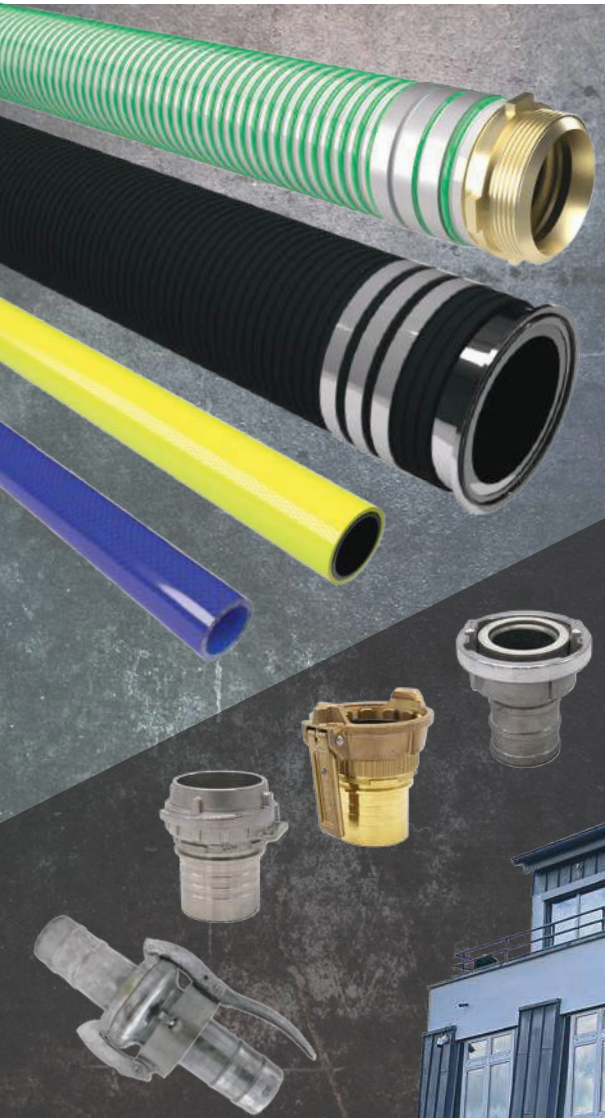




Frauenhof

Pure Quality. Pure Service. Pure Frauenhof.

Industrial- and Suction Hoses



Synthetic Spiral Hoses

Rubber Spiral Hoses

Water Hoses

Air Hoses

Fittings

Accessories





Industrial and Suction Hoses

When disposing liquid and nonliquid media, suction and pressure hoses need to meet high requirements. Hence, hose reliability is an absolute necessity for you and a surety in daily use. As our hoses need to pass the most diligent product selection process, they meet the highest quality standards in terms of wear resistance, abrasion resistance, shape stability, resistance to weather and durability. Depending on their application, these hoses must not only have a highly abrasion-resistant inner tube and an electrically conductive and wear-resistant cover but also ensure maximum flexibility and an optimal weight.

The combination of these features and the HF gland coupling system, that we helped to develop, is the reason why our hose lines for abrasive matter claim the position of quality leadership.

Relying on our constant dialogue with our customers, we have assembled an assortment that meets all the requirements stated above and is presented to you on the following pages.

