

# DUCTING HOSES

## WORM DRIVE CLAMPS AND CONNECTORS

RESISTANT TO ABRASION



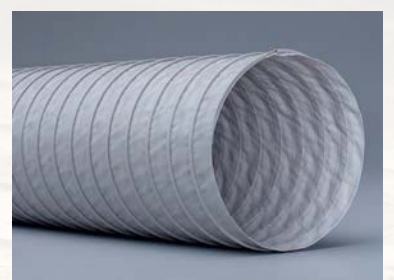
RESISTANT TO HIGH TEMPERATURE



RESISTANT TO CHEMICALS



SPECIAL





# RESISTANT TO ABRASION

Lightweight, flexible ducting hoses made of polyurethane, reinforced with steel wire helix, designed to extract and convey loose materials, dust and sawdust. Various wall thickness options can be selected depending on the abrasiveness of the conveyed medium.

Available in antistatic, electrically conductive, food grade and flame retardant versions. These hoses are used in the woodworking industry, metalworking industry, plastics, food industry and many other sectors.



## P 2 PU

**Hose material:** Transparent polyester-polyurethane (standard version and AS version), transparent polyether-polyurethane(AE and PAS version)  
**Wall thickness:** 0,4 mm  
**Reinforcement:** Steel wire helix  
**Work. temp.:** From -40°C up to +100°C

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
30	0,60	0,30	21	0,17
40	0,50	0,25	28	0,23
50	0,40	0,20	35	0,30
60	0,40	0,16	42	0,34
80	0,28	0,10	56	0,46
100	0,20	0,09	70	0,51
120	0,20	0,08	85	0,60
140	0,15	0,06	95	0,71
150	0,10	0,06	105	0,78
160	0,10	0,06	112	0,81
180	0,08	0,05	131	0,98
200	0,08	0,05	140	1,05
300	0,03	0,03	210	1,55
400	0,02	0,02	280	2,10
500	0,01	0,01	350	2,62

### Characteristics:

Lightweight, very flexible ducting hose designed to extract oil fumes, sawdust and light loose materials etc.

Used in the woodworking, construction and food industry.

Other diameters available in the range of 20 ÷ 800 mm.

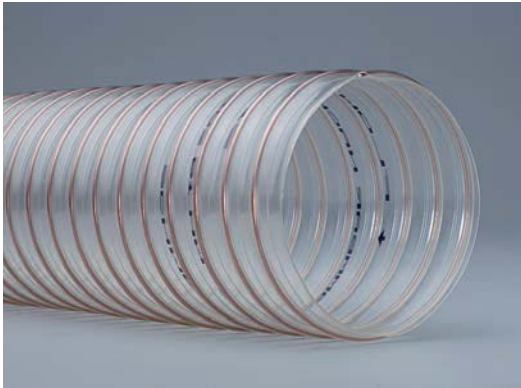
AE version - resistant to microbes and hydrolysis, meets the requirements of FDA and EU directives.

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

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



# RESISTANT TO ABRASION



## P 1 L PU AE SE-A

**Hose material:** Transparent polyether-polyurethane

**Wall thickness:** 0,4 mm

**Reinforcement:** Steel wire helix

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

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
30	0,55	0,25	20	0,15
40	0,50	0,25	28	0,23
50	0,40	0,20	35	0,29
60	0,40	0,16	42	0,34
80	0,27	0,10	56	0,46
100	0,20	0,09	70	0,52
120	0,20	0,08	88	0,61
140	0,15	0,08	92	0,66
150	0,10	0,07	105	0,78
160	0,09	0,06	114	0,85
180	0,09	0,06	128	0,95
200	0,08	0,05	140	1,02
300	0,03	0,03	210	1,54
400	0,01	0,01	280	2,05
500	0,01	0,01	350	2,56

### Characteristics:

Lightweight, very flexible ducting hose designed to extract and convey light loose materials. Resistant to microbes and hydrolysis.

Used in the woodworking and furniture industry. High resistance to abrasion and mineral oils.

Flame retardant according to DIN 4102 B1. According to BGI 739 recommendations, the hose is electrically conductive by grounding the wire helix. Remains flexible at low temperatures.

The hose is marked with an arrow indicating the correct flow direction.

Other diameters available in the range of 20 ÷ 800 mm.



## P 1 N PU

**Hose material:** Transparent polyester-polyurethane (standard version 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

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

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
30	1,50	0,35	30	0,18
40	1,40	0,30	40	0,22
50	1,30	0,28	50	0,27
60	1,10	0,25	60	0,47
80	0,70	0,18	80	0,65
100	0,60	0,15	100	0,79
120	0,50	0,15	120	0,85
140	0,30	0,12	140	1,05
150	0,25	0,10	150	1,18
160	0,25	0,10	160	1,32
180	0,20	0,09	180	1,50
200	0,20	0,09	200	1,67
300	0,12	0,06	300	2,45
400	0,08	0,02	400	3,25

### Characteristics:

Lightweight, flexible hoses designed to extract and convey light granules in the food industry (AE version), paper and textile industry.

High resistance to abrasion.

Other diameters available in the range of 10 ÷ 408 mm.

AE version - resistant to microbes and hydrolysis, meets the requirements of FDA and EU directives.

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

EL version - electrically conductive ( $R < 10^4 \Omega$ ) according to TRBS 2153 and ATEX directive 2014/34/EU, resistant to microbes and hydrolysis. Black colour.



# RESISTANT TO ABRASION



## P 1 N PU AE SE-A

**Hose material:** Transparent polyether-polyurethane  
**Wall thickness:** 0,5 mm (0,6 mm from Ø 60 mm)  
**Reinforcement:** Steel wire helix  
**Work. temp.:** From -40°C up to +100°C

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
30	1,65	0,45	30	0,19
40	1,40	0,30	40	0,25
50	1,30	0,28	50	0,31
60	1,10	0,25	60	0,52
80	0,80	0,20	80	0,68
100	0,60	0,15	100	0,83
120	0,45	0,14	120	0,95
140	0,30	0,12	140	1,12
150	0,25	0,10	150	1,24
160	0,22	0,10	160	1,35
180	0,22	0,10	180	1,51
200	0,20	0,09	200	1,68
300	0,12	0,06	300	2,36
400	0,08	0,02	400	3,14

### Characteristics:

Lightweight, flexible hose designed for the extraction of dust and small particles. Used in the woodworking and furniture industries. Resistant to microbes and hydrolysis.

High resistance to abrasion. Flame retardant according to DIN 4102 B1.

According to BGI 739 recommendations, the hose is electrically conductive by grounding the wire helix.

The hose is marked with an arrow indicating the correct flow direction.

Other diameters available in the range of 20 ÷ 500 mm.



