

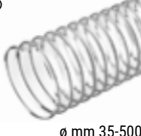





































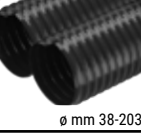

















# Industrial Hoses
















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VZ	<b>VULCANO® Z</b>	 ø mm 35-500	 	 +90°C -40°C	<b>Transparent ester-based TPU hose, reinforced with a zinc plated steel spiral.</b> Wall thickness from <b>0,35 to 0,5 mm</b> . Good resistance to abrasion, bending, mineral oils, ageing, weathering, UV rays and ozone. Conductive (R<10 <sup>2</sup> Ohm/m) by grounding the spiral. • Woodworking and carpentry, dust extraction, small industrial vacuum cleaners and for light-duty suction systems for abrasives.
ZR	<b>VULCANO® ZR</b>	 ø mm 40-500	 	 +90°C -40°C	<b>Transparent ester-based TPU hose, reinforced with a copper plated steel spiral.</b> Wall thickness from <b>0,35 to 0,5 mm</b> . Good resistance to abrasion, bending, mineral oils, ageing, weathering, UV rays and ozone. Conductive (R<10 <sup>2</sup> Ohm/m) by grounding the spiral. • Woodworking and carpentry, dust extraction, small industrial vacuum cleaners, light-duty suction systems for abrasives.
W4	<b>VULCANO® S1</b>	 ø mm 25-500	 	 +90°C -40°C	<b>Transparent ester-based TPU hose, reinforced with a copper plated steel spiral.</b> Constant wall thickness <b>0,4 mm</b> . Good resistance to abrasion, bending, mineral oils, ageing, weathering, UV rays and ozone. Conductive (R<10 <sup>2</sup> Ohm/m) by grounding the spiral • Carpentry and woodworking industry, dust extraction, small industrial vacuum cleaners; light-duty suction systems for abrasive dusts and sawdust.
VM FR	<b>VULCANO® M FR</b>	 ø mm 25-450	 	 +90°C -40°C	<b>Translucent ester-based TPU hose, reinforced with a copper coloured TPU coated steel spiral.</b> Wall thickness from <b>0,4 to 0,75 mm</b> . Lightweight, <b>highly flexible</b> and compressible (approx. 5:1). Good resistance to abrasion, bending, mineral oils, ageing, weathering, UV rays and ozone. Conductive (R<10 <sup>2</sup> Ohm/m) by grounding the spiral. • Extraction systems, ceramics and woodworking industries, suction of wood shavings, sawdust, fumes and abrasive dusts in industry.
VR FR	<b>VULCANO® R FR</b>	 ø mm 25-500	 	 +90°C -40°C	<b>Transparent ester-based TPU hose, reinforced with a copper coloured TPU coated steel spiral.</b> Wall thickness from <b>0,4 to 0,75 mm</b> . Resistant to mineral oils, ageing, weathering, UV rays and ozone. Conductive (R<10 <sup>2</sup> Ohm/m) by grounding the spiral. • Extraction systems, ceramics and woodworking industries, suction of wood shavings, sawdust, fumes and abrasive dust
VB	<b>VULCANO® 09 EST</b>	 ø mm 20-500	 	 +90°C -40°C  Peaks +125°C	<b>Translucent ester-based TPU hose, reinforced with a copper coloured TPU coated steel spiral.</b> Constant wall thickness <b>0,9 mm</b> . Excellent resistance to abrasion, mineral oils, ageing, weathering, UV rays and ozone. Conductive (R<10 <sup>2</sup> Ohm/m) by grounding the spiral. • Extraction systems, ceramics and woodworking industries, suction of wood shavings, sawdust, fumes and moderately abrasive dusts.
VC	<b>VULCANO® 15 EST</b>	 ø mm 20-500	 	 +90°C -40°C  Peaks +125°C	<b>Translucent ester-based TPU hose, reinforced with a copper coloured TPU coated steel spiral.</b> Smooth inner surface to enhance the passage of powders and granules. Constant wall thickness <b>1,5 mm</b> . Excellent resistance to abrasion, mineral oils, UV rays, ozone, weathering. Conductive (R<10 <sup>2</sup> Ohm/m) by grounding the spiral. • Suction of granules, powders, pellets, shavings and materials with medium to high abrasive power.
TH 01	<b>VULCANO® STONE</b>	 ø mm 38-254	  	 +90°C -40°C  Peaks +125°C	<b>Translucent antimicrobial ester-based TPU hose with copper coloured TPU coated steel spiral.</b> Constant wall thickness <b>2,0 mm</b> . Smooth inner surface. Very robust and resistant to highly abrasive materials. Conductive (R<10 <sup>2</sup> Ohm/m) by grounding the spiral • Suction of gravel and debris, used in the construction industry and on suction excavator trucks.
TH 07	<b>VULCANO® STONE PLUS</b>	 ø mm 40-254	  	 +90°C -40°C  Peaks +125°C	<b>Translucent antimicrobial ester-based TPU hose with copper coloured TPU coated steel spiral.</b> Constant wall thickness <b>2,5 mm</b> . Smooth inner surface. Very robust and resistant to extremely abrasive materials. Conductive (R<10 <sup>2</sup> Ohm/m) by grounding the spiral • Suction of gravel and debris, used in the construction industry and on suction excavator trucks.
EB EC	<b>VULCANO® 09/15 EL</b>	 ø mm 38-203	 	 +90°C -40°C  Peaks +125°C	<b>Black ester-based TPU hoses, with copper coloured TPU-coated steel spiral.</b> Material with permanent electrical conductive properties (R<10 <sup>4</sup> Ohm/m). Constant wall thickness <b>0,9</b> or <b>1,5 mm</b> . Conductive (R<10 <sup>2</sup> Ohm/m) by grounding the spiral • Applications in ATEX-compliant environments. For extraction systems, ceramics and woodworking industries, suction of wood shavings, sawdust, fumes and abrasive dusts.
N7 N9 N5	<b>NEXT 07/09/15</b>	 ø mm 25,4-305 / 25,4-305 / 40-203	 	 +90°C -40°C  Peaks +125°C	<b>Transparent ester-based TPU hoses with a copper coloured TPU-coated steel spiral.</b> Completely smooth inner surface. Constant wall thickness: <b>0,7/0,9/1,5 mm</b> . Manufactured with a special TPU that makes the wall material permanent antistatic (R<10 <sup>9</sup> Ohm/m) and UV-resistant. Conductive (R<10 <sup>2</sup> Ohm/m) by grounding the spiral. • Extraction of wood chips, sawdust, fumes and abrasive dusts, even under critical conditions.
OU 01 OP 01	<b>EOLO PU/ PUP EST</b>	 ø mm 13-300	 	 +80°C -40°C	<b>Transparent ester-based TPU hoses with a rigid, anti shock dark grey PVC spiral.</b> Wall thickness from <b>0,4 to 0,8 mm</b> and from <b>0,8 to 1,2 mm</b> respectively. Good resistance to abrasion and bending. On request, AS version with copper wire (codes OU02/OP02). • Suction of dust, chips and abrasive granules. Ideal for the plastics, ceramics and woodworking industries.
OU 86	<b>EOLO PU EST ASW</b>	 ø mm 13-300	 	 +80°C -40°C	<b>Transparent ester-based TPU hose, with permanent antistatic properties (R&lt;10<sup>9</sup> Ohm/m) and a dark grey, anti-shock rigid PVC spiral.</b> Good resistance to abrasion and bending; wall thickness from <b>0,4 to 0,8 mm</b> . On request, AS version with copper wire (Code OU87). • Suction of abrasive dust, chips, granules and abrasive substances in industry in general.