Legend



Outside diameter



Bursting pressure



Working pressure



Bend radius



Flow rate



Inside diameter



Weight



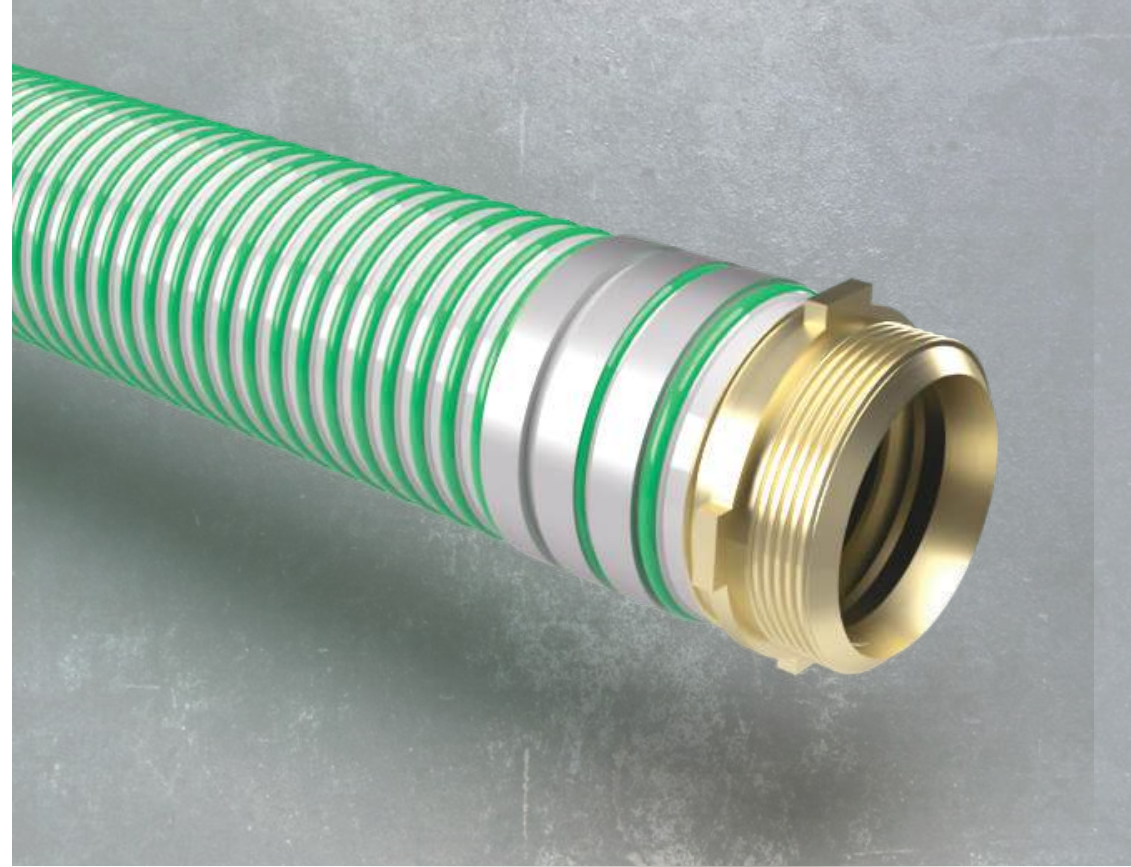
Screw thread



Length



Minimum collapse
load



Synthetic Spiral Hoses

Gruppe 10

Arizona

Buna

AbrasiveFlex

PUR-Hoses

PVC SD-Hose Gruppe 10



Scope of Application

Suction and pressure hose for purposes of conducting water, acids, bases and lyes for a broad variety of industry domains, irrigation and drainage projects in agriculture and distribution of fertilizers.

Construction

- Smooth PVC hose with inner hard PVC spiral, soft on the in- and outside

Temperature Range

- -5°C to +60°C

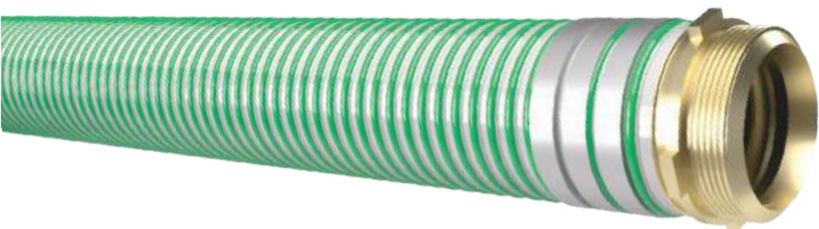
Properties

- Flexible suction and pressure hose
- Chemical resistance: see list for chemical resistance PVC
- Colour: green-transparent with white spiral, other colors on request

Whereas working under conditions of excess pressure results in a length increase, working under conditions of negative pressure results in a length decrease. This information needs to be taken into account during assembly.

Article no.		Wall thickness				
281578	13 mm	2,1 mm	0,135 kg/m	55 mm	101 psi	By the metre
280900	19 mm	2,4 mm	0,2 kg/m	80 mm	101 psi	By the metre
280903	25 mm	2,5 mm	0,25 kg/m	110 mm	101 psi	By the metre
280905	32 mm	2,8 mm	0,32 kg/m	140 mm	101 psi	By the metre
280907	38 mm	3,2 mm	0,42 kg/m	180 mm	87 psi	By the metre
281579	50 mm	3,4 mm	0,64 kg/m	240 mm	72 psi	By the metre

Arizona



Scope of Application

Application appropriate for medium-heavy use in many branches of industry, disposal and agriculture. Is applicable inter alia as agricultural manure hose, communal vehicles or irrigation systems.

- Smooth on the inside

Construction

- Comes with a shock-resistant, hard PVC spiral, overlaying to the outside as green abrasion protection

Properties

- PVC suction / pressure hose that is flexible at low temperature

Temperature range

- -25°C to +60°

Article no.		Wall thickness				
	25 mm	4,4 mm	0,5 kg/m	100 mm	101 psi	304 psi 50 m
	32 mm	4,4 mm	0,6 kg/m	130 mm	87 psi	261 psi 50 m
	38 mm	4,4 mm	0,7 kg/m	150 mm	87 psi	261 psi 50 m
	45 mm	5,0 mm	0,9 kg/m	180 mm	79 psi	239 psi 20 m
280380	50 mm	5,5 mm	1,05 kg/m	200 mm	72 psi	217 psi 50 m
	60 mm	5,6 mm	1,25 kg/m	240 mm	65 psi	195 psi 50 m
	63 mm	6,0 mm	1,39 kg/m	250 mm	65 psi	195 psi 50 m
	75 mm	6,5 mm	1,7 kg/m	300 mm	58 psi	174 psi 50 m
280383	76 mm	6,5 mm	1,7 kg/m	300 mm	58 psi	174 psi 50 m
280390	80 mm	6,5 mm	1,85 kg/m	320 mm	50 psi	152 psi 50 m
	89 mm	6,7 mm	2,25 kg/m	360 mm	50 psi	152 psi 50 m
280385	90 mm	6,7 mm	2,25 kg/m	360 mm	50 psi	152 psi 50 m
	100 mm	7,4 mm	2,7 kg/m	400 mm	43 psi	130 psi 50 m
280386	102 mm	7,3 mm	2,7 kg/m	400 mm	43 psi	130 psi 50 m
280387	110 mm	7,5 mm	3,1 kg/m	440 mm	43 psi	130 psi 20 m
	120 mm	8,0 mm	3,6 kg/m	480 mm	36 psi	108 psi 20 m
	125 mm	8,3 mm	3,9 kg/m	500 mm	36 psi	108 psi 20 m
280388	127 mm	8,3 mm	3,9 kg/m	510 mm	36 psi	108 psi 20 m
	130 mm	8,5 mm	4,1 kg/m	520 mm	36 psi	108 psi 20 m
	133 mm	8,5 mm	4,2 kg/m	550 mm	29 psi	101 psi 20 m
	150 mm	9,0 mm	5,0 kg/m	600 mm	29 psi	87 psi 20 m
280389	152 mm	9,0 mm	5,0 kg/m	610 mm	29 psi	87 psi 20 m
	160 mm	9,4 mm	5,6 kg/m	640 mm	29 psi	87 psi 20 m
281621	200 mm	13,0 mm	10,0 kg/m	800 mm	21 psi	65 psi -

