 ÷ 10
TS-PVCSEV-065	65	0.68	0.19	39	0.50	2 ÷ 10
TS-PVCSEV-070	70	0.67	0.16	42	0.50	2 ÷ 10
TS-PVCSEV-075	75	0.62	0.14	45	0.60	2 ÷ 10
TS-PVCSEV-080	80	0.61	0.125	48	0.60	2 ÷ 10
TS-PVCSEV-090	90	0.56	0.1	54	0.60	2 ÷ 10
TS-PVCSEV-100	100	0.51	0.08	60	0.60	2 ÷ 10
TS-PVCSEV-110	110	0.48	0.066	66	0.70	2 ÷ 10
TS-PVCSEV-120	120	0.36	0.056	72	0.70	2 ÷ 10
TS-PVCSEV-125	125	0.33	0.05	75	0.80	2 ÷ 10
TS-PVCSEV-130	130	0.28	0.047	78	0.80	2 ÷ 10
TS-PVCSEV-140	140	0.25	0.041	84	0.80	2 ÷ 10
TS-PVCSEV-150	150	0.22	0.036	90	0.90	2 ÷ 10
TS-PVCSEV-160	160	0.21	0.031	96	0.90	2 ÷ 10
TS-PVCSEV-170	170	0.19	0.028	102	0.90	2 ÷ 10
TS-PVCSEV-175	175	0.185	0.026	105	1.00	2 ÷ 10
TS-PVCSEV-180	180	0.172	0.025	108	1.00	2 ÷ 10
TS-PVCSEV-200	200	0.148	0.02	120	1.20	2 ÷ 10
TS-PVCSEV-215	215	0.128	0.018	129	1.30	2 ÷ 10
TS-PVCSEV-225	225	0.115	0.016	135	1.40	2 ÷ 10
TS-PVCSEV-250	250	0.1	0.013	175	1.60	2 ÷ 10
TS-PVCSEV-275	275	0.08	0.011	193	1.90	2 ÷ 10
TS-PVCSEV-300	300	0.07	0.009	210	2.10	2 ÷ 10
TS-PVCSEV-315	315	0.062	0.008	221	2.10	2 ÷ 10
TS-PVCSEV-325	325	0.059	0.008	228	2.20	2 ÷ 10
TS-PVCSEV-350	350	0.056	0.007	245	2.50	2 ÷ 10
TS-PVCSEV-375	375	0.05	0.006	263	2.90	2 ÷ 10
TS-PVCSEV-400	400	0.047	0.005	280	3.10	2 ÷ 10
TS-PVCSEV-450	450	0.045	0.004	360	3.60	2 ÷ 10
TS-PVCSEV-500	500	0.043	0.003	400	4.10	2 ÷ 10
TS-PVCSEV-600	600	0.039	0.002	480	5.10	2 ÷ 10
TS-PVCSEV-700	700	0.031	0.002	560	6.00	2 ÷ 10
TS-PVCSEV-800	800	0.022	0.001	640	6.90	2 ÷ 10
TS-PVCSEV-900	900	0.016	0.001	720	7.80	2 ÷ 10

Code example for AS version: TS-PVCSEVAS-050

# INDUSTRIAL HOSES - ducting and ventilation

## Chemical resistant hoses



### P 2 PE

**Material:** Translucent polyethylene  
**Wall thickness:** 0.4 mm  
**Reinforcement:** Steel wire helix  
**Working temp.:** From -40°C up to +60°C

Lightweight, very flexible hose designed to transfer highly aggressive chemical fumes, solvents and gases. Mainly used in chemical industry. Other diameters available in the range of 40 ÷ 610 mm.

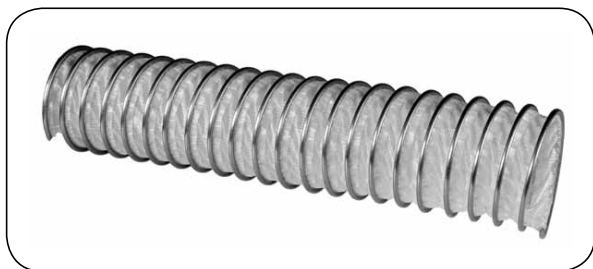
EL version - electrically conductive ( $R < 10^4 \Omega$ ) - TRBS 2153, colour: black.

code	I.D. [mm]	wire [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
SC-P2PE-050	50	1	0.4	0.16	35	0.14	10
SC-P2PE-060	60	1	0.4	0.16	42	0.17	10
SC-P2PE-070	70	1	0.3	0.12	49	0.20	10
SC-P2PE-075	75	1	0.3	0.1	53	0.21	10
SC-P2PE-080	80	1	0.3	0.1	56	0.22	10
SC-P2PE-090	90	1	0.25	0.09	63	0.25	10
SC-P2PE-100	100	1.2	0.2	0.09	70	0.28	10
SC-P2PE-110	110	1.2	0.2	0.08	78	0.32	10
SC-P2PE-120	120	1.2	0.2	0.08	85	0.35	10
SC-P2PE-125	125	1.2	0.1	0.08	85	0.35	10
SC-P2PE-130	130	1.2	0.1	0.06	92	0.38	10
SC-P2PE-140	140	1.2	0.1	0.06	99	0.41	10
SC-P2PE-150	150	1.2	0.1	0.06	100	0.43	10
SC-P2PE-160	160	1.2	0.09	0.05	113	0.51	10
SC-P2PE-170	170	2	0.09	0.05	120	0.59	10
SC-P2PE-175	175	2	0.09	0.05	123	0.71	10
SC-P2PE-180	180	2	0.08	0.05	127	0.71	10
SC-P2PE-200	200	2	0.08	0.05	140	0.81	10
SC-P2PE-250	250	2	0.05	0.04	175	1.01	10
SC-P2PE-300	300	2	0.03	0.03	210	1.22	10
SC-P2PE-350	350	2	0.02	0.02	245	1.42	10
SC-P2PE-400	400	2	0.02	0.02	280	1.62	10
SC-P2PE-450	450	2	0.01	0.01	315	1.83	10
SC-P2PE-500	500	2	0.01	0.01	350	2.03	10

Code example for EL version: SC-P2PEEL-040

# INDUSTRIAL HOSES - ducting and ventilation

## Chemical resistant hoses



### GRIPFLEX PE

**Material:** Polyethylene  
**Reinforcement:** External steel wire helix and steel wear strip  
**Working temp.:** From -40°C up to +85°C

Lightweight, flexible hose designed to transfer aggressive chemical fumes and gases. Used in chemical industry. A version with stainless steel wire helix is also available (from 80 mm diameter)

code	I.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
TS-PE-050	50	0.9	0.4	30	0.40	2 ÷ 10
TS-PE-060	60	0.78	0.28	36	0.50	2 ÷ 10
TS-PE-065	65	0.68	0.24	39	0.50	2 ÷ 10
TS-PE-070	70	0.67	0.21	42	0.50	2 ÷ 10
TS-PE-075	75	0.62	0.18	45	0.50	2 ÷ 10
TS-PE-080	80	0.61	0.16	48	0.60	2 ÷ 10
TS-PE-090	90	0.56	0.12	54	0.60	2 ÷ 10
TS-PE-100	100	0.51	0.1	60	0.60	2 ÷ 10
TS-PE-110	110	0.48	0.08	66	0.60	2 ÷ 10
TS-PE-120	120	0.36	0.07	72	0.60	2 ÷ 10
TS-PE-125	125	0.33	0.06	75	0.70	2 ÷ 10
TS-PE-130	130	0.28	0.06	78	0.70	2 ÷ 10
TS-PE-140	140	0.25	0.05	84	0.70	2 ÷ 10
TS-PE-150	150	0.22	0.04	90	0.80	2 ÷ 10
TS-PE-160	160	0.21	0.04	96	0.80	2 ÷ 10
TS-PE-170	170	0.19	0.04	102	0.80	2 ÷ 10
TS-PE-175	175	0.185	0.03	105	0.90	2 ÷ 10
TS-PE-180	180	0.17	0.03	108	0.90	2 ÷ 10
TS-PE-200	200	0.15	0.02	120	1.00	2 ÷ 10
TS-PE-215	215	1.13	0.02	129	1.10	2 ÷ 10
TS-PE-225	225	0.12	0.02	135	1.10	2 ÷ 10
TS-PE-250	250	0.1	0.02	175	1.30	2 ÷ 10
TS-PE-275	275	0.08	0.01	193	1.40	2 ÷ 10
TS-PE-300	300	0.08	0.01	210	1.50	2 ÷ 10
TS-PE-315	315	0.06	0.01	221	1.60	2 ÷ 10
TS-PE-325	325	0.06	0.01	228	1.70	2 ÷ 10
TS-PE-350	350	0.05	0.008	245	1.90	2 ÷ 10
TS-PE-375	375	0.05	0.007	263	2.20	2 ÷ 10
TS-PE-400	400	0.05	0.006	280	2.40	2 ÷ 10
TS-PE-450	450	0.04	0.005	360	2.70	2 ÷ 10
TS-PE-500	500	0.04	0.004	400	3.10	2 ÷ 10
TS-PE-600	600	0.04	0.003	480	3.90	2 ÷ 10
TS-PE-700	700	0.03	0.002	560	4.50	2 ÷ 10
TS-PE-800	800	0.02	0.002	640	5.20	2 ÷ 10
TS-PE-900	900	0.02	0.001	720	6.00	2 ÷ 10