OZ 01	<b>ZEUS PU EST</b>	 ø mm 30-102		 +80°C -40°C	<b>Transparent ester-based TPU hose with a dark grey, anti shock rigid PVC spiral.</b> Wall thickness from 1,2 to 2,0 mm. Excellent resistance to abrasion and bending. AS version with copper wire available on request (Code OZ02). • Suction of abrasive dust, chips, granules and highly abrasive substances in industry in general.
UR 01	<b>URANO PU</b>	 ø mm 31,8-152,4		 +60°C -25°C	<b>Grey PVC-P hose with a red, anti-abrasive TPU inner layer and a rigid, anti shock PVC spiral.</b> Smooth inner surface, semi-smooth outer surface. Suitable for use in harsh conditions and environments with high levels of abrasion. On request, AS version with brass-plated steel wire embedded in the plastic wall (code UR02). • In construction and industry in general, suction and discharge of abrasive liquids.
UH 01	<b>URANO HD SUPER</b>	 ø mm 63,5-152		 +60°C -25°C	<b>Blue PVC-P hose with a red, anti-abrasive TPU inner layer reinforced with an anti shock rigid PVC spiral.</b> Smooth inner surface, semi-smooth outer surface. AS version with copper wire available on request (code UH02). • Suction and discharge of highly abrasive substances (slurry, sand, cement, grit, small gravel) in the construction sector and industry in general.
NEW GO 02	<b>ARGO</b>	 ø mm 50,8-203		 +60°C -25°C	<b>Grey PVC-P hose with a red, antiabrasive TPU inner layer, an anti shock rigid PVC spiral and a copper wire between the spirals.</b> Smooth inner surface and corrugated outer surface to make the hose easier to handle. Sturdy and abrasion resistant. • Suction and discharge of extremely abrasive substances (slurry, sand, cement, grit, small gravel and concrete) in the construction, sandblasting and industry in general.
AU	<b>ARIANNA PU</b>	 ø mm 6-13		 +80°C -40°C	<b>Blue TPU hose, reinforced with high tenacity polyester yarn.</b> Very lightweight and flexible even at low temperatures; high abrasion resistance. • Compressed air, pneumatic systems, cooling circuits, spray painting, sandblasting.