PVC/NBR-Buna Gruppe 144



Scope of Application

New generation of synthetic suction and pressure hoses for process water, liquid manure and mineral oil when cleaning and discharging, e.g. oil separator, fat separator.

Properties

- Particularly flexible at low temperature
- Vacuum: 9mWs

Construction

- Layout: PVC / NBR mixture grey, including a PVC spiral on the inside

Temperature range

- -30°C to +65°C

Article No.	Ø	Wall thickness	kg			
281502	51 mm	5,2 mm	0,98 kg/m	153 mm	72 psi	50 m
281504	63 mm	5,6 mm	1,2 kg/m	189 mm	65 psi	50 m
281505	76 mm	6,0 mm	1,6 kg/m	228 mm	58 psi	50 m
281506	80 mm	6,1 mm	1,7 kg/m	240 mm	43 psi	50 m
281508	102 mm	7,0 mm	2,4 kg/m	306 mm	43 psi	50 m
281510	127 mm	8,0 mm	3,3 kg/m	381 mm	29 psi	20 m
281511	152 mm	8,6 mm	4,2 kg/m	456 mm	29 psi	20 m

HFH AbrasiveFlex PVC/PU



Scope of Application

Application particularly in the areas of graveling and gravel removal of flat roofs and the transport of abrasive media in general.

Properties

- Good resistance towards chemicals and hydrolysis
- Bacteria-resistant
- On request, antistatic with copper strand
- Highly abrasion-resistant, vacuum steadiness
- Light and flexible

- Robust and resistant

- Smooth surface for favorable flow characteristics

Construction

- Outside cover: PVC, slightly waved
- Pressure carrier / reinforcement: impact-proof hard PVC spiral
- Inner tube: highly abrasion-resistant polyurethane, smooth, strength 2.2 – 2.4 mm

Temperature Range

- -25 °C to +60 °C

Article no.	Ø	Wall thickness	kg					Vacuum
282352	76 mm	5,6 mm	2,0 kg/m	470 mm	65 psi	196 psi	50 m	10 mWS
282353	102 mm	7,0 mm	3,4 kg/m	600 mm	58 psi	174 psi	30 m	9,5 mWS
282354	127 mm	7,2 mm	4,4 kg/m	750 mm	50 psi	152 psi	30 m	9,5 mWS
282355	152 mm	9,2 mm	6,7 kg/m	900 mm	43 psi	131 psi	20 m	9,5 mWS

foxiGarant PUR H-EL



Scope of Application

For abrasive, coarse-grained solids in Ex-proof areas as well as devices with high vacuum steadiness. For the transport of flammable dusts / bulk materials (zone 20, 21, 22 inside), for aspiration of flammable and nonflammable dusts (none or zone 22 inside), for transport of gases and flammable liquids (zone 0, 1, 2 inside), for transport of gases and flammable liquids (zone 0, 1, 2 outside).

- The metallic spiral needs to be grounded on both sides

Construction

- Highly abrasion-resistant polyester polyurethane
- Electrically conducting with surface resistivity $R_o \leq 10^3 \text{ Ohm}$ and specific resistance < 10 to the power of $4 \Omega \cdot m$
- Spring steel spiral

Properties

- Electrically conducting suction and blower hose
- With smooth interior wall
- In accordance with ATEX 2014/34/EU and TRGS 727

Temperature Range

- -40°C to $+90^\circ\text{C}$, for a short time up to $+125^\circ\text{C}$

		Vacuum				
80 mm	29 psi	8,53 psi	137 mm	91 mm	1,25 kg/m	By the metre
100 mm	22 psi	6,40 psi	170 mm	112 mm	1,48 kg/m	By the metre
125 mm	19 psi	4,44 psi	208 mm	138 mm	1,96 kg/m	By the metre
150 mm	15 psi	3,55 psi	247 mm	163 mm	2,29 kg/m	By the metre
200 mm	11 psi	2,67 psi	326 mm	215 mm	3,30 kg/m	By the metre

foxiGarant PUR HS



Scope of Application

Specific feed hose with extremely abrasive and sharp-edged solids (gravel, grain, blasting media)

- For fodder transport
- For silo filling and discharging purposes
- Working hose for dry suction vehicles
- For silo trucks and loading operators
- Cleaning in glass factories
- For both liquid and gaseous media

materials and gases / liquids with low conductivity for dissipating electrostatic charges if the spiral is earthed on both sides