# INDUSTRIAL HOSES - ducting and ventilation

## Chemical resistant hoses



### P 2 PP

**Material:** Black polypropylene  
**Wall thickness:** 0.4 mm  
**Reinforcement:** Steel wire helix  
**Working temp.:** From -20°C up to +100°C

Lightweight, very flexible hose of good chemical and UV radiation resistance; halogen-free. Designed to remove air, fumes and gases. Used in ventilation and air-conditioning systems in automotive industry. Other diameters available in the range of 30 ÷ 610 mm.

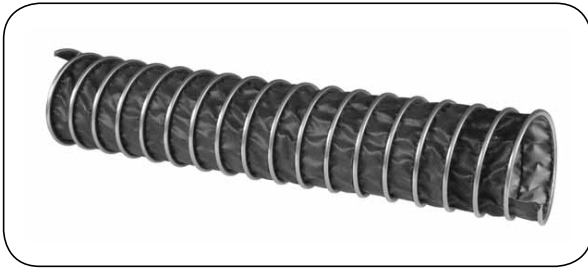
SE version - flame retardant, compliant with DIN 4102 B1.

code	I.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
SC-P2PP-040	40	0.4	0.18	28	0.19	10
SC-P2PP-050	50	0.35	0.15	35	0.24	10
SC-P2PP-060	60	0.35	0.14	42	0.29	10
SC-P2PP-070	70	0.3	0.12	49	0.34	10
SC-P2PP-080	80	0.25	0.09	56	0.39	10
SC-P2PP-100	100	0.2	0.08	70	0.50	10
SC-P2PP-120	120	0.2	0.07	85	0.60	10
SC-P2PP-125	125	0.15	0.06	88	0.62	10
SC-P2PP-140	140	0.1	0.06	95	0.70	10
SC-P2PP-150	150	0.08	0.05	105	0.73	10
SC-P2PP-175	175	0.06	0.04	123	0.81	10
SC-P2PP-200	200	0.05	0.03	140	0.99	10
SC-P2PP-250	250	0.04	0.03	175	1.23	10
SC-P2PP-300	300	0.032	0.02	210	1.49	10

Code example for SE version: SC-P2PPSE-040

# INDUSTRIAL HOSES - ducting and ventilation

## Chemical resistant hoses



### GRIPFLEX HYPALON

**Material:** Hypalon impregnated polyester fabric  
**Reinforcement:** External steel wire helix and steel wear strip  
**Working temp.:** From -40°C up to +175°C (with peaks up to +190°C)

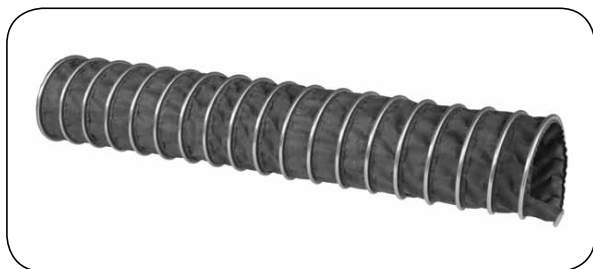
Flexible hose designed to remove air, chemically aggressive fumes, exhaust fumes and gases in ventilation and heating systems. Flame retardant, resistant to UV radiation, ozone and weather conditions. Used in chemical industry. A version with stainless steel wire helix is also available (from 80 mm diameter)

code	I.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
TS-HYPALON-050	50	0.9	0.4	30	0.40	2 ÷ 10
TS-HYPALON-060	60	0.78	0.278	36	0.50	2 ÷ 10
TS-HYPALON-065	65	0.68	0.237	39	0.50	2 ÷ 10
TS-HYPALON-070	70	0.67	0.204	42	0.50	2 ÷ 10
TS-HYPALON-075	75	0.62	0.178	45	0.60	2 ÷ 10
TS-HYPALON-080	80	0.61	0.156	48	0.60	2 ÷ 10
TS-HYPALON-090	90	0.56	0.123	54	0.60	2 ÷ 10
TS-HYPALON-100	100	0.51	0.1	60	0.60	2 ÷ 10
TS-HYPALON-110	110	0.48	0.083	66	0.70	2 ÷ 10
TS-HYPALON-120	120	0.36	0.07	72	0.70	2 ÷ 10
TS-HYPALON-125	125	0.33	0.064	75	0.80	2 ÷ 10
TS-HYPALON-130	130	0.28	0.059	78	0.80	2 ÷ 10
TS-HYPALON-140	140	0.25	0.051	84	0.80	2 ÷ 10
TS-HYPALON-150	150	0.22	0.044	90	0.90	2 ÷ 10
TS-HYPALON-160	160	0.21	0.039	96	0.90	2 ÷ 10
TS-HYPALON-170	170	0.19	0.035	102	0.90	2 ÷ 10
TS-HYPALON-175	175	0.185	0.033	105	1.00	2 ÷ 10
TS-HYPALON-180	180	0.172	0.031	108	1.00	2 ÷ 10
TS-HYPALON-200	200	0.148	0.025	120	1.20	2 ÷ 10
TS-HYPALON-215	215	0.128	0.022	129	1.30	2 ÷ 10
TS-HYPALON-225	225	0.115	0.02	135	1.40	2 ÷ 10
TS-HYPALON-250	250	0.1	0.016	175	1.60	2 ÷ 10
TS-HYPALON-275	275	0.08	0.013	193	1.90	2 ÷ 10
TS-HYPALON-300	300	0.07	0.011	210	2.10	2 ÷ 10
TS-HYPALON-315	315	0.062	0.01	221	2.10	2 ÷ 10
TS-HYPALON-325	325	0.059	0.01	228	2.20	2 ÷ 10
TS-HYPALON-350	350	0.056	0.008	245	2.50	2 ÷ 10
TS-HYPALON-375	375	0.05	0.007	263	2.90	2 ÷ 10
TS-HYPALON-400	400	0.047	0.006	280	3.10	2 ÷ 10
TS-HYPALON-450	450	0.045	0.005	360	3.60	2 ÷ 10
TS-HYPALON-500	500	0.043	0.004	400	4.10	2 ÷ 10
TS-HYPALON-600	600	0.039	0.003	480	5.10	2 ÷ 10
TS-HYPALON-700	700	0.031	0.002	560	6.00	2 ÷ 10
TS-HYPALON-800	800	0.022	0.002	640	6.90	2 ÷ 10
TS-HYPALON-900	900	0.016	0.001	720	7.80	2 ÷ 10



# INDUSTRIAL HOSES - ducting and ventilation

## Chemical resistant hoses



### GRIPFLEX VITON

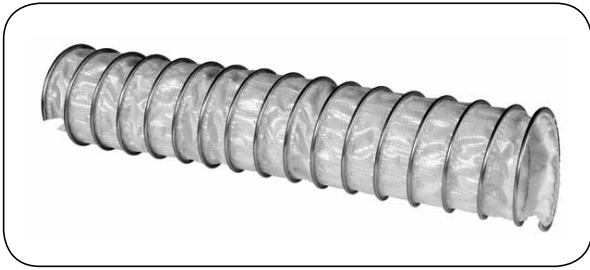
**Material:** Viton impregnated polyester fabric  
**Reinforcement:** External steel wire helix and steel wear strip  
**Working temp.:** From -25°C up to +210°C