## P 7 L PU

**Hose material:** Transparent polyester-polyurethane (standard version and AS version), polyether-polyurethane (AE and PAS version)  
**Wall thickness:** 0,7 mm  
**Reinforcement:** Steel wire helix  
**Work. temp.:** From -40°C up to +100°C

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
30	1,30	0,40	30	0,25
40	1,15	0,30	40	0,40
50	1,00	0,25	50	0,45
60	1,00	0,25	60	0,48
80	0,80	0,20	80	0,65
90	0,60	0,18	90	0,74
100	0,60	0,18	100	0,84
120	0,50	0,15	120	0,95
140	0,40	0,10	140	1,09
150	0,38	0,10	150	1,12
160	0,35	0,08	160	1,20
180	0,30	0,07	180	1,45
200	0,25	0,05	200	1,50
300	0,15	0,02	300	2,31

### Characteristics:

Robust, smooth bore hose designed to extract and convey highly abrasive materials. Non-toxic and oil resistant.

Used in the wood industry, metalworking and plastics industry.

Other diameters available in the range of 25 ÷ 500 mm.

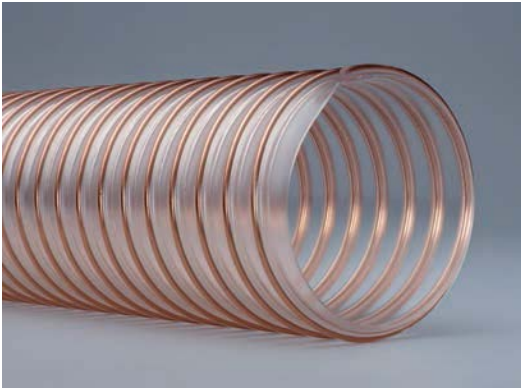
AE version - resistant to microbes and hydrolysis, meets the requirements of FDA and EU directives.

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

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



# RESISTANT TO ABRASION



## P 1 V PU AE SE-A

**Hose material:** Transparent polyether-polyurethane  
**Wall thickness:** 0,7 mm  
**Reinforcement:** Steel wire helix  
**Work. temp.:** From -40°C up to +100°C

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
30	1,30	0,30	30	0,25
40	1,15	0,40	40	0,40
50	1,00	0,25	50	0,45
60	1,00	0,25	60	0,48
80	0,80	0,20	80	0,65
100	0,60	0,18	100	0,84
120	0,50	0,15	120	0,95
140	0,40	0,10	140	1,06
150	0,38	0,10	150	1,12
160	0,35	0,08	160	1,20
180	0,30	0,07	180	1,45
200	0,25	0,05	200	1,50
300	0,15	0,02	300	2,31
400	0,10	0,01	400	2,85

### Characteristics:

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



## P 2 CNC

**Hose material:** Transparent polyether-polyurethane  
**Wall thickness:** 0,65 - 0,8 mm  
**Reinforcement:** PVC-coated steel wire helix  
**Work. temp.:** From -40°C up to +100°C

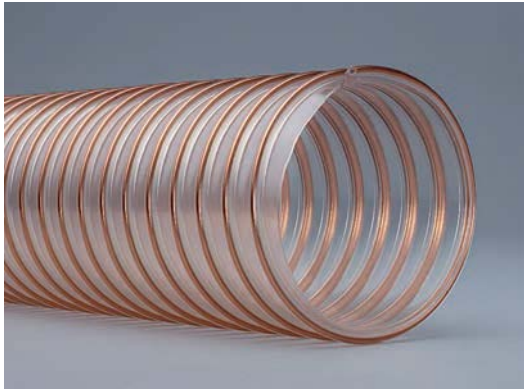
inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
80	0,35	0,20	80	0,65
100	0,30	0,15	100	0,80
120	0,30	0,12	120	0,95
140	0,20	0,10	140	1,11
160	0,20	0,08	160	1,79
180	0,15	0,07	180	2,00
200	0,15	0,05	200	2,22
250	0,10	0,04	250	2,76
300	0,05	0,03	300	3,30
325	0,03	0,03	325	3,57
350	0,02	0,02	350	3,84
400	0,02	0,02	400	4,38
450	0,01	0,01	450	4,92
500	0,01	0,01	500	5,46
600	0,01	0,01	600	6,53

### Characteristics:

Flexible hose intended to extract oil fumes, dust, sawdust and light loose materials etc. Used in the woodworking and construction industry, highly recommended for CNC processing centres.  
 Flame retardant according to DIN 4102 B1, resistant to hydrolysis and microbes.  
 According to BGI 739 recommendations, the hose is electrically conductive by grounding the wire helix.  
 Free of halogens and plasticizers.  
 Other diameters available in the range of 80 ÷ 600 mm.



# RESISTANT TO ABRASION



## P 1 S PU AE SE-A

**Hose material:** Transparent polyether-polyurethane  
**Wall thickness:** 0,9 mm  
**Reinforcement:** Steel wire helix  
**Work. temp.:** From -40°C up to +100°C

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
40	1,20	0,40	46	0,42
50	1,15	0,25	55	0,48
60	1,10	0,25	65	0,54
80	1,00	0,20	85	0,72
100	0,65	0,18	106	1,02
120	0,60	0,15	126	1,15
140	0,50	0,10	146	1,25
150	0,40	0,10	158	1,32
160	0,35	0,08	168	1,41
180	0,30	0,07	188	1,75
200	0,25	0,05	208	1,94
300	0,15	0,02	310	3,15
400	0,10	0,01	410	4,31

### Characteristics:

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



## P 3 PU

**Hose material:** Transparent polyester-polyurethane (standard version and AS version), polyether-polyurethane (AE and EL version)  
**Wall thickness:** 0,8 - 1,3 mm  
**Reinforcement:** PVC-coated steel wire helix  
**Work. temp.:** From -40°C up to +100°C

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
30	2,10	0,50	45	0,25
40	2,00	0,45	60	0,35
50	1,80	0,40	75	0,44
60	1,60	0,35	90	0,53
80	1,20	0,30	120	0,67
100	1,00	0,30	150	1,02
120	0,80	0,25	180	1,22
140	0,50	0,20	210	1,38
150	0,50	0,20	225	1,46
160	0,45	0,15	240	1,56
180	0,45	0,15	260	1,80
200	0,35	0,12	300	1,94
300	0,20	0,09	450	3,78
400	0,10	0,08	600	5,04

### Characteristics:

Flexible hose designed to extract highly abrasive materials.  
 Used in the wood, metalworking and plastics industry, food industry.  
 Other diameters available in the range of 20 ÷ 500 mm.  
 AE version - resistant to microbes and hydrolysis, meets the requirements of FDA and EU directives.  
 AS version - antistatic ( $R < 10^8 \Omega$ ) according to TRBS 2153.  
 EL version - electrically conductive ( $R < 10^4 \Omega$ ) according to TRBS 2153 and ATEX directive 2014/34/EU, resistant to microbes and hydrolysis. Black colour.