## Air, fumes and gases



ES	<b>EOLO SL</b>	 ø mm 14-203		 +50°C -10°C	<b>Light blue PVC-P hose with anti shock rigid PVC spiral.</b> Perfectly smooth inner surface, corrugated outer surface. The lightest in the entire Eolo range. Resistant to low temperatures. • Extraction of air, fumes and gases. Air conditioning, industrial ventilation.
EL 01	<b>EOLO L</b>	 ø mm 25-305		 +50°C -10°C	<b>Dark grey PVC-P hose with an anti shock rigid PVC spiral reinforcement.</b> Perfectly smooth inner surface, corrugated outer surface. On request, AS version with copper wire (Code EL 02). • Industrial ventilation and air conditioning: extraction of air, fumes, gases, dust and sawdust.
EO 01	<b>EOLO</b>	 ø mm 13-300		 +50°C -10°C	<b>Grey PVC-P hose with a rigid, anti shock PVC spiral.</b> Perfectly smooth inner surface, corrugated outer surface. Very lightweight and flexible. AS version with copper wire available on request (Code EO 02). • Extraction of air, fumes, gases, dust and sawdust. Industrial air conditioning and ventilation.
EE 01	<b>EOLO SE</b>	 ø mm 16-250		 +60°C -25°C	<b>Light blue PVC-P hose with a rigid, anti shock PVC spiral.</b> Smooth inner surface, corrugated outer surface. Flexible even at low temperatures. On request, AS version with copper wire (Code EE 02). • Used where a highly flexible hose with vacuum resistance is required; ventilation systems, industrial air conditioning and for the extraction of fumes and gases in industry.


















## High temperatures



TR 01	<b>EOLO TERMORESISTENTE</b>	 ø mm 40-505		 +100°C -20°C	<b>Grey flexible hose made of polyester fabric coated with self-extinguishing PVC. Steel spiral embedded between the two layers.</b> The material is self-extinguishing, according to UL 94 V(TM)-0 and NFP 92 503 (class M2). Axial compressibility 8:1. • Civil and marine air-conditioning systems, ventilation, extraction of fumes, vapours, dust and gases in industry.
H1	<b>EOLO HT 180°C</b>	 ø mm 40-505		 +180°C -40°C	<b>Dark grey flexible hose, made of polyester fabric, coated with self-extinguishing TPU and steel spiral reinforcement embedded between the two layers.</b> The material is self-extinguishing, according to UL94 V(TM)-0, grade M1 – NFP 92-503 and grade FAR25- 853-of NF EN 2310. Free from silicone, plasticisers and phthalates. • Industrial ventilation, extraction of gases, fumes, vapours and welding fumes.

