Flexible hose designed to remove chemically aggressive fumes and gases. Resistant to chemicals, UV radiation and ozone. Used in varnish, chemical and paper making industry. A version with stainless steel wire helix is also available (from 80 mm diameter)

code	I.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
TS-VITON-050	50	0.9	0.4	30	0.40	2 ÷ 10
TS-VITON-060	60	0.78	0.278	36	0.50	2 ÷ 10
TS-VITON-065	65	0.68	0.237	39	0.50	2 ÷ 10
TS-VITON-070	70	0.67	0.204	42	0.50	2 ÷ 10
TS-VITON-075	75	0.62	0.178	45	0.60	2 ÷ 10
TS-VITON-080	80	0.61	0.156	48	0.60	2 ÷ 10
TS-VITON-090	90	0.56	0.123	54	0.60	2 ÷ 10
TS-VITON-100	100	0.51	0.1	60	0.60	2 ÷ 10
TS-VITON-110	110	0.48	0.083	66	0.70	2 ÷ 10
TS-VITON-120	120	0.36	0.07	72	0.70	2 ÷ 10
TS-VITON-125	125	0.33	0.064	75	0.80	2 ÷ 10
TS-VITON-130	130	0.28	0.059	78	0.80	2 ÷ 10
TS-VITON-140	140	0.25	0.051	84	0.80	2 ÷ 10
TS-VITON-150	150	0.22	0.044	90	0.90	2 ÷ 10
TS-VITON-160	160	0.21	0.039	96	0.90	2 ÷ 10
TS-VITON-170	170	0.19	0.035	102	0.90	2 ÷ 10
TS-VITON-175	175	0.185	0.033	105	1.00	2 ÷ 10
TS-VITON-180	180	0.172	0.031	108	1.00	2 ÷ 10
TS-VITON-200	200	0.148	0.025	120	1.20	2 ÷ 10
TS-VITON-215	215	0.128	0.022	129	1.30	2 ÷ 10
TS-VITON-225	225	0.115	0.02	135	1.40	2 ÷ 10
TS-VITON-250	250	0.1	0.016	175	1.60	2 ÷ 10
TS-VITON-275	275	0.08	0.013	193	1.90	2 ÷ 10
TS-VITON-300	300	0.07	0.011	210	2.10	2 ÷ 10
TS-VITON-315	315	0.062	0.01	221	2.10	2 ÷ 10
TS-VITON-325	325	0.059	0.01	228	2.20	2 ÷ 10
TS-VITON-350	350	0.056	0.008	245	2.50	2 ÷ 10
TS-VITON-375	375	0.05	0.007	263	2.90	2 ÷ 10
TS-VITON-400	400	0.047	0.006	280	3.10	2 ÷ 10
TS-VITON-450	450	0.045	0.005	360	3.60	2 ÷ 10
TS-VITON-500	500	0.043	0.004	400	4.10	2 ÷ 10
TS-VITON-600	600	0.039	0.003	480	5.10	2 ÷ 10
TS-VITON-700	700	0.031	0.002	560	6.00	2 ÷ 10
TS-VITON-800	800	0.022	0.002	640	6.90	2 ÷ 10
TS-VITON-900	900	0.016	0.001	720	7.80	2 ÷ 10

# INDUSTRIAL HOSES - ducting and ventilation

## Chemical resistant hoses



### GRIPFLEX PETEF

**Material:** PTFE film  
**Cover:** Polyethylene  
**Reinforcement:** External steel wire helix and steel wear strip  
**Working temp.:** From -40°C up to +80°C

Flexible hose designed to remove chemically aggressive fumes, exhaust fumes and gases. Resistant to chemicals, UV radiation and ozone. Widely used in chemical and food industry.

A version with the internal layer of white PTFE film compliant with FDA. A version with stainless steel wire helix is also available (from 80 mm diameter)

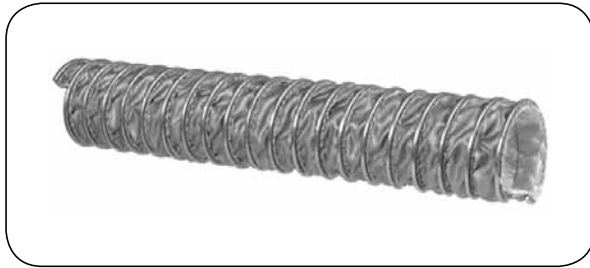
EL version - electrically conductive ( $R < 10^4 \Omega$ ), black PTFE film.

code	I.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
TS-PETEF-050	50	0.85	0.32	30	0.40	2 ÷ 10
TS-PETEF-060	60	0.68	0.22	36	0.50	2 ÷ 10
TS-PETEF-065	65	0.59	0.19	39	0.50	2 ÷ 10
TS-PETEF-070	70	0.53	0.16	42	0.50	2 ÷ 10
TS-PETEF-075	75	0.47	0.14	45	0.60	2 ÷ 10
TS-PETEF-080	80	0.43	0.125	48	0.60	2 ÷ 10
TS-PETEF-090	90	0.355	0.1	54	0.60	2 ÷ 10
TS-PETEF-100	100	0.3	0.08	60	0.60	2 ÷ 10
TS-PETEF-110	110	0.258	0.066	66	0.70	2 ÷ 10
TS-PETEF-120	120	0.224	0.056	72	0.70	2 ÷ 10
TS-PETEF-125	125	0.21	0.05	75	0.80	2 ÷ 10
TS-PETEF-130	130	0.197	0.047	78	0.80	2 ÷ 10
TS-PETEF-140	140	0.14	0.041	84	0.80	2 ÷ 10
TS-PETEF-150	150	0.14	0.036	90	0.90	2 ÷ 10
TS-PETEF-160	160	0.14	0.031	96	0.90	2 ÷ 10
TS-PETEF-170	170	0.128	0.028	102	0.90	2 ÷ 10
TS-PETEF-175	175	0.123	0.026	105	1.00	2 ÷ 10
TS-PETEF-180	180	0.117	0.025	108	1.00	2 ÷ 10
TS-PETEF-200	200	0.1	0.02	120	1.20	2 ÷ 10
TS-PETEF-215	215	0.09	0.018	129	1.30	2 ÷ 10
TS-PETEF-225	225	0.08	0.016	135	1.40	2 ÷ 10
TS-PETEF-250	250	0.07	0.013	175	1.60	2 ÷ 10
TS-PETEF-275	275	0.06	0.011	193	1.90	2 ÷ 10
TS-PETEF-300	300	0.05	0.009	210	2.10	2 ÷ 10
TS-PETEF-315	315	0.05	0.008	221	2.10	2 ÷ 10
TS-PETEF-325	325	0.05	0.008	228	2.20	2 ÷ 10
TS-PETEF-350	350	0.04	0.007	245	2.50	2 ÷ 10
TS-PETEF-375	375	0.04	0.006	263	2.90	2 ÷ 10
TS-PETEF-400	400	0.03	0.005	280	3.10	2 ÷ 10
TS-PETEF-450	450	0.03	0.004	360	3.60	2 ÷ 10
TS-PETEF-500	500	0.02	0.003	400	4.10	2 ÷ 10
TS-PETEF-600	600	0.02	0.002	480	5.10	2 ÷ 10
TS-PETEF-700	700	0.01	0.002	560	6.00	2 ÷ 10
TS-PETEF-800	800	0.01	0.001	640	6.90	2 ÷ 10
TS-PETEF-900	900	0.01	0.001	720	7.80	2 ÷ 10

Code example for EL version: TS-PETEFEL-050

# INDUSTRIAL HOSES - ducting and ventilation

## Chemical resistant hoses



### GRIPFLEX HYTEF

**Internal layer:** PTFE-film  
**Cover:** Hypalon-coated polyester fabric  
**Reinforcement:** External steel wire helix  
 + steel wear strip  
**Working temp.:** From -40°C up to +175°C  
 (with peaks up to +190°C)

Lightweight, very flexible hose designed to transfer chemically aggressive fumes and gases. Flame retardant, resistant to UV radiation, ozone and weather conditions. Widely used in paper making, pharmaceutical and chemical industry. A version with the internal layer of white PTFE film compliant with FDA. A version with stainless steel wire helix is also available (from 80 mm diameter)

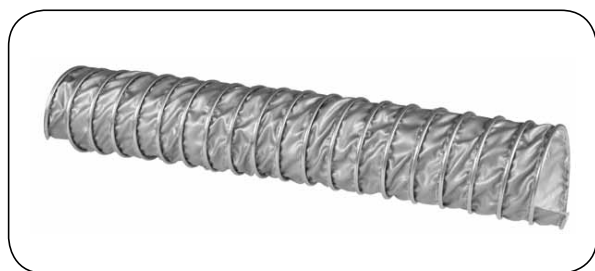
EL version - electrically conductive ( $R < 10^4 \Omega$ ), black PTFE film.