# RESISTANT TO ABRASION



## P 7 M PU AE

**Hose material:** Polyether- polyurethane

**Wall thickness:** 1,4 mm

**Reinforcement:** Steel wire helix

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

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
32	3,00	0,90	48	0,38
40	2,30	0,70	60	0,56
50	1,90	0,60	75	0,67
60	1,80	0,55	90	0,79
80	1,20	0,45	120	1,09
90	1,10	0,45	135	1,23
100	1,10	0,40	150	1,36
120	0,90	0,30	180	1,42
140	0,70	0,20	210	1,75
150	0,70	0,20	225	1,82
160	0,60	0,20	240	2,15
180	0,50	0,15	270	2,55
200	0,50	0,15	300	2,92
250	0,30	0,10	375	3,57
300	0,30	0,10	450	4,31

### Characteristics:

Robust, flexible and smooth bore hose designed to extract and convey highly abrasive materials. Oil resistant and non-toxic. Resistant to microbes and hydrolysis, meets the requirements of FDA and EU directives. Used in the wood industry, metalworking and plastics industry.

Other diameters available in the range of 20 ÷ 400 mm.

EL version - electrically conductive ( $R < 10^4 \Omega$ ) according to TRBS 2153.

and ATEX directive 2014/34/EU, resistant to microbes and hydrolysis.

Does not meet the requirements of FDA nor EU directives. Black colour.

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



## P 7 N PU

**Hose material:** Polyester- polyurethane

**Wall thickness:** 1,4 mm

**Reinforcement:** Steel wire helix

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

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
32	3,00	0,90	48	0,38
40	2,30	0,70	60	0,56
50	1,90	0,60	75	0,67
60	1,80	0,55	90	0,79
80	1,20	0,45	120	1,09
90	1,10	0,45	135	1,23
100	1,10	0,40	150	1,36
120	0,90	0,30	180	1,42
140	0,70	0,20	210	1,75
150	0,70	0,20	225	1,82
160	0,60	0,20	240	2,15
180	0,50	0,15	270	2,55
200	0,50	0,15	300	2,92
250	0,30	0,10	375	3,57
300	0,30	0,10	450	4,31

### Characteristics:

Robust, flexible, smooth bore hose designed to extract and convey highly abrasive materials, oil resistant and non-toxic.

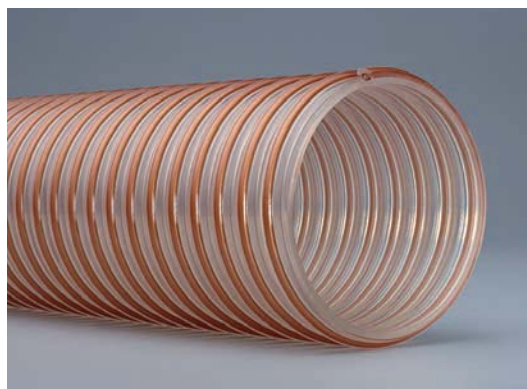
Used in the wood industry, metalworking and plastics industry.

Other diameters available in the range of 25 ÷ 400 mm.

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



# RESISTANT TO ABRASION



## P 3 S PU

**Hose material:** Transparent polyester-polyurethane (standard version and AS version), polyether-polyurethane (AE version)

**Wall thickness:** 2 mm

**Reinforcement:** Steel wire helix

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

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
30	4,60	0,95	130	0,61
40	4,20	0,95	160	0,76
50	3,80	0,95	200	1,00
60	3,30	0,95	240	1,32
80	2,40	0,90	320	1,61
100	1,90	0,90	400	2,13
120	1,45	0,90	480	2,48
140	1,25	0,85	560	3,51
150	1,25	0,85	600	4,08
160	1,15	0,85	640	4,48
180	0,95	0,85	720	4,91
200	0,95	0,85	800	5,45

### Characteristics:

Robust, smooth bore hose designed to extract and convey highly abrasive materials, oil resistant.

Resistant to high vacuum.

Used in the wood industry, metalworking and plastics industry, food industry.

The hose is marked with an arrow indicating the correct flow direction.

Other diameters available in the range of 25 ÷ 350 mm.

AE version - resistant to microbes and hydrolysis, meets the requirements of FDA and EU directives.

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



## P 3 SV PU

**Hose material:** Transparent polyester-polyurethane (standard version and AS version), polyether-polyurethane (AE version)

**Wall thickness:** 2,5 mm

**Reinforcement:** Steel wire helix

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

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
50	3,25	0,85	125	1,35
75	2,50	0,80	190	1,95
100	1,65	0,70	250	2,59
125	1,40	0,65	312	3,15
150	1,15	0,55	375	3,72
200	0,85	0,41	500	4,40
250	0,60	0,85	625	5,50

### Characteristics:

Robust, smooth bore hose designed to extract and convey highly abrasive materials, oil resistant.

Resistant to high vacuum.

Used in the wood industry, metalworking, plastics industry, food industry.

The hose is marked with an arrow indicating the correct flow direction.

Other diameters available in the range of 50 ÷ 400 mm.

AE version - resistant to microbes and hydrolysis, meets the requirements of FDA and EU directives.