# High temperatures



VT 01	<b>VULCANO® TPR-A</b>	 ø mm 32-406	 	 +125°C -40°C	<b>Black TPV hose with a green identification stripe, and a steel spiral embedded between the two layers.</b> Lightweight and flexible, it offers excellent resistance to high temperatures, chemicals and abrasion. Conductive (R<10² Ohm/m) by grounding the spiral. • Extraction of air and hot fumes in the chemical industry and on shipyards.
EY	<b>EOLO CLIP HYPALON</b>	 ø mm 50-900	 	 +170°C -40°C  Peaks +190°C	<b>Dark grey hose made of polyester fabric coated with Hypalon®, with a galvanised steel spiral clipped to the wall.</b> Axial compressibility (4:1). Highly flexible, resistant to vibrations, mineral oils, alkalis, acids and many chemicals. • Extraction of chemical fumes and vapours up to 170 °C. Suitable for installation in narrow spaces.
H4	<b>EOLO HT 400°C</b>	 ø mm 50-900		 +400°C -60°C	<b>Grey hose, made of glass fibre fabric, reinforced with steel. Galvanised steel "clamp profile".</b> Resistant to high temperatures up to 400°C. Flameretardant. Good axial compressibility 3:1. • Extraction of gases, vapours, welding fumes and furnace exhaust gases, dust and fibres.
H5	<b>EOLO HT 450°C</b>	 ø mm 50-900		 +450°C -60°C	<b>Grey, double-layer hose with silicone coated glass fibre fabric outer layer and raw glass inner layer. Galvanised steel "clamp profile".</b> Withstands high temperatures up to 450°C. Flame retardant. Good axial compressibility, up to 6:1. • Extraction and delivery systems for welding fumes, vapours, furnace exhaust gases, dust and fibres, in the aviation and defence industries.
P4 35	<b>SILDUCT 2S</b>	 ø mm 25-305		 +250°C -70°C  Peaks +310°C	<b>Red flexible hose, made of a double layer of glass fibre fabric, silicone-coated; embedded steel wire spiral and a double outer glass fibre cord.</b> • Industrial extraction of exhaust gases and welding fumes and ventilation. Used in the mechanical, automotive and plastics industries.









# Flame retardant



UF 07	<b>VULCANO® AF PLUS</b>	 ø mm 25-406	 	 +90°C -40°C	<b>Translucent ether-based TPU hose, reinforced with a copper-coloured TPU coated steel spiral.</b> The wall material is permanent antistatic (R<10⁹ Ohm/m), resistant to UV, microbes and hydrolysis. The material is also flame-retardant, in accordance with UL 94-V0, as well as the hose is self-extinguishing, according to German standard DIN 4102-B1. Constant wall thickness <b>0,5 mm</b> . Conductive (R<10² Ohm/m) by grounding the spiral. • Extraction of sawdust and abrasive dust in the woodworking and industry.
U9 01	<b>VULCANO® 09 AF</b>	 ø mm 25-500	 	 +90°C -40°C  Peaks +125°C	<b>Translucent ether-based TPU hose, reinforced with a copper-coloured TPU coated steel spiral.</b> The wall material is permanent antistatic (R<10⁹ Ohm/m), resistant to UV, microbes and hydrolysis. The material is also flame-retardant, according to UL 94-V0, as well as the hose is self-extinguishing in compliance with the German standard DIN 4102-B1. Constant wall thickness <b>0,9 mm</b> . Conductive (R<10² Ohm/m) by grounding the spiral. • Extraction of sawdust and abrasive dust in the woodworking and industry.
VP 04	<b>VULCANO® PVC AF</b>	 ø mm 60-203	 	 +60°C -10°C	<b>Black PVC-P hose with steel spiral.</b> Slightly corrugated inner and outer surfaces. The hose is flame-retardant, according to UL 94 V0. Constant wall thickness <b>0,6 mm</b> . Conductive (R<10² Ohm/m) by grounding the spiral. • Suction of sawdust and abrasive dust in the woodworking industry, industrial dust extraction systems.
<b>NEW</b> N7 04	<b>NEXT 07 AF</b>	 ø mm 50,8-203	 	 +90°C -40°C	<b>Transparent ether-based TPU hose, reinforced with a copper-coloured TPU coated steel spiral.</b> Constant wall thickness <b>0,7 mm</b> . Special TPU that makes the wall material permanent antistatic (R<10⁹ Ohm/m) and UV-resistant. The material is flame-retardant, according to UL 94 V0. Conductive (R<10² Ohm/m) by grounding the spiral. • Extraction systems, ceramics and woodworking industries, suction of wood shavings, sawdust, fumes and abrasive dusts.
FF 01	<b>EOLO PU AF</b>	 ø mm 19-160	 	 +80°C -40°C	<b>Transparent ester-based TPU hose, flame retardant to UL 94 V2, with an ivory anti shock rigid PVC spiral.</b> Perfectly smooth inner surface; very light and flexible. On request AS version with copper wire (Code FF 02). • Suction of dust, chips, granules and abrasive substances in general industrial applications and where self-extinguishing properties are required.
EF 75	<b>EOLO PVC AF</b>	 ø mm 20-300	 	 +50°C -10°C	<b>Green PVC-P hose, with flame-retardant additives reinforced with a rigid, anti shock PVC spiral.</b> The material is self-extinguishing, according to UL 94 V0. On request, AS version with copper wire (Code EF 76). • Industrial ventilation and air conditioning: extraction of air, fumes and gases; used in industry and shipbuilding.