Construction

- Spiral ingrained in the hose wall in a torque-proof and nonshiftable way
- Wall thickness between the spirals approx. 2.5 mm
- Material reinforcement below the wire

Properties

- Targeted material reinforcement below the wire
- Flexible blower hose
- Highly robust design (wall thickness approx. 2.5 mm)
- Extremely abrasion-resistant
- Smooth on the inside
- In accordance with TRBS 2153 (zone 1, 21) for nonflammable dusts / bulk

Material

- Spiral: spring steel wire, copper-coated
- Wall: highly abrasion-resistant polyester polyurethane
- Color: transparent

Temperature Range

- -40°C to $+90^\circ\text{C}$, for a short time up to $+125^\circ\text{C}$

Article no.			Vacuum				
284005	100 mm	25,67 psi	8,41 psi	187 mm	111 mm	1,92 kg/m	10 m / 15 m
284006	125 mm	22,34 psi	6,22 psi	230 mm	137 mm	2,38 kg/m	10 m / 15 m
284007	150 mm	18,27 psi	5,15 psi	275 mm	162 mm	2,58 kg/m	10 m / 15 m
284019	200 mm	12,62 psi	3,55 psi	375 mm	215 mm	4,05 kg/m	10 m / 15 m
-	250 mm	10,15 psi	2,35 psi	450 mm	275 mm	4,75 kg/m	10 m / 15 m

foxiGarant PUR HS-Conduct



Scope of Application

Electrically conductive feed hose for dry suction vehicles, flexible working hose for roof graveling, can be used as a discharge hose in construction industry or for cleaning power plants. Permitted for pneumatic transport of flammable dusts / bulk materials (zone 20, 21, 22 inside), for aspiration of flammable dusts (zone 20, 21, 22 inside) and nonflammable dust (none or zone 22 inside), for transport of gases and flammable liquids (zone 1 and zone 2 outside).

Properties

- Permanently antistatic with surface resistivity $R_o < 10^9 \Omega$ and specific resistivity $\rho < 2,5 \cdot 10^8 \Omega \cdot m$
- Abrasion resistance

- Smooth on the inside
- Pressure resistance
- Vacuum resistance
- Highly flexible and abrasion-resistant

Construction

- Highly abrasion-resistant polyester polyurethane
- Material reinforcement below the wire
- Wall thickness: approx. 2.5 mm
- Spiral: spring steel wire, copper-coated, supplementary with circumferential braid

Temperature Range

- $-40^\circ C$ to $+90^\circ C$, for a short time up to $+125^\circ C$

Article no.			Vacuum				
284040	102 mm	26,11 psi	8,41 psi	230 mm	111 mm	2,35 kg/m	10 m, 20 m, R
284041	127 mm	21,76 psi	6,22 psi	290 mm	137 mm	3,26 kg/m	10 m, 20 m, R
284042	152 mm	18,86 psi	5,15 psi	400 mm	162 mm	3,95 kg/m	10 m, 20 m, R
284043	203 mm	13,05 psi	3,55 psi	600 mm	215 mm	4,42 kg/m	10 m, 20 m, R
284044	250 mm	10,15 psi	2,35 psi	800 mm	263 mm	5,52 kg/m	10 m, 20 m, R

R = By the metre

foxiGarant PUR H



Scope of Application

Universally usable suction and blower hose, particularly in the area of coarse-grained / sharp-edged media with high flow-rate (blasting materials , chips , paper). Applicable for usage as standard hose for industrial vacuum cleaners, for granule conveyors (abrasive synthetic materials), for suction of paper fibers, for gaseous and liquid media or suction at vacuum pumps.

Properties

- Heavy design (wall thickness approx. 1.45 mm)
- Highly flexible
- Smooth on the inside
- Highly abrasion-resistant
- Higher resistance to pressure and vacuum

- Antistatic
- Bacteria-resistant and hydrolysis-stabilized
- Flame-resistant according to DIN 4102 B1

Construction

- Hoch abriebfestes Polyester Polyurethan
- Wandstärke: ca. 1,45 mm
- Spirale: Federstahldraht, vercupfert

Temperature Range

- $-40^\circ C$ to $+90^\circ C$, for a short time up to $+125^\circ C$

On request, additional nominal sizes available.

Article no.			Vacuum				
284000	80 mm	29,01 psi	8,53 psi	132 mm	91 mm	1,11 kg/m	10 m, 15 m, 20 m
284001	100 mm	21,76 psi	6,40 psi	165 mm	112 mm	1,48 kg/m	10 m, 15 m, 20 m
284002	125 mm	18,86 psi	4,44 psi	203 mm	138 mm	1,91 kg/m	10 m, 15 m, 20 m
284003	150 mm	15,23 psi	3,55 psi	242 mm	163 mm	2,29 kg/m	10 m, 15 m, 20 m
284004	200 mm	10,88 psi	2,67 psi	321 mm	215 mm	3,30 kg/m	10 m, 15 m, 20 m

foxiGarant PUR XL



Scope of Application

Specific suction and feed hose in case of high demands on abrasion resistance, for example with extremely chiseled solids (e.g. broken glass), as a feed hose in shipyards and glass factories, as granule feed hose for fiberglass-reinforced synthetic materials or as a suction hose on vacuum pumps.