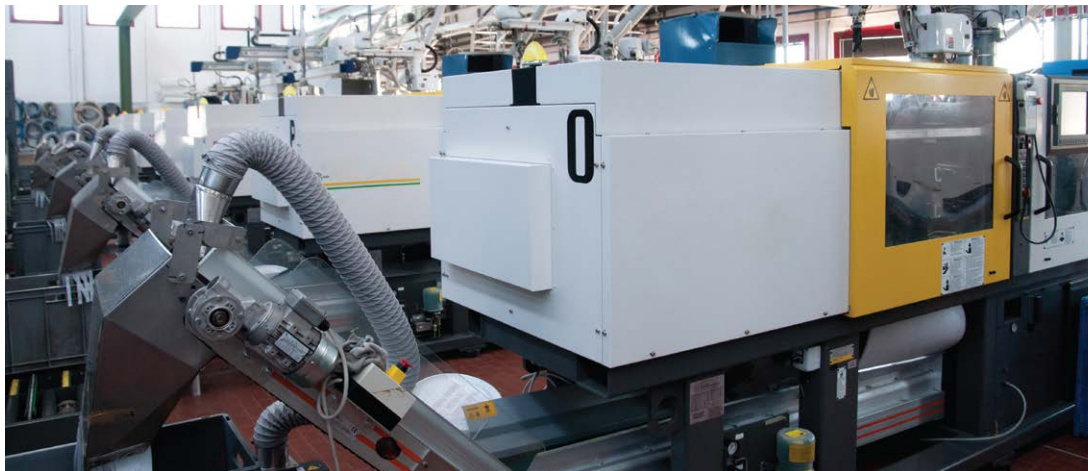
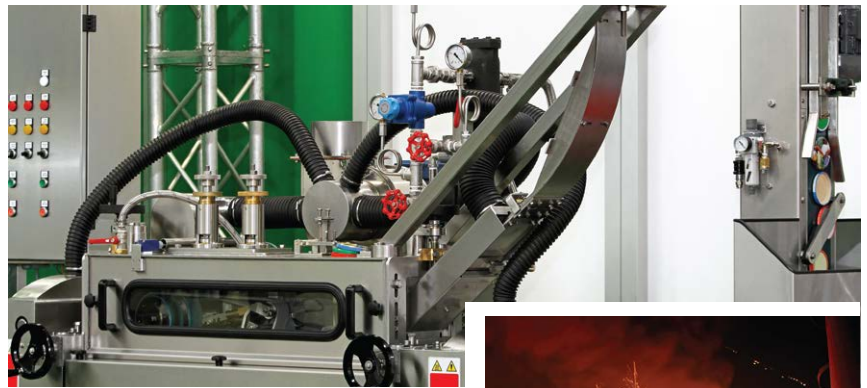
AS version - antistatic ( $R < 10^8 \Omega$ ) according to TRBS 2153.



# HOSES RESISTANT TO HIGH TEMPERATURE



Very flexible and lightweight hoses designed for the extraction of fumes, air, exhaust and gases at very high temperatures. Made of polyester, aramid fabric or fibreglass fabric coated with e.g. silicone or neoprene and reinforced with steel wire helix. Extensively used in the metallurgical industry, automotive industry, aviation and shipbuilding industry.



## CWY

**Hose material:** Neoprene-coated polyester fabric

**Wall thickness:** 0,8 mm

**Reinforcement:** Steel wire helix

**Work. temp.:** From -55°C up to +120°C

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
30	1,80	0,32	45	0,24
40	1,50	0,30	60	0,33
50	1,20	0,25	75	0,41
60	1,00	0,20	90	0,49
80	0,80	0,10	120	0,65
100	0,60	0,08	153	0,72
120	0,50	0,08	180	0,87
140	0,40	0,06	210	1,01
150	0,30	0,06	230	1,22
175	0,25	0,05	270	1,43
200	0,20	0,04	305	1,63
300	0,10	0,02	460	3,00
406	0,04	0,01	610	4,00

### Characteristics:

Flexible ducting hose designed to extract and convey air, fumes and gases in high temperature conditions.

Flame retardant, resistant to chemicals and UV radiation.

Remains flexible at low temperatures.

Other diameters available in the range of 25 ÷ 610 mm.



# HOSES RESISTANT TO HIGH TEMPERATURE



## NEOPRENE 1

**Hose material:** Black neoprene-coated fibreglass fabric (one layer)  
**Reinforcement:** Internal steel wire helix  
**Work. temp.:** From -35°C to +135°C (with peaks up to +150°C)

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
19	1,50	0,53	9	0,08
25	1,40	0,53	12	0,12
41	1,30	0,45	21	0,18
51	1,20	0,44	25	0,25
60	1,10	0,40	30	0,30
70	1,10	0,35	35	0,40
80	1,00	0,30	40	0,44
102	0,90	0,26	51	0,57
120	0,80	0,19	60	0,76
140	0,80	0,15	70	0,89
160	0,60	0,12	80	1,09
180	0,60	0,10	95	1,24
203	0,50	0,07	101	1,38
254	0,40	0,05	127	1,65
305	0,10	0,03	152	2,00

### Characteristics:

Lightweight, very flexible ducting hose designed for the extraction of fumes, air and gases. Widely used to transfer cool and cold air in the electronic industry, printing industry, plastic processing but also for exhaust fumes and welding gas extraction.

Standard length 4 m.

Other diameters available in the range of 13 ÷ 305 mm.



## NEOPRENE 2

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

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
19	2,50	0,70	19	0,11
25	2,50	0,70	25	0,15
41	2,40	0,58	41	0,24
51	2,40	0,53	51	0,29
60	2,20	0,53	60	0,34
70	2,20	0,46	70	0,44
80	2,10	0,40	80	0,49
102	1,80	0,35	102	0,61
120	1,50	0,21	120	0,81
140	1,40	0,18	140	0,95
160	0,90	0,15	160	1,15
180	0,80	0,14	180	1,30
203	0,60	0,10	203	1,39
254	0,40	0,07	254	1,75
305	0,20	0,05	305	2,17

### Characteristics:

More robust version of NEOPRENE 1 hose. Widely used to transfer cool and cold air in the electronic industry, printing industry, plastic processing but also for exhaust fumes and welding gas extraction.

Standard length 4 m.

Other diameters available in the range of 13 ÷ 305 mm.

# HOSES RESISTANT TO HIGH TEMPERATURE



## SILICONE 1

**Hose material:** Red silicone-coated fibreglass fabric (one layer)

**Reinforcement:** Internal steel wire helix

**Work. temp.:** From -70°C to +250°C (with peaks up to +300°C)

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
19	1,50	0,53	9	0,08
25	1,40	0,53	12	0,12
41	1,30	0,45	21	0,18
51	1,20	0,44	25	0,25
60	1,10	0,40	30	0,30
70	1,10	0,35	35	0,40
80	1,00	0,30	40	0,44
102	0,90	0,26	51	0,57
120	0,80	0,19	60	0,76
140	0,80	0,15	70	0,89
160	0,60	0,12	80	1,09
180	0,60	0,10	95	1,24
203	0,50	0,07	101	1,38
254	0,40	0,05	127	1,65
305	0,10	0,03	152	2,00

### Characteristics:

Lightweight, very flexible hose designed for the extraction of fumes, air and gases at high temperatures.

Not recommended for heavy duty applications.

Standard length 4 m.

Other diameters available in the range of 13 ÷ 305 mm.



## SILICONE 2

**Hose material:** Red silicone-coated fibreglass fabric (two layers)

**Reinforcement:** Internal steel wire helix

**Work. temp.:** From -70°C to +250°C (with peaks up to +300°C)

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
19	2,50	0,70	19	0,19
25	2,50	0,70	25	0,22
41	2,40	0,58	41	0,32
51	2,40	0,53	51	0,35
60	2,20	0,53	60	0,46
70	2,20	0,46	70	0,52
80	2,10	0,40	80	0,61
102	1,80	0,35	102	0,76
120	1,50	0,21	120	0,94
140	1,40	0,18	140	1,11
160	0,90	0,15	160	1,27
180	0,80	0,14	180	1,47
203	0,60	0,10	203	1,64
254	0,40	0,07	254	2,13
305	0,20	0,05	305	2,57

### Characteristics:

More robust version of SILICONE 1 hose. Designed to extract fumes, air and gases in high temperature conditions.