code	I.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
TS-HYTEF-050	50	0.9	0.4	30	0.40	2 ÷ 10
TS-HYTEF-060	60	0.78	0.278	36	0.50	2 ÷ 10
TS-HYTEF-065	65	0.68	0.237	39	0.50	2 ÷ 10
TS-HYTEF-070	70	0.67	0.204	42	0.50	2 ÷ 10
TS-HYTEF-075	75	0.62	0.178	45	0.60	2 ÷ 10
TS-HYTEF-080	80	0.61	0.156	48	0.60	2 ÷ 10
TS-HYTEF-090	90	0.56	0.123	54	0.60	2 ÷ 10
TS-HYTEF-100	100	0.51	0.1	60	0.60	2 ÷ 10
TS-HYTEF-110	110	0.48	0.083	66	0.70	2 ÷ 10
TS-HYTEF-120	120	0.36	0.07	72	0.70	2 ÷ 10
TS-HYTEF-125	125	0.33	0.064	75	0.80	2 ÷ 10
TS-HYTEF-130	130	0.28	0.059	78	0.80	2 ÷ 10
TS-HYTEF-140	140	0.25	0.051	84	0.80	2 ÷ 10
TS-HYTEF-150	150	0.22	0.044	90	0.90	2 ÷ 10
TS-HYTEF-160	160	0.21	0.039	96	0.90	2 ÷ 10
TS-HYTEF-170	170	0.19	0.035	102	0.90	2 ÷ 10
TS-HYTEF-175	175	0.185	0.033	105	1.00	2 ÷ 10
TS-HYTEF-180	180	0.172	0.031	108	1.00	2 ÷ 10
TS-HYTEF-200	200	0.148	0.025	120	1.20	2 ÷ 10
TS-HYTEF-215	215	0.128	0.022	129	1.30	2 ÷ 10
TS-HYTEF-225	225	0.115	0.02	135	1.40	2 ÷ 10
TS-HYTEF-250	250	0.1	0.016	175	1.60	2 ÷ 10
TS-HYTEF-275	275	0.08	0.013	193	1.90	2 ÷ 10
TS-HYTEF-300	300	0.07	0.011	210	2.10	2 ÷ 10
TS-HYTEF-315	315	0.062	0.01	221	2.10	2 ÷ 10
TS-HYTEF-325	325	0.059	0.01	228	2.20	2 ÷ 10
TS-HYTEF-350	350	0.056	0.008	245	2.50	2 ÷ 10
TS-HYTEF-375	375	0.05	0.007	263	2.90	2 ÷ 10
TS-HYTEF-400	400	0.047	0.006	280	3.10	2 ÷ 10
TS-HYTEF-450	450	0.045	0.005	360	3.60	2 ÷ 10
TS-HYTEF-500	500	0.043	0.004	400	4.10	2 ÷ 10
TS-HYTEF-600	600	0.039	0.003	480	5.10	2 ÷ 10
TS-HYTEF-700	700	0.031	0.002	560	6.00	2 ÷ 10
TS-HYTEF-800	800	0.022	0.002	640	6.90	2 ÷ 10
TS-HYTEF-900	900	0.016	0.001	720	7.80	2 ÷ 10

Code example for EL version: TS-HYTEFEL-050

# INDUSTRIAL HOSES - ducting and ventilation

## Chemical resistant hoses



### GRIPFLEX SILTEF

**Material:** PTFE film  
**Cover:** Silicone impregnated fibreglass fabric  
**Reinforcement:** External steel wire helix + steel wear strip  
**Working temp.:** From -70°C up to +250°C

Flexible hose designed to remove chemically aggressive fumes, exhaust fumes and gases. Flame retardant, resistant to weather conditions. Widely used in chemical and food industry. A version with the internal layer of white PTFE film compliant with FDA. A version with stainless steel wire helix is also available (from 80 mm diameter) EL version - electrically conductive ( $R < 10^4 \Omega$ ), black PTFE film.

code	I.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
TS-SILTEF-050	50	0.9	0.44	30	0.50	2 ÷ 10
TS-SILTEF-060	60	0.78	0.306	36	0.60	2 ÷ 10
TS-SILTEF-065	65	0.68	0.261	39	0.70	2 ÷ 10
TS-SILTEF-070	70	0.67	0.225	42	0.70	2 ÷ 10
TS-SILTEF-075	75	0.62	0.196	45	0.80	2 ÷ 10
TS-SILTEF-080	80	0.61	0.172	48	0.80	2 ÷ 10
TS-SILTEF-090	90	0.56	0.136	54	0.90	2 ÷ 10
TS-SILTEF-100	100	0.51	0.11	60	1.00	2 ÷ 10
TS-SILTEF-110	110	0.48	0.092	66	1.10	2 ÷ 10
TS-SILTEF-120	120	0.36	0.077	72	1.10	2 ÷ 10
TS-SILTEF-125	125	0.33	0.071	75	1.20	2 ÷ 10
TS-SILTEF-130	130	0.28	0.065	78	1.20	2 ÷ 10
TS-SILTEF-140	140	0.25	0.057	84	1.30	2 ÷ 10
TS-SILTEF-150	150	0.22	0.049	90	1.30	2 ÷ 10
TS-SILTEF-160	160	0.21	0.043	96	1.30	2 ÷ 10
TS-SILTEF-170	170	0.19	0.039	102	1.40	2 ÷ 10
TS-SILTEF-175	175	0.185	0.037	105	1.40	2 ÷ 10
TS-SILTEF-180	180	0.172	0.035	108	1.40	2 ÷ 10
TS-SILTEF-200	200	0.148	0.028	120	1.60	2 ÷ 10
TS-SILTEF-215	215	0.128	0.025	129	1.80	2 ÷ 10
TS-SILTEF-225	225	0.115	0.022	135	2.00	2 ÷ 10
TS-SILTEF-250	250	0.1	0.018	175	2.10	2 ÷ 10
TS-SILTEF-275	275	0.08	0.015	193	2.30	2 ÷ 10
TS-SILTEF-300	300	0.07	0.013	210	2.40	2 ÷ 10
TS-SILTEF-315	315	0.062	0.011	221	2.60	2 ÷ 10
TS-SILTEF-325	325	0.059	0.011	228	2.80	2 ÷ 10
TS-SILTEF-350	350	0.056	0.009	245	3.30	2 ÷ 10
TS-SILTEF-375	375	0.05	0.008	263	3.50	2 ÷ 10
TS-SILTEF-400	400	0.047	0.007	280	3.80	2 ÷ 10
TS-SILTEF-450	450	0.045	0.006	360	4.20	2 ÷ 10
TS-SILTEF-500	500	0.043	0.005	400	4.70	2 ÷ 10
TS-SILTEF-600	600	0.039	0.003	480	5.90	2 ÷ 10
TS-SILTEF-700	700	0.031	0.002	560	6.90	2 ÷ 10
TS-SILTEF-800	800	0.022	0.002	640	7.60	2 ÷ 10
TS-SILTEF-900	900	0.016	0.001	720	8.20	2 ÷ 10

Code example for EL version: TS-SILTEFEL-050

# INDUSTRIAL HOSES - ducting and ventilation

## Chemical resistant hoses



### TEFLON CL

**Material:** Brown, PTFE-coated fibreglass fabric  
**Wall thickness:** 0.12 mm (0.15 mm for EL version)  
**Reinforcement:** Steel wire helix, steel wear strip  
**Working temp.:** From -150°C up to +250°C

Lightweight, very flexible hose designed to transfer chemically aggressive fumes and gases. A version with stainless steel wire helix is also available. Other diameters available in the range of 50 ÷ 508 mm. EL version - electrically conductive ( $R < 10^6 \Omega$ ), colour: black.

code	I.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
SC-TEFLON-050	50	0.85	0.32	30	0.40	3 or 6
SC-TEFLON-060	60	0.68	0.22	36	0.50	3 or 6
SC-TEFLON-076	76	0.47	0.14	45	0.60	3 or 6
SC-TEFLON-080	80	0.43	0.12	48	0.63	3 or 6
SC-TEFLON-102	102	0.3	0.08	60	0.65	3 or 6
SC-TEFLON-110	110	0.25	0.07	66	0.70	3 or 6
SC-TEFLON-120	120	0.22	0.06	72	0.72	3 or 6
SC-TEFLON-127	127	0.21	0.05	76	0.80	3 or 6
SC-TEFLON-152	152	0.16	0.04	90	0.90	3 or 6
SC-TEFLON-160	160	0.14	0.03	96	0.94	3 or 6
SC-TEFLON-180	180	0.12	0.02	108	1.05	3 or 6
SC-TEFLON-203	203	0.1	0.02	120	1.21	3 or 6
SC-TEFLON-254	254	0.07	0.01	175	1.70	3 or 6
SC-TEFLON-305	305	0.05	0.01	210	2.13	3 or 6
SC-TEFLON-350	350	0.04	0.01	245	2.30	3 or 6
SC-TEFLON-407	407	0.03	0.01	280	2.90	3 or 6
SC-TEFLON-508	508	0.02	0.01	400	3.90	3 or 6