# Petrochemical



OI 01	<b>APOLLO OIL</b>	 ø mm 20-203	 	 +60°C -25°C	<b>Blue PVC-NBR hose, with an embedded rigid anti shock PVC spiral.</b> Extremely robust and resistant to crushing, abrasion, weathering and numerous chemicals. On request, AS version with copper wire (Code OI 02). • Suction and delivery of mineral oils, lubricants and crude fuel (naphtha, diesel).
<b>NEW</b> AY 01	<b>APOLLO BUNA</b>	 ø mm 20-305	 	 +60°C -25°C	<b>Metallic grey hose, made from a special PVC-NBR compound, with an embedded rigid anti shock PVC spiral.</b> Smooth inner surface, slightly corrugated outer surface. Strong and resistant to crushing, abrasion, weathering and chemicals. On request, AS version with copper wire (Code AY 02). • Suction and delivery of mineral oils, lubricants, crude fuel (naphtha, diesel).


















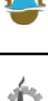
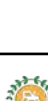













<b>NEW</b> AI 01	<b>APOLLO IDRO BUNA</b>  Ø mm 50,8-102		 +60°C -25°C	<b>Metallic grey hose, made from a special PVC-NBR compound, reinforced with an anti shock square rigid PVC spiral.</b> Completely smooth inside and outside, robust and highly resistant to several chemicals, weathering and mineral oils. On request, AS version with copper wire (Code AI 02). • Suction and discharge of mineral oils and crude fuels (naphtha, diesel).
PK	<b>PLUTONE PRESS CHEMICAL</b>  Ø mm 20-102		 +80°C -30°C	<b>White/beige TPV thermoplastic rubber hose with a green outer surface featuring a white longitudinal stripe, reinforced with a steel spiral and polyester yarn.</b> Good resistance to ageing, weathering, ozone and chemicals. Conductive ( $R < 10^2$ Ohm/m) by grounding the spiral. • Suction and delivery of acids, alkalis and chemicals in industrial applications.
PH	<b>PLUTONE PRESS OIL</b>  Ø mm 20-102		 +80°C -30°C	<b>Black hose with a brown identification stripe on the outer layer, inner layer made of a special PVC/NBR alloy, with a steel spiral and polyester yarn.</b> Conductive ( $R < 10^2$ Ohm/m) thanks to the copper wire embedded between the two layers. • Suction and delivery of mineral oils, lubricants, crude fuels (naphtha, diesel), biodiesel and as a return line in hydraulic circuits.
MT 01	<b>MARTE A.O.</b>  Ø mm 19-203		 +60°C -10°C	<b>Dark blue hose made from a special antimigration PVC-P compound, with a rigid anti-shock PVC spiral.</b> Completely smooth inner surface. Good resistance to ageing, abrasion, weathering and ozone. On request, AS version with copper wire (Code MT 02). • Suction and discharge of mineral oils, lubricants and crude fuels (naphtha, diesel).
SQ	<b>SPIRALPRESS OIL</b>  Ø mm 50,8-102		 +60°C -10°C	<b>Black hose made from a special PVC-NBR compound, with a rigid anti shock PVC spiral and polyester yarn.</b> Exposed spiral. Highly resistant to oils and lubricants. Conductive ( $R < 10^2$ Ohm/m) by grounding the copper wire beneath the PVC spiral. • Suction and discharge of oil and gasoline with aromatic content up to 50%. Banding coil available on request (code SC EN).
AT 11	<b>ARIANNA TA FUEL</b>  Ø mm 05-10		 +60°C -10°C	<b>Black hose made from a special antimigration PVC-P compound, with polyester yarn reinforcement and a PVC-P outer layer.</b> Completely smooth inner and outer surfaces; good resistance to weathering, chemicals, ozone and mineral oils. Very flexible, lightweight and easy to handle. • Transport of fuels (petrol), lubricants and mineral oils.





















