Not recommended for heavy duty applications.

Standard length 4 m.

Other diameters available in the range of 13 ÷ 305 mm.



# HOSES RESISTANT TO HIGH TEMPERATURE



## ARAMID SI CL

**Hose material:** Aramid fabric internally coated with silicone

**Wall thickness:** 0,4 mm

**Reinforcement:** Steel wire helix

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

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
50	0,90	0,32	30	0,50
60	0,78	0,22	36	0,60
76	0,62	0,14	45	0,75
80	0,61	0,12	48	0,80
102	0,51	0,08	60	0,90
120	0,36	0,05	72	1,00
127	0,33	0,05	75	1,02
152	0,22	0,04	90	1,25
160	0,21	0,03	96	1,28
180	0,17	0,02	126	1,48
203	0,15	0,02	140	1,65
254	0,10	0,01	175	2,00
305	0,07	0,01	210	2,25
350	0,06	0,01	245	2,70
407	0,04	0,01	320	3,15
508	0,04	0,01	400	4,20

### Characteristics:

Lightweight, very flexible hose designed to extract fumes and gases in high temperature conditions.

High resistance to mechanical factors and vibrations.

Widely used in the chemical and automotive industry.

Other diameters available in the range of 50 ÷ 508 mm.



## SILICON CL

**Hose material:** Silver-grey silicone-coated fibreglass fabric

**Wall thickness:** 0,4 mm

**Reinforcement:** Steel wire helix

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

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
60	0,68	0,22	36	0,50
76	0,47	0,14	45	0,60
80	0,43	0,13	48	0,62
102	0,30	0,08	60	0,65
120	0,22	0,06	72	0,72
127	0,21	0,05	75	0,80
152	0,16	0,04	90	0,90
160	0,14	0,03	96	0,94
180	0,12	0,02	108	1,00
203	0,10	0,02	120	1,21
254	0,07	0,01	175	1,70
305	0,05	0,01	210	2,13
350	0,04	0,01	245	2,50
407	0,03	0,01	280	3,10
508	0,02	0,01	400	4,15

### Characteristics:

Lightweight, very flexible hose designed to extract fumes and gases in high temperature conditions.

Flame retardant, with good resistance to UV radiation, ozone and weather conditions.

Widely used in the automotive and aviation industry.

Other diameters available in the range of 50 ÷ 508 mm.

# HOSES RESISTANT TO HIGH TEMPERATURE



## GRIPFLEX 400

**Hose material:** Coated fibreglass fabric

**Reinforcement:** Steel strip and steel wire helix

**Work. temp.:** From -120°C to +400°C (with peaks up to +450°C)

### Characteristics:

Lightweight, very flexible hose designed for the extraction of hot air, exhaust gas, fumes.

Flame retardant - according to SOLAS.

Free of plasticisers, silicone and halogen compounds.

Good resistance to oils.

Limited resistance to cyclic bending.

Widely used in the metallurgical industry.

Intended for vacuum only.

Available with stainless steel wire helix as well (from 80 mm diameter).

Gripflex 650 (up to +650°C) and Gripflex 1100 (up to +1100°C) hose versions are also available.

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
50	-	0,32	30	0,40
60	-	0,22	36	0,50
70	-	0,16	42	0,50
80	-	0,12	48	0,60
100	-	0,08	60	0,60
120	-	0,05	72	0,70
140	-	0,04	84	0,80
160	-	0,03	96	0,90
180	-	0,02	108	1,00
200	-	0,02	120	1,20
300	-	<0,01	210	2,10
400	-	<0,01	280	3,10
500	-	<0,01	400	4,10
700	-	<0,01	560	6,00
900	-	<0,01	720	7,80



## GRIPFLEX 450

**Hose material:** Fibreglass fabric

**Cover:** Silicone-coated fibreglass fabric

**Reinforcement:** Outer steel strip and steel wire helix

**Work. temp.:** From -60°C to +450°C (with peaks up to +500°C)

### Characteristics:

Lightweight, very flexible hose designed for the extraction of hot air, exhaust gas, fumes.

Resistant to oils, destructive light impact. The hose is flame retardant.

Extensively used in the metallurgical industry, automotive industry, aviation industry.

Available with stainless steel wire helix as well (from 80 mm diameter).

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
50	0,90	0,32	30	0,60
60	0,78	0,22	36	0,70
70	0,67	0,16	42	0,90
80	0,61	0,12	48	1,00
100	0,51	0,08	60	1,30
120	0,36	0,05	72	1,40
140	0,25	0,04	84	1,60
160	0,21	0,03	96	1,80
180	0,17	0,02	108	2,10
200	0,15	0,02	120	2,30
300	0,08	<0,01	210	2,75
400	0,05	<0,01	280	3,40
500	0,04	<0,01	400	4,50
700	0,03	<0,01	560	6,60
900	0,02	<0,01	720	8,60



# HOSES RESISTANT TO CHEMICALS

Lightweight, flexible hoses intended to extract chemically aggressive fumes, solvent vapours and gases. Made of such materials as: polyethylene, polypropylene or PTFE-coated fabrics. Reinforced with steel wire helix, optionally with stainless steel wire helix. Most hoses are available in an antistatic, electrically conductive or flame retardant version. Widely used in the chemical, petrochemical, pharmaceutical industry and medicine.



## NOTE!

Proper selection of hoses means choosing the product which meets all technical requirements for the particular installation or equipment, set to ensure safe and reliable operation. The solution can only be selected on the basis of the full information on the hose working conditions. The basic information needed for the proper hose selection include:

- medium,
- inner diameter,
- maximum working pressure (or vacuum),
- working temperature (internal, external),
- any other factors that may influence the operation and service life of the product, such as: type of operation (static or dynamic - degree and frequency of deformation), exposure to external damage, assembly, operation environment (potentially explosive area, high humidity, exposure to UV radiation or to external contact with other substances), etc.

The chemical resistance of the ducting hose generally depends on the resistance of materials the hose is made of, working temperature, concentration of the medium it is exposed to. Detailed information on chemical resistance of different materials is given in the chemical resistance chart of plastics or at Tubes International.