Properties

- Extremely heavy design (wall thickness approx. 2.5 mm)
- Good flexibility
- Smooth on the inside
- Extremely abrasion-resistant
- Very high resistance to pressure and vacuum

Construction

- Spiral ingrained in the hose wall in a torque-proof and nonshiftable way
- Flow-optimized hose wall
- Wall thickness between the spirals approx. 2.5 mm

Material

- Spiral: cotton-coated spring steel wire
- Wall: polyester polyurethane

Temperature Range

- -40°C to +90°C, for a short time up to +125°C

Article no.			Vacuum			
-	32 mm	70,34 psi	13,65 psi	80 mm	42 mm	0,66 kg/m
-	38 mm	63,67 psi	13,65 psi	95 mm	48 mm	0,78 kg/m
-	40 mm	61,93 psi	13,65 psi	100 mm	50 mm	0,83 kg/m
-	45 mm	59,47 psi	13,65 psi	115 mm	55 mm	0,92 kg/m
-	50 mm	58,02 psi	13,65 psi	125 mm	61 mm	1,04 kg/m
-	60 mm	52,21 psi	12,94 psi	150 mm	70 mm	1,20 kg/m
-	65 mm	47,86 psi	12,94 psi	165 mm	75 mm	1,29 kg/m
-	70 mm	45,69 psi	12,94 psi	175 mm	80 mm	1,38 kg/m
-	75 mm	42,35 psi	12,94 psi	190 mm	87 mm	1,50 kg/m
284008	80 mm	40,18 psi	12,94 psi	200 mm	93 mm	1,93 kg/m

Article no.			Vacuum			
284009	100 mm	23,93 psi	12,66 psi	250 mm	115 mm	2,60 kg/m
-	110 mm	23,93 psi	12,66 psi	275 mm	124 mm	2,82 kg/m
-	120 mm	23,93 psi	12,15 psi	300 mm	134 mm	3,07 kg/m
284010	125 mm	21,75 psi	12,03 psi	315 mm	140 mm	3,44 kg/m
-	130 mm	21,75 psi	11,9 psi	325 mm	143 mm	3,54 kg/m
-	140 mm	19,58 psi	11,77 psi	350 mm	153 mm	3,81 kg/m
284011	150 mm	17,40 psi	11,51 psi	450 mm	167 mm	4,13 kg/m
-	160 mm	17,40 psi	11,13 psi	500 mm	175 mm	4,81 kg/m
-	175 mm	15,22 psi	9,60 psi	650 mm	190 mm	5,25 kg/m
-	180 mm	13,05 psi	8,45 psi	700 mm	195 mm	5,40 kg/m
284012	200 mm	13,05 psi	7,42 psi	950 mm	220 mm	6,43 kg/m
-	225 mm	10,87 psi	6,78 psi	1150 mm	241 mm	7,11 kg/m
-	250 mm	8,70 psi	6,14 psi	1300 mm	267 mm	7,91 kg/m
-	275 mm	23,93 psi	12,66 psi	1450 mm	292 mm	8,68 kg/m
-	300 mm	23,93 psi	12,66 psi	1600 mm	317 mm	9,45 kg/m

foxiGarant PUR XL-Conduct



Scope of Application

Electrically conductive hose for abrasive solids like glass fiber-reinforced plastic, gravel, sand, stones, and blasting media. Suitable for various industrial applications including pneumatic transport of combustible dusts, aspiration of dusts, and transport of gases and flammable liquids.

Properties

- Permanently antistatic with surface resistivity $R_o < 10^9 \Omega$ and specific resistivity $\rho < 2,5 \cdot 10^8 \Omega \cdot m$
- Abrasion resistance
- Smooth on the inside
- Pressure resistance

- Vacuum resistance
- Highly flexible and abrasion-resistant

Construction

- Highly abrasive-resistant polyester polyurethane
- Wall thickness: approx. 2.5 mm

Material

- Spirale: copper-coated steel wire
- Wandung: Polyester Polyurethan

Temperature Range

- -40°C to +90°C, for a short time up to +125°C

Article no.			Vacuum				
284045-10	102 mm	30,45 psi	12,66 psi	250 mm	115 mm	2,85 kg/m	10 m
284045-20	102 mm	30,45 psi	12,66 psi	250 mm	115 mm	2,85 kg/m	20 m
284045-R	102 mm	30,45 psi	12,66 psi	250 mm	115 mm	2,85 kg/m	By the metre
284046-10	127 mm	24,65 psi	12,66 psi	315 mm	140 mm	3,89 kg/m	10 m
284046-20	127 mm	24,65 psi	12,66 psi	315 mm	140 mm	3,89 kg/m	20 m
284046-R	127 mm	24,65 psi	12,66 psi	315 mm	140 mm	3,89 kg/m	By the metre
284047-10	152 mm	21,75 psi	11,9 psi	450 mm	167 mm	4,53 kg/m	10 m
284047-20	152 mm	21,75 psi	11,9 psi	450 mm	167 mm	4,53 kg/m	20 m
284047-R	152 mm	21,75 psi	11,9 psi	450 mm	167 mm	4,53 kg/m	By the metre
284048-10	203 mm	15,95 psi	9,21 psi	950 mm	220 mm	6,43 kg/m	10 m
284048-20	203 mm	15,95 psi	9,21 psi	950 mm	220 mm	6,43 kg/m	20 m
284048-R	203 mm	15,95 psi	9,21 psi	950 mm	220 mm	6,43 kg/m	By the metre
284049-1,7	250 mm	13,05 psi	7,46 psi	1300 mm	267 mm	7,91 kg/m	1,7 m
284049-5	250 mm	13,05 psi	7,46 psi	1300 mm	267 mm	7,91 kg/m	5 m

foxiGarant PUR XXS



Scope of Application

For the pneumatic transport of flammable dusts and bulk materials (zone 20, 21, 22 inside), for aspiration of flammable dusts (zone 20, 21, 22 inside) and nonflammable dusts. For transport of gases and flammable liquids.