# INDUSTRIAL HOSES - ducting and ventilation

## Chemical resistant hoses



### P 2 SP

**Material:** Black TPE-coated polyester fabric  
**Wall thickness:** 0.4 mm  
**Reinforcement:** Steel wire helix  
**Working temp.:** From -40°C up to +150°C

Lightweight, very flexible hose designed to transfer fumes of acids and solvents at high temperatures. Resistant to UV and ozone. Other diameters available in the range of 13 ÷ 800 mm.  
 SE version - flame retardant, compliant with DIN 4102 B1.

code	I.D. [mm]	wire [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
SC-P2SP-020	20	1	0.45	0.25	20	0.08	10
SC-P2SP-025	25	1	0.45	0.2	25	0.09	10
SC-P2SP-030	30	1	0.4	0.2	30	0.14	10
SC-P2SP-040	40	1	0.35	0.15	40	0.16	10
SC-P2SP-050	50	1.2	0.35	0.1	50	0.21	10
SC-P2SP-060	60	1.2	0.35	0.08	60	0.25	10
SC-P2SP-070	70	1.2	0.3	0.08	70	0.29	10
SC-P2SP-075	75	1.2	0.2	0.07	75	0.31	10
SC-P2SP-080	80	1.2	0.2	0.06	80	0.33	10
SC-P2SP-090	90	1.2	0.2	0.06	90	0.38	10
SC-P2SP-100	100	1.6	0.15	0.05	100	0.56	10
SC-P2SP-120	120	1.6	0.15	0.04	120	0.57	10
SC-P2SP-125	125	1.6	0.13	0.04	125	0.70	10
SC-P2SP-140	140	1.6	0.12	0.04	125	0.73	10
SC-P2SP-150	150	1.6	0.11	0.04	150	0.68	10
SC-P2SP-175	175	1.6	0.09	0.03	175	0.82	10
SC-P2SP-200	200	2	0.08	0.02	200	1.28	10
SC-P2SP-225	225	2	0.07	0.02	225	1.44	10
SC-P2SP-250	250	2	0.07	0.02	250	1.60	10
SC-P2SP-275	275	2	0.06	0.02	275	1.22	10
SC-P2SP-300	300	2	0.05	0.01	300	1.33	10
SC-P2SP-325	325	2	0.05	0.01	325	1.44	10
SC-P2SP-350	350	2	0.04	0.01	350	1.55	10
SC-P2SP-400	400	2	0.04	0.01	400	1.77	10
SC-P2SP-450	450	2	0.03	0.01	450	1.99	10
SC-P2SP-500	500	2	0.03	0.01	500	2.21	10

Code example for SE version: SC-P2SPSE-020

# INDUSTRIAL HOSES - ducting and ventilation

## Chemical resistant hoses



### P 2 HL

**Material:** Black PVC-coated polyester fabric  
**Wall thickness:** 0.4 mm  
**Reinforcement:** Steel wire helix  
**Working temp.:** From -40°C up to +80°C

Lightweight, very flexible hose designed to transfer solvent fumes and dust in explosion-endangered areas. Used for vacuum transport of light granules. Antistatic -  $R < 10^8 \Omega$  according to TRBS 2153. Other diameters available in the range of 19 ÷ 800 mm.

code	I.D. [mm]	wire [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
SC-P2HL-020	20	1.2	2.1	0.35	20	0.10	10
SC-P2HL-025	25	1.2	2	0.35	25	0.12	10
SC-P2HL-030	30	1.2	1.8	0.32	30	0.13	10
SC-P2HL-040	40	1.2	1.5	0.3	40	0.19	10
SC-P2HL-050	50	1.2	1.2	0.25	50	0.24	10
SC-P2HL-060	60	1.2	1	0.20	60	0.29	10
SC-P2HL-070	70	1.2	0.9	0.18	70	0.34	10
SC-P2HL-075	75	1.2	0.85	0.12	75	0.36	10
SC-P2HL-080	80	1.2	0.8	0.10	80	0.38	10
SC-P2HL-090	90	1.2	0.7	0.08	90	0.43	10
SC-P2HL-100	100	1.6	0.6	0.08	100	0.51	10
SC-P2HL-110	110	1.6	0.5	0.07	110	0.56	10
SC-P2HL-120	120	1.6	0.5	0.07	120	0.62	10
SC-P2HL-125	125	1.6	0.5	0.07	125	0.64	10
SC-P2HL-130	130	1.6	0.4	0.06	130	0.66	10
SC-P2HL-140	140	1.6	0.4	0.06	140	0.70	10
SC-P2HL-150	150	1.6	0.3	0.06	150	0.77	10
SC-P2HL-160	160	1.6	0.25	0.05	160	0.80	10
SC-P2HL-170	170	1.6	0.25	0.05	170	0.86	10
SC-P2HL-175	175	1.6	0.25	0.05	175	0.89	10
SC-P2HL-180	180	1.6	0.2	0.04	180	0.96	10
SC-P2HL-200	200	2	0.2	0.04	200	1.07	10
SC-P2HL-250	250	2	0.15	0.03	250	1.33	10
SC-P2HL-300	300	2	0.1	0.02	300	1.60	10
SC-P2HL-320	320	2	0.06	0.02	320	1.72	10
SC-P2HL-350	350	2	0.06	0.02	350	1.87	10
SC-P2HL-400	400	2	0.04	0.01	400	2.13	10
SC-P2HL-450	450	2	0.04	0.01	450	2.40	10
SC-P2HL-500	500	2	0.03	0.01	500	2.67	10

# INDUSTRIAL HOSES - ducting and ventilation

## Special hoses



### P-G-EX 1

**Material:** Black TPE-coated polyester fabric  
**Reinforcement:** Nylon helix, wear strip profile for abrasion resistance  
**Working temp.:** From -40°C up to +150°C (with peaks up to +170°C)

Lightweight, flexible hose designed to transfer exhaust fumes of petrol and diesel engines at high temperatures. Crush recoverable and suitable for hose reel systems. Other diameters available in the range of 35 ÷ 200 mm.

code	I.D. [mm]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
SC-PGEX1-040	40	0.65	80	0.25	5 - 7.5 - 10 - 15 - 20
SC-PGEX1-050	50	0.5	85	0.41	5 - 7.5 - 10 - 15 - 20
SC-PGEX1-065	65	0.35	100	0.53	5 - 7.5 - 10 - 15 - 20
SC-PGEX1-075	75	0.15	105	0.69	5 - 7.5 - 10 - 15 - 20
SC-PGEX1-090	90	0.12	175	0.83	5 - 7.5 - 10 - 15 - 20
SC-PGEX1-100	100	0.1	190	0.87	5 - 7.5 - 10 - 15 - 20
SC-PGEX1-125	125	0.08	250	1.20	5 - 7.5 - 10 - 15 - 20
SC-PGEX1-150	150	0.06	300	1.44	5 - 7.5 - 10 - 15 - 20
SC-PGEX1-200	200	0.04	400	1.83	5 - 7.5 - 10 - 15 - 20



### FLEXOCOND

**Material:** Black, conductive elastomer PE  
**Working temp.:** From -20°C up to +60°C

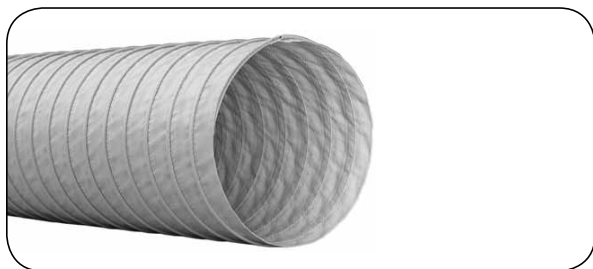
Very lightweight, very flexible, crush recoverable hose designed to remove dust, polluted air, smoke, yarn and other lightweight products. Widely used for industrial vacuum cleaners. The hose is conductive ( $R < 10^4 \Omega$ ), and thus prevents static buildup but only if properly and effectively grounded.