# HOSES RESISTANT TO CHEMICALS



## PVC SE-V

**Hose material:** Yellow PVC-coated polyester fabric  
**Reinforcement:** Outer steel strip and steel wire helix  
**Work. temp.:** From -20°C up to +70°C

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
50	0,90	0,32	30	0,40
60	0,78	0,22	36	0,50
70	0,67	0,16	42	0,50
80	0,61	0,12	48	0,60
100	0,51	0,08	60	0,60
120	0,36	0,05	72	0,70
140	0,25	0,04	84	0,80
160	0,21	0,03	96	0,90
180	0,17	0,02	108	1,00
200	0,15	0,02	120	1,20
300	0,07	<0,01	210	2,10
400	0,05	<0,01	280	3,10
500	0,04	<0,01	400	4,10
700	0,03	<0,01	560	6,00
900	0,02	<0,01	720	7,80

### Characteristics:

Lightweight, flexible, chemically resistant hose, highly compressible. Flame retardant, intended for ventilation and heating systems. Available in different colours and with stainless steel wire helix (from 80 mm diameter). AS version - antistatic ( $R < 10^8 \Omega$ ), black colour.



## P 2 PE

**Hose material:** Transparent polyethylene  
**Wall thickness:** 0,4 mm  
**Reinforcement:** Steel wire helix  
**Work. temp.:** From -40°C up to +60°C

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
50	0,40	0,16	35	0,14
60	0,40	0,16	42	0,17
80	0,30	0,10	56	0,22
100	0,20	0,09	70	0,28
120	0,20	0,08	85	0,35
140	0,10	0,06	99	0,41
150	0,10	0,06	100	0,43
160	0,09	0,05	113	0,51
180	0,08	0,05	127	0,71
200	0,08	0,05	140	0,81
300	0,03	0,03	210	1,22
400	0,02	0,02	280	1,62
500	0,01	0,01	350	2,03

### Characteristics:

Lightweight, very flexible hose intended to extract chemically aggressive fumes, solvent vapours and gases. Used in the chemical industry mainly. Other diameters available in the range of 40 ÷ 610 mm. EL version - electrically conductive ( $R < 10^4 \Omega$ ) according to TRBS 2153, black colour.



# HOSES RESISTANT TO CHEMICALS



## GRIPFLEX PE

**Hose material:** Polyethylene

**Reinforcement:** Outer steel strip and steel wire helix

**Work. temp.:** From -40°C up to +85°C

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
50	0,90	0,40	30	0,40
60	0,78	0,28	36	0,50
70	0,67	0,21	42	0,50
80	0,61	0,16	48	0,60
100	0,51	0,10	60	0,60
120	0,36	0,07	72	0,60
140	0,25	0,05	84	0,70
160	0,21	0,04	96	0,80
180	0,17	0,03	108	0,90
200	0,15	0,02	120	1,00
300	0,08	0,01	210	1,50
400	0,05	0,06	280	2,40
500	0,04	<0,01	400	3,10
700	0,03	<0,01	560	4,50
900	0,02	<0,01	720	6,00

### Characteristics:

Lightweight, flexible hose intended to extract chemically aggressive fumes and gases. Used in the chemical industry.

Available with stainless steel wire helix as well (from 80 mm diameter).

Other diameters available in the range of 50 ÷ 900 mm.



## P 2 PP

**Hose material:** Black polypropylene

**Wall thickness:** 0,4 mm

**Reinforcement:** Steel wire helix

**Work. temp.:** From -20°C up to +100°C

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
50	0,35	0,15	35	0,24
60	0,35	0,14	42	0,29
80	0,25	0,09	56	0,39
100	0,20	0,08	70	0,50
120	0,20	0,07	85	0,60
140	0,10	0,06	95	0,70
150	0,08	0,05	105	0,73
160	0,10	0,06	112	0,81
175	0,06	0,05	123	0,81
200	0,05	0,03	140	0,99
300	0,03	0,02	210	1,49

### Characteristics:

Lightweight, very flexible hose highly resistant to chemicals and UV radiation. Free of halogens.

Intended to extract air, fumes and gases.

Used in ventilation and air-conditioning systems in the automotive industry.

Other diameters available in the range of 30 ÷ 610 mm.

SE version - flame retardant according to DIN 4102 B1.





# HOSES RESISTANT TO CHEMICALS



## GRIPFLEX HYPALON

**Hose material:** Hypalon-coated polyester fabric

**Reinforcement:** Outer steel strip and steel wire helix

**Work. temp.:** From -40°C to +175°C (with peaks up to +190°C)

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
50	0,90	0,40	30	0,40
60	0,78	0,28	36	0,50
70	0,67	0,20	42	0,50
80	0,61	0,16	48	0,60
100	0,51	0,10	60	0,60
120	0,36	0,07	72	0,70
140	0,25	0,05	84	0,80
160	0,21	0,04	96	0,90
180	0,17	0,03	108	1,00
200	0,15	0,03	120	1,20
300	0,07	0,01	210	2,10
400	0,05	0,01	280	3,10
500	0,04	<0,01	400	4,10
700	0,03	<0,01	560	6,00
900	0,02	<0,01	720	7,80

### Characteristics:

Flexible hose designed to extract air, chemically aggressive fumes, exhaust and gases in ventilation and heating systems. Resistant to UV radiation, ozone and weather conditions. Flame retardant.

Used in the chemical industry.

Available with stainless steel wire helix as well (from 80 mm diameter).



## GRIPFLEX VITON

**Hose material:** Viton-coated polyester fabric

**Reinforcement:** Outer steel strip and steel wire helix

**Work. temp.:** From -25°C up to +210°C

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
50	0,90	0,40	30	0,40
60	0,78	0,28	36	0,50
70	0,67	0,20	42	0,50
80	0,61	0,16	48	0,60
100	0,51	0,10	60	0,60
120	0,36	0,07	72	0,70
140	0,25	0,05	84	0,80
160	0,21	0,04	96	0,90
180	0,17	0,03	108	1,00
200	0,15	0,03	120	1,20
300	0,07	0,01	210	2,10
400	0,05	0,01	280	3,10
500	0,04	<0,01	400	4,10
700	0,03	<0,01	560	6,00
900	0,02	<0,01	720	7,80

### Characteristics:

Flexible ducting hose intended to extract chemically aggressive fumes and gases.

Resistant to chemicals, ozone and UV radiation.

Widely used in the varnish, chemical and paper industry.

Available with stainless steel wire helix as well (from 80 mm diameter).