Properties

- Inside: extremely smooth
- More abrasion-resistant than common PU hoses
- Highly flexible
- Highly resistant to vertex pressure
- Good handling

- Wall thickness: approx. 2.5 mm
- Conductive
- Bacteria-resistant and hydrolysis-stabilized

Material

- 100% highly abrasion-resistant polyester PUR
- Spiral: spring steel wire, copper-coated

Temperature Range

- -40°C to +90°C

		Vacuum			
125 mm	31,18 psi	13,77 psi	350 mm	4,4 kg/m	10 m
125 mm	31,18 psi	13,77 psi	350 mm	4,4 kg/m	10 m

foxiGarant PUR L



Scope of Application

- Suction and feed hose for abrasive solids
- Gaseous and liquid media
- Suction of paper and textile fibers
- Transport of fine-grained particles, such as dust and powder
- Suction of oil mist
- Protective hose for mechanical load

Properties

- Highly abrasion-resistant
- Oil resistant and petrol resistant, gastight
- Good chemical resistance
- Unplasticized, free of halogens
- UV and ozone resistant
- Light, extremely flexible
- Lowest bend radii
- High tensile and tearing strength
- Inside: smooth, hence fluidically optimal
- Leakage of electrostatic charges according to ZH I/200 when the spiral is grounded

Material

- Wall: 100% pure polyester polyurethane (according to DIN 53516 about 30% more abrasionresistant than comparable polyether polyurethane)
- Spiral: spring steel wire

Temperature Range

- -40°C to +90°C, for a short time up to +125°C

Chemical Resistance

- See resistance list register no. 15

Delivery forms

Available for delivery from stock:

- DN 25 - DN 500
- Color: transparent

Available on request:

- Colored
- With customer imprint
- Special lengths
- Bacteria-resistant
- Hydrolysis-stabilized
- Electrically conducting

All the information refers to a media and ambient temperature of +20°C. Technical changes and color deviations reserved. Please take into account the technical appendix when selecting the hoses.

Ø		Vacuum		Ø	kg	
25 mm	46,7 psi	11,38 psi	31 mm	31 mm	0,25 kg/m	10 m, 15 m
32 mm	36,55 psi	10,31 psi	40 mm	40 mm	0,35 kg/m	10 m, 15 m
38 mm	30,45 psi	9,60 psi	46 mm	46 mm	0,39 kg/m	10 m, 15 m
40 mm	30,45 psi	9,60 psi	48 mm	48 mm	0,40 kg/m	10 m, 15 m
45 mm	26,68 psi	8,52 psi	53 mm	53 mm	0,42 kg/m	10 m, 15 m
50 mm	24,36 psi	7,46 psi	58 mm	58 mm	0,45 kg/m	10 m, 15 m
55 mm	22,33 psi	6,39 psi	63 mm	63 mm	0,51 kg/m	10 m, 15 m
60 mm	20,30 psi	6,39 psi	68 mm	68 mm	0,53 kg/m	10 m, 15 m
65 mm	18,27 psi	5,33 psi	73 mm	73 mm	0,64 kg/m	10 m, 15 m
70 mm	16,24 psi	5,33 psi	78 mm	78 mm	0,68 kg/m	10 m, 15 m
75 mm	16,24 psi	4,26 psi	84 mm	84 mm	0,72 kg/m	10 m, 15 m
80 mm	14,21 psi	4,26 psi	88 mm	88 mm	0,76 kg/m	10 m, 15 m
90 mm	12,18 psi	3,20 psi	99 mm	99 mm	0,88 kg/m	10 m, 15 m
100 mm	12,18 psi	3,20 psi	110 mm	110 mm	0,95 kg/m	10 m, 15 m
110 mm	10,15 psi	3,20 psi	119 mm	119 mm	1,03 kg/m	10 m, 15 m
115 mm	10,15 psi	3,20 psi	124 mm	124 mm	1,06 kg/m	10 m, 15 m
120 mm	10,15 psi	3,20 psi	129 mm	129 mm	1,12 kg/m	10 m, 15 m
125 mm	10,15 psi	3,20 psi	135 mm	135 mm	1,18 kg/m	10 m, 15 m
130 mm	8,12 psi	3,20 psi	139 mm	139 mm	1,20 kg/m	10 m, 15 m
140 mm	8,12 psi	2,13 psi	149 mm	149 mm	1,38 kg/m	10 m, 15 m
150 mm	8,12 psi	2,13 psi	161 mm	161 mm	1,48 kg/m	10 m, 15 m
160 mm	8,12 psi	2,13 psi	170 mm	170 mm	1,74 kg/m	10 m, 15 m
170 mm	6,09 psi	2,13 psi	180 mm	180 mm	1,80 kg/m	10 m, 15 m
175 mm	6,09 psi	2,13 psi	185 mm	185 mm	1,85 kg/m	10 m, 15 m
180 mm	6,09 psi	2,13 psi	190 mm	190 mm	1,90 kg/m	10 m, 15 m
200 mm	6,09 psi	2,13 psi	214 mm	214 mm	2,30 kg/m	10 m, 15 m
225 mm	4,06 psi	2,13 psi	235 mm	235 mm	2,55 kg/m	10 m, 15 m
250 mm	4,06 psi	2,13 psi	260 mm	260 mm	3,02 kg/m	10 m, 15 m
275 mm	4,06 psi	2,13 psi	284 mm	284 mm	3,11 kg/m	10 m
280 mm	4,06 psi	0,95 psi	290 mm	290 mm	3,14 kg/m	10 m
300 mm	3,62 psi	0,95 psi	310 mm	310 mm	3,20 kg/m	10 m
315 mm	3,62 psi	0,95 psi	325 mm	325 mm	3,32 kg/m	10 m
325 mm	3,62 psi	0,95 psi	335 mm	335 mm	3,40 kg/m	10 m
350 mm	1,88 psi	0,95 psi	360 mm	360 mm	3,60 kg/m	10 m
400 mm	1,88 psi	0,73 psi	410 mm	411 mm	4,45 kg/m	10 m
450 mm	1,88 psi	0,73 psi	460 mm	461 mm	5,06 kg/m	10 m
500 mm	1,88 psi	0,73 psi	510 mm	511 mm	5,70 kg/m	10 m