code	I.D. [mm]	O.D. [mm]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
ME-FLEXOCOND-25	25	32.4	0.78	38	0.16	30
ME-FLEXOCOND-32	32	40.4	0.78	63	0.21	30
ME-FLEXOCOND-38	38	48	0.69	70	0.30	30
ME-FLEXOCOND-50	50	60.5	0.59	80	0.40	30
ME-FLEXOCOND-76	76	87.5	0.39	200	0.75	15



# INDUSTRIAL HOSES - ducting and ventilation

## Special hoses



### P 2 A 1000

**Material:** Grey, PVC-coated polyester fabric  
**Wall thickness:** 0.4 mm  
**Reinforcement:** Steel wire helix  
**Working temp.:** From -30°C up to +80°C  
 (with peaks up to +100°C)

Lightweight, very flexible, self-extinguishing hose designed to remove welding fumes and for air-conditioning installations. Other diameters available in the range of 25 ÷ 800 mm.

code	I.D. [mm]	wire [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
SC-P2A1000-030	30	1	0.9	0.25	21	0.10	10
SC-P2A1000-040	40	1	0.9	0.20	28	0.11	10
SC-P2A1000-050	50	1	0.8	0.20	35	0.13	10
SC-P2A1000-060	60	1	0.8	0.16	42	0.16	10
SC-P2A1000-070	70	1	0.7	0.14	49	0.20	10
SC-P2A1000-075	75	1	0.6	0.10	53	0.22	10
SC-P2A1000-080	80	1	0.6	0.10	56	0.24	10
SC-P2A1000-090	90	1	0.5	0.09	63	0.27	10
SC-P2A1000-100	100	1.2	0.5	0.09	70	0.30	10
SC-P2A1000-120	120	1.2	0.5	0.08	85	0.35	10
SC-P2A1000-125	125	1.2	0.5	0.08	88	0.38	10
SC-P2A1000-140	140	1.2	0.35	0.06	95	0.42	10
SC-P2A1000-150	150	1.2	0.2	0.06	105	0.45	10
SC-P2A1000-175	175	2	0.2	0.05	123	0.63	10
SC-P2A1000-200	200	2	0.2	0.05	140	0.72	10
SC-P2A1000-250	250	2	0.1	0.04	175	0.90	10
SC-P2A1000-300	300	2	0.06	0.03	210	1.08	10
SC-P2A1000-350	350	2	0.05	0.02	245	1.26	10
SC-P2A1000-400	400	2	0.04	0.02	280	1.45	10
SC-P2A1000-450	450	2	0.03	0.01	315	1.63	10
SC-P2A1000-500	500	2	0.02	0.01	350	1.82	10

Other colours are also available.

Code examples:

SC-P2A1000-030BK	- black
SC-P2A1000-030Y	- yellow
SC-P2A1000-030BL	- blue
SC-P2A1000-030W	- white

# INDUSTRIAL HOSES - ducting and ventilation

## Special hoses



### OREGON

**Material:** Grey PVC

**Reinforcement:** PVC helix

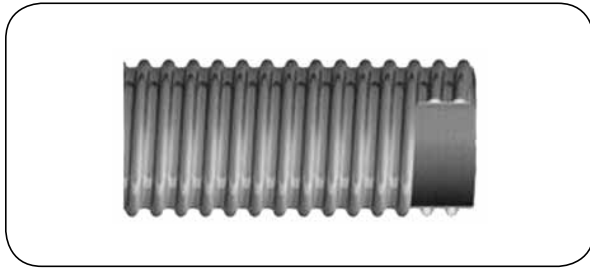
**Working temp.:** From -10°C up to +60°C

Lightweight, flexible, smooth bore hose designed for extraction of dust, yarns, polluted air, fumes, etc. Self-extinguishing according to UL 94 V2.

code	I.D. [mm]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
ME-OREGON-020	20	0.5	20	0.15	50
ME-OREGON-025	25	0.5	25	0.19	50
ME-OREGON-030	30	0.5	30	0.23	50
ME-OREGON-032	32	0.5	32	0.24	50
ME-OREGON-035	35	0.5	35	0.28	50
ME-OREGON-038	38	0.5	38	0.31	50
ME-OREGON-040	40	0.4	40	0.33	50
ME-OREGON-045	45	0.4	45	0.37	50
ME-OREGON-050	50	0.4	50	0.44	50
ME-OREGON-060	60	0.4	60	0.56	50
ME-OREGON-063	63	0.4	63	0.60	50
ME-OREGON-070	70	0.4	70	0.66	50
ME-OREGON-075	75	0.4	75	0.75	50
ME-OREGON-080	80	0.4	80	0.79	30
ME-OREGON-090	90	0.4	90	0.90	30
ME-OREGON-100	100	0.4	100	1.01	30
ME-OREGON-110	110	0.4	110	1.15	30
ME-OREGON-120	120	0.4	120	1.30	30
ME-OREGON-125	125	0.4	125	1.36	30
ME-OREGON-130	130	0.4	130	1.44	30
ME-OREGON-140	140	0.4	140	1.60	30
ME-OREGON-150	150	0.4	150	1.76	30
ME-OREGON-160	160	0.4	160	1.93	20
ME-OREGON-180	180	0.4	180	2.30	20
ME-OREGON-200	200	0.4	200	2.65	20
ME-OREGON-250	250	0.4	250	3.60	15
ME-OREGON-300	300	0.4	300	4.50	10

# INDUSTRIAL HOSES - ducting and ventilation

## Special hoses



### LIGHTFLEX

**Material:** Grey, soft PVC  
**Reinforcement:** Hard PVC helix  
**Working temp.:** From -15°C up to +50°C

Lightweight, flexible, smooth bore hose designed to extract dust, smoke, yarns, polluted air, etc. Suitable for condensation draining in air-conditioning systems as well as protection of assemblies and cables. Self-extinguishing according to UL 94 V2.

code	I.D. [mm]	O.D. [mm]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
FT-LIGHTFLEX-019	19	23.8	0.3	19	0.11	50
FT-LIGHTFLEX-025	25	30	0.3	25	0.14	50
FT-LIGHTFLEX-030	30	35.4	0.3	30	0.20	50
FT-LIGHTFLEX-032	32	37.4	0.3	32	0.22	50
FT-LIGHTFLEX-035	35	40.6	0.3	35	0.24	50
FT-LIGHTFLEX-038	38	44.2	0.3	38	0.27	50
FT-LIGHTFLEX-040	40	46.4	0.3	40	0.28	50
FT-LIGHTFLEX-050	50	57	0.3	50	0.45	50
FT-LIGHTFLEX-060	60	67.6	0.2	60	0.54	50
FT-LIGHTFLEX-063	63	70.8	0.2	63	0.57	50
FT-LIGHTFLEX-070	70	78.2	0.2	70	0.64	50
FT-LIGHTFLEX-076	76	84.4	0.2	76	0.69	50
FT-LIGHTFLEX-080	80	88.6	0.2	80	0.78	50
FT-LIGHTFLEX-090	90	99.2	0.2	90	0.93	50
FT-LIGHTFLEX-100	100	109.4	0.2	100	0.98	30
FT-LIGHTFLEX-110	110	119.8	0.1	110	1.10	30
FT-LIGHTFLEX-120	120	130	0.1	120	1.20	30
FT-LIGHTFLEX-125	125	135.2	0.1	125	1.25	30
FT-LIGHTFLEX-130	130	140.2	0.1	130	1.40	30
FT-LIGHTFLEX-140	140	150.2	0.1	140	1.50	30
FT-LIGHTFLEX-150	150	161.8	0.1	150	1.70	30

# INDUSTRIAL HOSES - ducting and ventilation

## Special hoses



### PLS

**Material:** Special PVC-coated polyester fabric  
**Wall thickness:** 0.3 mm  
**Reinforcement:** Steel wire helix  
**Working temp.:** From -20°C up to +100°C

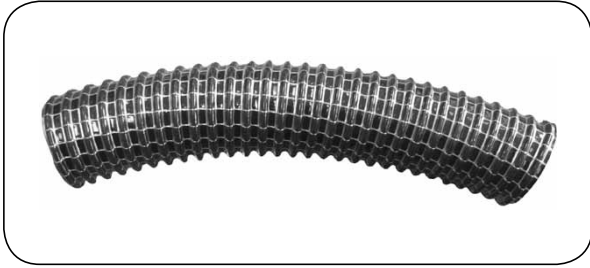
Lightweight, highly flexible, flame retardant hose designed for air-conditioning systems or hot and cold air transfer to tents and buildings. Available as a standard with soft ends (see picture above). On request supplied in different colours or with steel rope end rings that allow connection of the hose for required length with the use of coupling bands.