# HOSES RESISTANT TO CHEMICALS



## GRIPFLEX PETEF

**Hose material:** PTFE film

**Cover:** Polyethylene

**Reinforcement:** Outer steel strip and steel wire helix

**Work. temp.:** From -40°C up to +80°C

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
50	0,85	0,32	30	0,40
60	0,68	0,22	36	0,50
70	0,53	0,16	42	0,50
80	0,43	0,13	48	0,60
100	0,30	0,08	60	0,60
120	0,22	0,06	72	0,70
140	0,14	0,04	84	0,80
160	0,14	0,03	96	0,90
180	0,12	0,03	108	1,00
200	0,10	0,02	120	1,20
300	0,05	0,01	210	2,10
400	0,03	0,01	280	3,10
500	0,02	<0,01	400	4,10
700	0,01	<0,01	560	6,00
900	0,01	<0,01	720	7,80

### Characteristics:

Flexible ducting hose intended to extract chemically aggressive fumes, gases, exhaust.

Resistant to chemicals, UV radiation and ozone.

Widely used in the chemical and food industry.

The internal layer with white PTFE foil meets the requirements of FDA.

Available with stainless steel wire helix as well (from 80 mm diameter).

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



## GRIPFLEX HYTEF

**Hose material:** PTFE film

**Cover:** Hypalon-coated polyester fabric

**Reinforcement:** Outer steel strip and steel wire helix

**Work. temp.:** From -40°C to +175°C (with peaks up to +190°C)

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
50	0,90	0,40	30	0,40
60	0,78	0,28	36	0,50
70	0,67	0,20	42	0,50
80	0,61	0,16	48	0,60
100	0,51	0,10	60	0,60
120	0,36	0,07	72	0,70
140	0,25	0,05	84	0,80
160	0,21	0,04	96	0,90
180	0,17	0,03	108	1,00
200	0,15	0,03	120	1,20
300	0,07	0,01	210	2,10
400	0,05	0,01	280	3,10
500	0,04	<0,01	400	4,10
700	0,03	<0,01	560	6,00
900	0,02	<0,01	720	7,80

### Characteristics:

Lightweight, very flexible hose intended to extract chemically aggressive fumes and gases.

Resistant to UV radiation, ozone and weather conditions. Flame retardant.

Widely used in the paper, pharmaceutical and chemical industry.

The internal layer with white PTFE foil meets the requirements of FDA.

Available with stainless steel wire helix as well (from 80 mm diameter).

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



# HOSES RESISTANT TO CHEMICALS



## GRIPFLEX SILTEF

**Hose material:** PTFE film  
**Cover:** Silicone-coated fibreglass fabric  
**Reinforcement:** Outer steel strip and steel wire helix  
**Work. temp.:** From -70°C up to +250°C

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
50	0,90	0,44	30	0,50
60	0,78	0,31	36	0,60
70	0,67	0,23	42	0,70
80	0,61	0,17	48	0,80
100	0,51	0,11	60	1,00
120	0,36	0,08	72	1,10
140	0,25	0,06	84	1,30
160	0,21	0,04	96	1,30
180	0,17	0,04	108	1,40
200	0,15	0,03	120	1,60
300	0,07	0,01	210	2,40
400	0,05	0,01	280	3,80
500	0,04	0,01	400	4,70
700	0,03	<0,01	560	6,90
900	0,02	<0,01	720	8,20

### Characteristics:

Flexible hose intended to extract chemically aggressive fumes, gases, exhaust. Flame retardant, resistant to weather conditions. Used in the chemical and food industry. The internal layer with white PTFE foil meets the requirements of FDA. Available with stainless steel wire helix as well (from 80 mm diameter). EL version - electrically conductive ( $R < 10^4 \Omega$ ), black PTFE film.



## PTFE CL

**Hose material:** Brown PTFE-coated fibreglass fabric  
**Wall thickness:** 0,12 mm (0,15 mm for EL version)  
**Reinforcement:** Outer steel strip and steel wire helix  
**Work. temp.:** From -150°C up to +250°C

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
50	0,85	0,32	30	0,40
60	0,68	0,22	36	0,50
76	0,47	0,14	45	0,60
80	0,43	0,12	48	0,63
102	0,3	0,08	60	0,65
120	0,22	0,06	72	0,72
127	0,21	0,05	76	0,80
152	0,16	0,04	90	0,90
160	0,14	0,03	96	0,94
180	0,12	0,02	108	1,05
203	0,1	0,02	120	1,21
254	0,07	0,01	175	1,70
305	0,05	0,01	210	2,13
350	0,04	0,01	245	2,30
407	0,03	0,01	280	2,90
508	0,02	0,01	400	3,90

### Characteristics:

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



# HOSES RESISTANT TO CHEMICALS



## P 2 SP

**Hose material:** Black TPE coated polyester fabric

**Wall thickness:** 0,4 mm

**Reinforcement:** Steel wire helix

**Work. temp.:** From -40°C up to +150°C

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
50	0,35	0,10	50	0,21
60	0,35	0,08	60	0,25
80	0,20	0,06	80	0,33
100	0,15	0,05	100	0,56
120	0,15	0,04	120	0,67
140	0,12	0,04	125	0,73
150	0,11	0,04	150	0,78
175	0,09	0,03	175	0,82
200	0,08	0,02	200	1,27
300	0,05	0,01	300	1,45
400	0,04	0,01	400	1,78
500	0,03	0,01	500	2,21

### Characteristics:

Lightweight, very flexible ducting hose designed for the extraction of acid and solvent fumes at high temperatures.

Resistant to ozone and UV radiation.

Other diameters available in the range of 13 ÷ 800 mm.

SE version - flame retardant according to DIN 4102 B1.



## P 2 HL

**Hose material:** Black PVC coated polyester fabric

**Wall thickness:** 0,4 mm

**Reinforcement:** Steel wire helix

**Work. temp.:** From -40°C up to +80°C

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
50	1,20	0,25	50	0,24
60	1,00	0,20	60	0,29
80	0,80	0,10	80	0,38
100	0,60	0,08	100	0,51
125	0,50	0,07	125	0,64
150	0,30	0,06	150	0,77
160	0,25	0,05	160	0,80
170	0,25	0,05	170	0,86
180	0,20	0,04	180	0,96
200	0,20	0,04	200	1,07
300	0,10	0,02	300	1,60
400	0,04	0,01	400	2,13
500	0,03	0,01	500	2,67

### Characteristics:

Lightweight, very flexible hose designed to extract solvent fumes and dust in potentially explosive areas.

Used for vacuum transfer of light granules.

Antistatic ( $R < 10^8 \Omega$ ) according to TRBS 2153.

Other diameters available in the range of 19 ÷ 800 mm.

# SPECIAL HOSES

Special hoses for such applications as e.g. blowing hot and cold air into buildings and tents, extraction of hot exhaust fumes from petrol and diesel engines, but also hoses for industrial vacuum cleaners or road-sweeping machines. As for any other special applications, please contact Tubes International to select the proper hose or optionally, to order a custom-made product.