foxiGarant PE L-EL



Scope of Application

Specific suction and blower hose for aggressive media, particularly in danger zones requiring electric conductivity (explosion-prone areas), such as

- Extraction systems
- Industrial vacuum cleaners

Properties

- Electrically conductive
- Highly flexible
- Smooth on the inside
- Very high chemical resistance
- Very high resistance towards acids and lyes
- Abrasion-resistant

Construction

- Spiral ingrained in the hose wall in a torque-proof and nonshiftable way
- Wall thickness between the spirals approx. 0.75 mm

Material

- Spiral: encapsulated spring steel wire
- Wall: polyethylene (PE), electrically conductive
- Colour: black

Temperature Range

- -35°C to +80°C

		Vacuum				
50 mm	10,15 psi	9,42 psi	58 mm	58 mm	0,45 kg/m	10 m, 15 m
55 mm	9,57 psi	7,97 psi	63 mm	63 mm	0,51 kg/m	10 m, 15 m
60 mm	8,7 psi	7,68 psi	68 mm	68 mm	0,53 kg/m	10 m, 15 m
65 mm	7,68 psi	6,81 psi	73 mm	73 mm	0,64 kg/m	10 m, 15 m
70 mm	6,81 psi	6,81 psi	78 mm	78 mm	0,68 kg/m	10 m, 15 m
75 mm	7,10 psi	5,07 psi	84 mm	84 mm	0,72 kg/m	10 m, 15 m
80 mm	5,94 psi	5,07 psi	88 mm	88 mm	0,76 kg/m	10 m, 15 m
100 mm	5,36 psi	3,77 psi	110 mm	110 mm	0,95 kg/m	10 m, 15 m
110 mm	4,35 psi	3,77 psi	119 mm	119 mm	1,03 kg/m	10 m, 15 m
120 mm	4,35 psi	3,77 psi	129 mm	129 mm	1,12 kg/m	10 m, 15 m
125 mm	4,2 psi	3,77 psi	135 mm	135 mm	1,18 kg/m	10 m, 15 m
140 mm	3,33 psi	2,46 psi	149 mm	149 mm	1,38 kg/m	10 m, 15 m
150 mm	3,19 psi	2,46 psi	161 mm	161 mm	1,48 kg/m	10 m, 15 m
160 mm	3,19 psi	2,46 psi	170 mm	170 mm	1,74 kg/m	10 m, 15 m
175 mm	2,75 psi	2,46 psi	185 mm	185 mm	1,85 kg/m	10 m, 15 m
180 mm	2,75 psi	2,46 psi	190 mm	190 mm	1,90 kg/m	10 m, 15 m
200 mm	2,75 psi	2,46 psi	214 mm	214 mm	2,30 kg/m	10 m, 15 m
225 mm	2,17 psi	1,45 psi	235 mm	235 mm	2,55 kg/m	10 m, 15 m
250 mm	2,17 psi	1,37 psi	260 mm	260 mm	3,02 kg/m	10 m, 15 m
275 mm	2,17 psi	1,37 psi	284 mm	284 mm	3,11 kg/m	10 m, 15 m
300 mm	1,30 psi	1,37 psi	310 mm	310 mm	3,20 kg/m	10 m, 15 m
315 mm	1,30 psi	1,01 psi	325 mm	325 mm	3,32 kg/m	10 m, 15 m
325 mm	1,30 psi	1,01 psi	335 mm	335 mm	3,40 kg/m	10 m, 15 m
350 mm	0,87 psi	0,87 psi	360 mm	360 mm	3,60 kg/m	10 m, 15 m
400 mm	0,72 psi	0,87 psi	410 mm	410 mm	4,45 kg/m	10 m, 15 m

foxiGarant PUR L-EL



Scope of Application

Special suction and blower hose for abrasive solids, particularly in danger zones, where electric conductivity is required (areas subject to explosion hazards), such as