code*	I.D. [mm]	working pressure [bar]	bending radius [mm]	weight [kg/m]
ND-PLS-0152-...	152	0.64	152	1.10
ND-PLS-0180-...	180	0.6	180	1.16
ND-PLS-0203-...	203	0.55	203	1.20
ND-PLS-0229-...	229	0.5	229	1.28
ND-PLS-0254-...	254	0.45	254	1.35
ND-PLS-0305-...	305	0.35	305	1.44
ND-PLS-0357-...	357	0.3	357	1.83
ND-PLS-0408-...	408	0.25	408	2.05
ND-PLS-0425-...	425	0.24	425	2.76
ND-PLS-0457-...	457	0.23	457	2.97
ND-PLS-0508-...	508	0.2	508	3.30
ND-PLS-0525-...	525	0.19	525	3.94
ND-PLS-0560-...	560	0.18	560	4.20
ND-PLS-0600-...	600	0.17	600	4.50
ND-PLS-0700-...	700	0.15	700	5.60
ND-PLS-0800-...	800	0.13	800	6.80
ND-PLS-0900-...	900	0.11	900	8.40
ND-PLS-1000-...	1000	0.1	1000	10.00

\* - Code example of PLS Ø 152 mm, lgth 2.5 m: ND-PLS-0152-025

# INDUSTRIAL HOSES - ducting and ventilation

## Special hoses

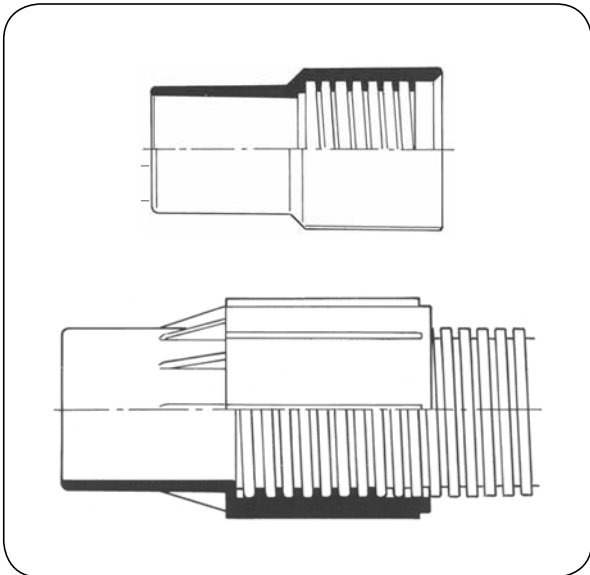


### SUPERELASTIC

**Material:** Two layers of soft PVC with polyester yarn reinforcement  
**Reinforcement:** PVC-coated steel wire helix  
**Working temp.:** From 0°C up to +85°C

Lightweight, highly flexible hose designed for extraction of dust, yarns, polluted air, fumes, etc. Widely used for domestic and industrial vacuum cleaners or as a protection hose.

code	I.D. [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
PA-SUPERELASTIC-25	25	1.7	0.4	25	0.19	15
PA-SUPERELASTIC-32	32	1.5	0.35	32	0.26	15
PA-SUPERELASTIC-38	38	1.4	0.3	38	0.32	15
PA-SUPERELASTIC-41	41	1.4	0.3	41	0.35	15
PA-SUPERELASTIC-44	44	1.3	0.28	44	0.36	15
PA-SUPERELASTIC-51	51	1.3	0.28	51	0.43	15
PA-SUPERELASTIC-63	63	1	0.25	63	0.51	15
PA-SUPERELASTIC-70	70	0.9	0.2	70	0.58	15
PA-SUPERELASTIC-76	76	0.8	0.18	76	0.66	15



### Fittings for SUPERELASTIC hose

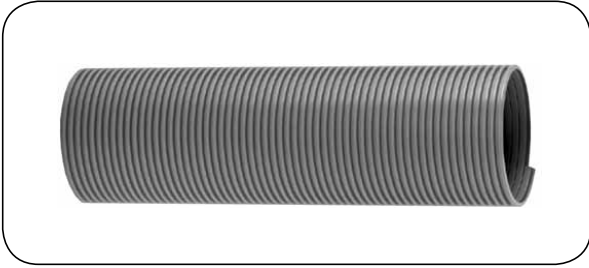
Fittings made of soft plastic designed to thread on to SUPERELASTIC hose.

code	fitting I.D. [mm]	fitting O.D. [mm]
PA-SUPERELASTIC-32K	32	38
PA-SUPERELASTIC-38K	38	45
PA-SUPERELASTIC-51K	50	58



# INDUSTRIAL HOSES - ducting and ventilation

## Special hoses



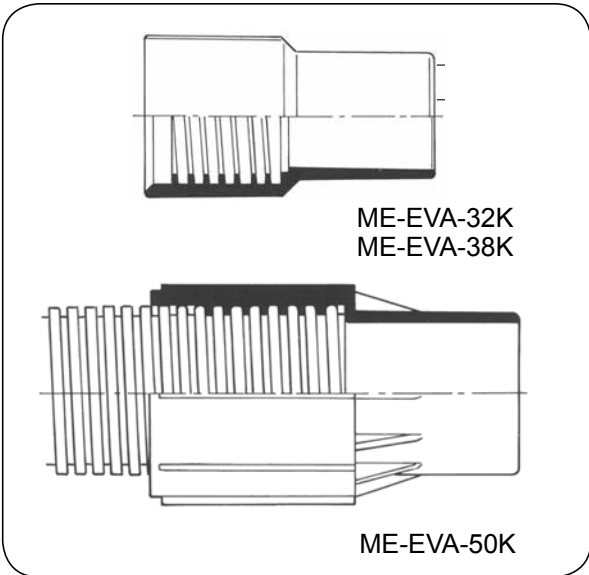
### EVA

**Material:** Ethyl-vinyl acetate

**Working temp.:** From -30°C up to +60°C

Lightweight, very flexible, crushproof and kink-resistant hose designed to extract dust, polluted air and welding fumes. Widely used in industrial vacuum cleaners.

code	I.D. [mm]	O.D. [mm]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
ME-EVA-25	25	33	0.5	66	0.20	30
ME-EVA-29	29	36	0.5	76	0.22	30
ME-EVA-32	32	41	0.5	82	0.27	30
ME-EVA-38	38	48	0.5	93	0.36	30
ME-EVA-45	45	55	0.5	111	0.47	30
ME-EVA-50	50	61	0.5	122	0.56	30
ME-EVA-60	60	72	0.4	146	0.70	30
ME-EVA-75	75	88	0.4	155	0.92	15
ME-EVA-80	80	94	0.4	170	1.00	15



### Fittings for EVA hose

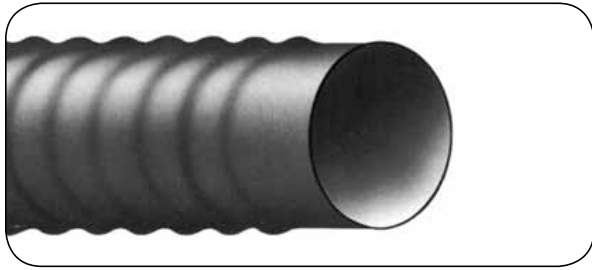
Fittings made of soft plastic designed to thread on to EVA hose.

code	fitting I.D. [mm]	fitting O.D. [mm]
ME-EVA-32K	32	38
ME-EVA-38K	38	45
ME-EVA-50K	50	58



# INDUSTRIAL HOSES - ducting and ventilation

## Special hoses



### KEHRFLEX

**Internal layer:** Corrugated NR rubber  
**Reinforcement:** Steel wire helix  
**External layer:** Corrugated NR/SBR compound  
**Working temp.:** From -30°C up to +70°C

Very lightweight, flexible suction hose designed for road-sweeping and street cleaning machines. Resistant to abrasion, weather conditions and ageing. Delivered with wire-free cuffs at each end (without wire helix).