## P-G-EX 1

**Hose material:** Black TPE coated polyester fabric  
**Reinforcement:** Nylon helix in abrasion resistant cover  
**Work. temp.:** From -40°C to +150°C (with peaks up to +170°C)

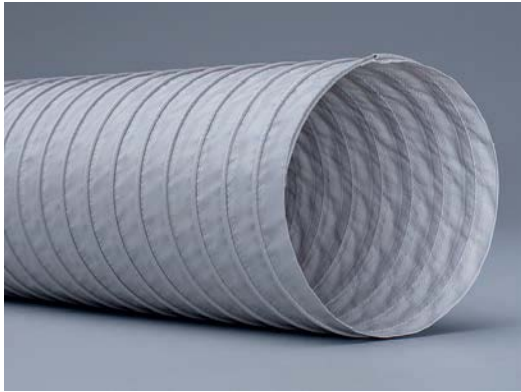
inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
40	-	0,65	80	0,25
50	-	0,50	85	0,41
65	-	0,35	100	0,53
75	-	0,15	105	0,69
90	-	0,12	175	0,83
100	-	0,10	190	0,87
125	-	0,08	250	1,20
150	-	0,06	300	1,44
200	-	0,04	400	1,83

### Characteristics:

Lightweight, flexible hose intended to transfer hot exhaust fumes from petrol and diesel engines.  
 Crush recoverable and suitable for hose reel systems.  
 Other diameters available in the range of 35 ÷ 200 mm.  
 Standard hose lengths: 5 - 7,5 - 10 - 15 - 20 m.



## SPECIAL HOSES



### P 2 A 1000

**Hose material:** Light grey special PVC-coated polyester fabric

**Wall thickness:** 0,4 mm

**Reinforcement:** Steel wire helix

**Work. temp.:** From -30°C to +80°C (with peaks up to +100°C)

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
50	0,80	35	0,20	0,13
60	0,80	42	0,16	0,16
80	0,60	56	0,10	0,24
100	0,50	70	0,09	0,30
120	0,50	85	0,08	0,35
140	0,35	95	0,06	0,42
150	0,20	105	0,06	0,45
175	0,20	123	0,05	0,63
200	0,20	140	0,05	0,72
300	0,06	210	0,03	1,08
400	0,04	280	0,02	1,45
500	0,02	350	0,01	1,82

#### Characteristics:

Lightweight, very flexible, self-extinguishing hose designed to extract welding fumes and for ventilation systems.

Other diameters available in the range of 25 ÷ 800 mm.

#### Hose colour options:

- black,
- yellow,
- blue,
- white.



### SPIRAFLEX PVC

**Hose material:** Special PVC-coated polyester fabric

**Reinforcement:** Steel wire helix

**Work. temp.:** From -40°C to +80°C (with peaks up to +95°C)

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
50	0,40	0,20	35	0,30
60	0,40	0,16	42	0,34
80	0,28	0,10	56	0,46
100	0,20	0,09	70	0,51
120	0,20	0,08	85	0,60
140	0,15	0,06	95	0,71
150	0,10	0,06	105	0,78
160	0,10	0,06	112	0,81
180	0,08	0,05	131	0,98
200	0,08	0,05	140	1,05
300	0,03	0,03	210	1,55
400	0,02	0,02	280	2,10
500	0,01	0,01	350	2,62

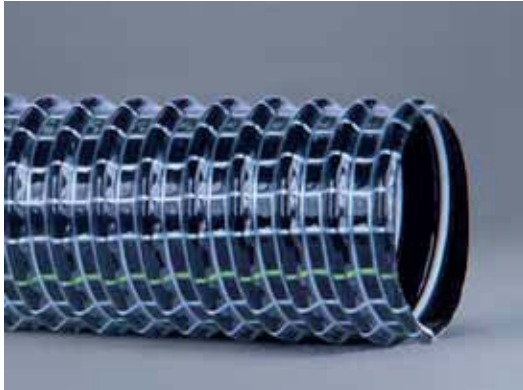
#### Characteristics:

Lightweight, very flexible, flame retardant hose designed for air-conditioning systems and blowing warm and cold air into tents and buildings.

With soft cuffs as a standard (see the picture).

Available with special end finish which allows hose sections to be connected to the desired length and in different colours as well.

# SPECIAL HOSES



## SUPERELASTIC

**Hose material:** Two layers of soft PVC with yarn reinforcement

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

**Work. temp.:** From 0°C up to +85°C

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
25	1,70	0,40	25	0,19
32	1,50	0,35	32	0,26
38	1,40	0,30	38	0,32
41	1,40	0,30	41	0,35
44	1,30	0,28	44	0,36
51	1,30	0,28	51	0,43
63	1,00	0,25	63	0,51
70	0,90	0,20	70	0,58
76	0,80	0,18	76	0,66

### Characteristics:

Lightweight, very flexible hose designed to extract dust, polluted air and fumes. Widely used for industrial and home vacuum cleaners, or as a protective cover. Other diameters available in the range of 25 ÷ 160 mm. Plastic fittings are available for this hose.



## EVA

**Hose material:** Ethyl-vinyl acetate

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

inner diameter [mm]	working pressure [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]
25	33	0,50	66	0,20
29	36	0,50	76	0,22
32	41	0,50	82	0,27
38	48	0,50	93	0,36
45	55	0,50	111	0,47
50	61	0,50	122	0,56
60	72	0,40	146	0,70
75	88	0,40	155	0,92
80	94	0,40	170	1,00

### Characteristics:

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

# WORM DRIVE CLAMPS

Tubes International also offers clamps:


Bridge worm drive clamps with 9 and 12 mm band width.

The clockwise clamps are designed to assemble P1, P2, P3, P7 type helix-reinforced ducting hoses whereas the counter-clockwise clamps for Clip type hoses: ARAMID SI CL, SILICON CL, PTFE CL, GRIPFLEX.

The bridge of the clamp secures tight connection and prevents hose damage.

Other diameters are available in the range from 25 to 915 mm.

For diameters over 230 mm, the band consists of several sections.

W2 (AISI 430 steel)	W4 (AISI 304 steel)	W5 (AISI 316 steel)	diameter min/max [mm]	band width [mm]	bridge width D [mm]
			25 ÷ 40 do 140 ÷ 160	9	7
			25 ÷ 40 do 180 ÷ 200	12	7
			195 ÷ 215 do 895 ÷ 915	12	6
			195 ÷ 215 do 895 ÷ 915	12	8

# CONNECTORS

System of connectors designed to assemble ducting hoses easily and effectively using BC type worm drive bridge clamps.

With the connectors in various shapes, a new installation can be easily built or the old one modified. The connectors are made of zinc-plated sheet steel, 0.5 mm thick as a standard (aluminium and stainless steel version as an option). Custom-made connectors are also available.