- Transportation of fine-grained powder and dust
- Suction of granules, chips, fibers
- Industrial vacuum cleaners
- Suction of liquid and gaseous media

Properties

- Electrically conductive, surface resistivity $\leq 10^9$ Ohm
- Simple application (approx. 0.75 mm wall thickness)
- Highly flexible
- Smooth on the inside
- Abrasion-resistant

Construction

- Spiral ingrained in the hose wall in a torque-proof and nonshiftable way
- Wall thickness between the spirals approx. 0.75 mm

Material

- Wall: highly abrasion-resistant polyester polyurethane, electrically conducting $\leq 10^9$ Ohm
- Spiral: encapsulated spring steel wire
- Colour: black

Temperature Range:

- -40°C to +90°C, for a short time up to +125°C

		Vacuum				
38 mm	30,45 psi	9,60 psi	46 mm	46 mm	0,39 kg/m	10 m, 15 m
40 mm	30,45 psi	9,60 psi	48 mm	48 mm	0,40 kg/m	10 m, 15 m
45 mm	26,68 psi	8,52 psi	53 mm	53 mm	0,42 kg/m	10 m, 15 m
50 mm	24,36 psi	7,46 psi	58 mm	58 mm	0,45 kg/m	10 m, 15 m
55 mm	22,33 psi	6,39 psi	63 mm	63 mm	0,51 kg/m	10 m, 15 m
60 mm	20,30 psi	6,39 psi	68 mm	68 mm	0,53 kg/m	10 m, 15 m
65 mm	18,27 psi	5,33 psi	73 mm	73 mm	0,64 kg/m	10 m, 15 m
70 mm	16,24 psi	5,33 psi	78 mm	78 mm	0,68 kg/m	10 m, 15 m
75 mm	16,24 psi	4,26 psi	84 mm	84 mm	0,72 kg/m	10 m, 15 m
80 mm	14,21 psi	4,26 psi	88 mm	88 mm	0,76 kg/m	10 m, 15 m
100 mm	12,18 psi	3,20 psi	110 mm	110 mm	0,95 kg/m	10 m, 15 m
110 mm	10,15 psi	3,20 psi	119 mm	119 mm	1,03 kg/m	10 m, 15 m
120 mm	10,15 psi	3,20 psi	129 mm	129 mm	1,12 kg/m	10 m, 15 m
125 mm	10,15 psi	3,20 psi	135 mm	135 mm	1,18 kg/m	10 m, 15 m
140 mm	8,12 psi	2,13 psi	149 mm	149 mm	1,38 kg/m	10 m, 15 m
150 mm	8,12 psi	2,13 psi	161 mm	161 mm	1,48 kg/m	10 m, 15 m
160 mm	8,12 psi	2,13 psi	170 mm	170 mm	1,74 kg/m	10 m, 15 m
175 mm	6,09 psi	2,13 psi	185 mm	185 mm	1,85 kg/m	10 m, 15 m
180 mm	6,09 psi	2,13 psi	190 mm	190 mm	1,90 kg/m	10 m, 15 m
200 mm	6,09 psi	2,13 psi	214 mm	214 mm	2,30 kg/m	10 m, 15 m
225 mm	4,06 psi	1,07 psi	235 mm	235 mm	2,55 kg/m	10 m, 15 m
250 mm	4,06 psi	1,07 psi	260 mm	260 mm	3,02 kg/m	10 m, 15 m
275 mm	4,06 psi	1,07 psi	284 mm	284 mm	3,11 kg/m	10 m, 15 m
300 mm	3,62 psi	0,95 psi	310 mm	310 mm	3,20 kg/m	10 m, 15 m
315 mm	3,62 psi	0,95 psi	325 mm	325 mm	3,32 kg/m	10 m, 15 m
325 mm	3,62 psi	0,95 psi	335 mm	335 mm	3,40 kg/m	10 m, 15 m
350 mm	1,88 psi	0,95 psi	360 mm	360 mm	3,60 kg/m	10 m, 15 m
400 mm	1,88 psi	0,73 psi	410 mm	411 mm	4,45 kg/m	10 m, 15 m
450 mm	1,88 psi	0,73 psi	460 mm	461 mm	5,06 kg/m	10 m, 15 m
500 mm	1,88 psi	0,73 psi	510 mm	511 mm	5,70 kg/m	10 m, 15 m

ULTRA-HIGH PRESSURE TECHNOLOGY

- Thermoplastic High-Pressure Hoses
- Rubber High-Pressure Hoses
- Adapters & Connectors
- Waterjet Protection
- Accessories

INDUSTRIAL AND SUCTION HOSES

- Suction and Pressure Hoses
- Tank Truck and Chemical Hoses
- Flat Hoses
 - Air Conveyor System Hoses
 - Fittings

SERVICE & MAINTENANCE

SEWER CLEANING

- Sewer Cleaning Hoses
- Cassette Boom Hoses
- Nozzles
- Sewer Cleaning Accessories

SEWER REHABILITATION

- Resins
- Glass Fiber Material
- Inversion lining systems and equipments
- Rehabilitation Packer
- Pipe and Test Sealing Cushions
- Accessories

PERSONAL PROTECTIVE EQUIPMENT (PPA)

- Protective Clothing
- Workplace Safety
- Barriers/Construction Site Safety
- Respiratory Protection
- Gas Detection/Self-Rescue
- Entry Safety Devices
- Lamps