code	I.D. [mm]	length [mm]	working pressure [bar]	bursting pressure [bar]	vacuum [bar]
BG-KEHRFLEX-203-0750	203	750	1	3	0.3
BG-KEHRFLEX-203-0800	203	800	1	3	0.3
BG-KEHRFLEX-203-1000	203	1000	1	3	0.3
BG-KEHRFLEX-203-1120	203	1120	1	3	0.3
BG-KEHRFLEX-203-1200	203	1200	1	3	0.3
BG-KEHRFLEX-203-1250	203	1250	1	3	0.3
BG-KEHRFLEX-203-2000	203	2000	1	3	0.3
BG-KEHRFLEX-203-2500	203	2500	1	3	0.3
BG-KEHRFLEX-203-3000	203	3000	1	3	0.3
BG-KEHRFLEX-203-3600	203	3600	1	3	0.3
BG-KEHRFLEX-203-3650	203	3650	1	3	0.3
BG-KEHRFLEX-203-4000	203	4000	1	3	0.3
BG-KEHRFLEX-254-1000	254	1000	1	3	0.3
BG-KEHRFLEX-254-1050	254	1050	1	3	0.3
BG-KEHRFLEX-254-1150	254	1150	1	3	0.3
BG-KEHRFLEX-254-1200	254	1200	1	3	0.3
BG-KEHRFLEX-254-1250	254	1250	1	3	0.3
BG-KEHRFLEX-254-1450	254	1450	1	3	0.3
BG-KEHRFLEX-254-1500	254	1500	1	3	0.3
BG-KEHRFLEX-254-1600	254	1600	1	3	0.3
BG-KEHRFLEX-254-1650	254	1650	1	3	0.3
BG-KEHRFLEX-254-1750	254	1750	1	3	0.3



### VACULIFT


**Material:** Neoprene-coated polyester fabric  
**Reinforcement:** Steel wire helix  
**External layer:** Orange protective tape  
**Working temp.:** From -25°C up to +125°C


Lightweight, very flexible hose designed for safe and easy vacuum lifting of several types of loads such as: barrels, bags, packages. Suitable for laying kerbs, slabs, stone plates. Maximum length when unfolded: 4 m. Diameters available in the range of 60 mm to 305 mm. Selecting a hose requires defining the maximum weight of lifted loads - contact Sales Department of TUBES INTERNATIONAL®.


# INDUSTRIAL HOSES - ducting and ventilation


## Connectors for ducting hoses

System of connectors designed to assemble ducting hoses easily and effectively using BC type worm drive bridge clamps (see chapter: HOSE CONNECTORS). A variety of shapes of the connectors allows for construction of a new installation or modernization of the old one. The connectors are made of zinc-plated steel sheet, 0.5 mm thick as a standard (aluminium and stainless steel version as an option). Custom made connectors are also available.

Straight connector		
		
<b>KN</b>		
code	DN	O.D. [mm]
KS-KN-080-OC	80	77
KS-KN-100-OC	100	97
KS-KN-125-OC	125	122
KS-KN-140-OC	140	137
KS-KN-150-OC	150	147
KS-KN-160-OC	160	157
KS-KN-180-OC	180	177
KS-KN-200-OC	200	197
KS-KN-225-OC	225	222
KS-KN-250-OC	250	247
KS-KN-280-OC	280	277
KS-KN-300-OC	300	297
KS-KN-400-OC	400	397
KS-KN-500-OC	500	497

90° elbow (R = 1.5 x d)		
		
<b>KSBB 90</b>		
code	DN	O.D. [mm]
KS-KSBB90-080-OC	80	77
KS-KSBB90-100-OC	100	97
KS-KSBB90-125-OC	125	122
KS-KSBB90-140-OC	140	137
KS-KSBB90-150-OC	150	147
KS-KSBB90-160-OC	160	157
KS-KSBB90-180-OC	180	177
KS-KSBB90-200-OC	200	197
KS-KSBB90-225-OC	225	222
KS-KSBB90-250-OC	250	247
KS-KSBB90-280-OC	280	277
KS-KSBB90-300-OC	300	297
KS-KSBB90-400-OC	400	397
KS-KSBB90-500-OC	500	497

Reduction symmetric connector		
		
<b>KRS</b>		
code	DN	O.D. [mm]
KS-KRS-100-080-OC	100/80	97/77
KS-KRS-125-100-OC	125/100	122/97
KS-KRS-150-100-OC	150/100	147/97
KS-KRS-150-125-OC	150/125	147/122
KS-KRS-180-150-OC	180/150	177/147
KS-KRS-200-150-OC	200/150	197/147
KS-KRS-200-180-OC	200/180	197/177
KS-KRS-225-200-OC	225/180	222/177
KS-KRS-250-200-OC	250/200	247/197
KS-KRS-250-225-OC	250/225	247/222
KS-KRS-280-250-OC	280/250	277/247
KS-KRS-300-250-OC	300/250	297/247
KS-KRS-300-280-OC	300/280	297/277
KS-KRS-400-300-OC	400/300	397/297
KS-KRS-500-400-OC	500/400	497/397

Reduction asymmetric connector		
		
<b>KRA</b>		
code	DN	O.D. [mm]
KS-KRA-100-080-OC	100/80	97/77
KS-KRA-125-100-OC	125/100	122/97
KS-KRA-150-100-OC	150/100	147/97
KS-KRA-150-125-OC	150/125	147/122
KS-KRA-180-150-OC	180/150	177/147
KS-KRA-200-150-OC	200/150	197/147
KS-KRA-200-180-OC	200/180	197/177
KS-KRA-225-200-OC	225/180	222/177
KS-KRA-250-200-OC	250/200	247/197
KS-KRA-250-225-OC	250/225	247/222
KS-KRA-280-250-OC	280/250	277/247
KS-KRA-300-250-OC	300/250	297/247
KS-KRA-300-280-OC	300/280	297/277
KS-KRA-400-300-OC	400/300	397/297
KS-KRA-500-400-OC	500/400	497/397



# INDUSTRIAL HOSES - ducting and ventilation

## Connectors for ducting hoses

45° elbow (R = 1.5 x d)



**KSBB 45**

code	DN	O.D. [mm]
KS-KSBB45-080-OC	80	77
KS-KSBB45-100-OC	100	97
KS-KSBB45-125-OC	125	122
KS-KSBB45-140-OC	140	137
KS-KSBB45-150-OC	150	147
KS-KSBB45-160-OC	160	157
KS-KSBB45-180-OC	180	177
KS-KSBB45-200-OC	200	197
KS-KSBB45-225-OC	225	222
KS-KSBB45-250-OC	250	247
KS-KSBB45-280-OC	280	277
KS-KSBB45-300-OC	300	297
KS-KSBB45-400-OC	400	397
KS-KSBB45-500-OC	500	497

Symmetric tee (Y shape)



**KTSBY**

code	DN	O.D. [mm]
KS-KTSBY-100-OC	100	97
KS-KTSBY-125-OC	125	122
KS-KTSBY-140-OC	140	137
KS-KTSBY-150-OC	150	147
KS-KTSBY-160-OC	160	157
KS-KTSBY-180-OC	180	177
KS-KTSBY-200-OC	200	197
KS-KTSBY-225-OC	225	222
KS-KTSBY-250-OC	250	247
KS-KTSBY-280-OC	280	277
KS-KTSBY-300-OC	300	297
KS-KTSBY-400-OC	400	397
KS-KTSBY-500-OC	500	497

90° symmetric tee



**KTSB 90**

code	DN	O.D. [mm]
KS-KTSB90-080-OC	80	77
KS-KTSB90-100-OC	100	97
KS-KTSB90-125-OC	125	122
KS-KTSB90-140-OC	140	137
KS-KTSB90-150-OC	150	147
KS-KTSB90-160-OC	160	157
KS-KTSB90-180-OC	180	177
KS-KTSB90-200-OC	200	197
KS-KTSB90-225-OC	225	222
KS-KTSB90-250-OC	250	247
KS-KTSB90-280-OC	280	277
KS-KTSB90-300-OC	300	297
KS-KTSB90-400-OC	400	397
KS-KTSB90-500-OC	500	497

45° symmetric tee



**KTSB 45**

code	DN	O.D. [mm]
KS-KTSB45-080-OC	80	77
KS-KTSB45-100-OC	100	97
KS-KTSB45-125-OC	125	122
KS-KTSB45-140-OC	140	137
KS-KTSB45-150-OC	150	147
KS-KTSB45-160-OC	160	157
KS-KTSB45-180-OC	180	177
KS-KTSB45-200-OC	200	197
KS-KTSB45-225-OC	225	222
KS-KTSB45-250-OC	250	247
KS-KTSB45-280-OC	280	277
KS-KTSB45-300-OC	300	297
KS-KTSB45-400-OC	400	397
KS-KTSB45-500-OC	500	497