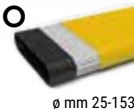




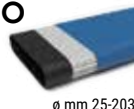




## Fluids handling



AX 01	<b>APOLLO SE</b>  Ø mm 19-305	 	 +60°C -25°C	<b>Blue PVC-P hose with an extruded red stripe, featuring a rigid anti shock PVC spiral.</b> Completely smooth inside, semi-smooth outer surface. Robust and flexible, resistant to heavy loads, weathering and many chemicals. On request, AS version with copper wire (Code AX 02). Suction and discharge of liquids and wastewater in industry and agriculture.
A1 01	<b>APOLLO NLI</b>  Ø mm 25,4-203	 	 +60°C -25°C	<b>Grey super-elastic PVC-P hose with a light blue anti-shock rigid PVC spiral.</b> Special formulation designed to keep high flexibility even at low temperatures. Exposed spiral. It is resistant to weathering and several chemicals. On request, AS version with copper wire (A1 02). • Drainage and agriculture: suction and discharge of wastewater and industrial liquids, on tankers.
AS 01	<b>APOLLO SUPERFLEX</b>  Ø mm 20-203	 	 +50°C -40°C	<b>Black PVC/NBR hose with an anti shock rigid PVC spiral.</b> Specially formulated to keep high flexibility even at extremely cold weather conditions. On request, AS version with copper wire (AS 02). • Drainage and agriculture: suction and discharge of industrial liquids and wastewater, used on tankers and water treatment vehicles.
SF 01	<b>APOLLO SUPERFLEX 2</b>  Ø mm 50,8-152	 	 +50°C -40°C	<b>Black PVC/NBR hose with a grey, anti shock rigid PVC spiral.</b> The spiral profile is slightly exposed. It keeps high flexibility at extremely cold temperatures. On request, AS version with a copper wire (code SF02). Suction and discharge of industrial liquids and wastewater, particularly suitable on water treatment vehicles.
TL 01	<b>APOLLO TOTAL</b>  Ø mm 40-152	 	 +50°C -40°C	<b>Black special PVC/NBR hose, reinforced with a green anti shock rigid PVC spiral.</b> The lightest, most flexible and highest performing solution in the whole Apollo range for water treatment. Profile with a slightly exposed spiral. It keeps high flexibility at extremely cold temperatures. On request, AS version with copper wire (code TL02). Suction and discharge of industrial liquids and wastewater.
WT	<b>SPIRALPRESS WT</b>  Ø mm 38,1-254	 	 +60°C -10°C	<b>Transparent hose made from special PVC-P, with polyester yarn and an orange, anti shock rigid PVC spiral.</b> Smooth inside and corrugated outside. Ideal for both delivery and suction applications, with no risk of longitudinal deformation. Food grade, according to EU 10/2011 (classes A, B, C, D1). Banding coil available on request (Code SC EN). Suction and discharge of water, even at high pressures and under severe conditions; for the transport of fish in aquaculture.
<b>NEW</b> TN	<b>TRITON</b>  Ø mm 152-305	 	 +60°C -25°C	<b>Transparent PVC-P hose with an abrasion resistant TPU lining, featuring a light blue, anti shock rigid PVC spiral.</b> Completely smooth inside. Resistant to abrasion and low temperatures. Specifically designed for the suction and transfer of fish in fish farms.






# Fluids handling



























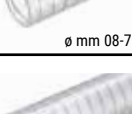





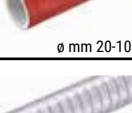








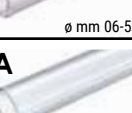





PW	<b>PLUTONE PRESS WATER</b>  Ø mm 20-102	  	 +60°C -25°C	<b>Black hose made from a special PVC-P compound, with a yellow identification stripe, polyester yarn and a steel spiral.</b> Highly flexible, smooth and easy to handle, it withstands low temperatures. It can be made conductive (R<10 <sup>2</sup> Ohm/m) by grounding the spiral. • Suction and delivery of water and liquids; used for irrigation.
GI 06	<b>GIOVE SE</b>  Ø mm 25-305	  	 +60°C -25°C	<b>Light blue PVC-P hose with a rigid, anti shock PVC spiral.</b> Smooth inside, semi-smooth outside. Resistant to loads, abrasion, weathering, chemicals and low temperatures. On request, AS version with copper wire (Code GI 16). • Suction and discharge of water, sewage, sludge, wood pulp, acids, latex, grit and other materials.
XL 01	<b>SATURNO L</b>  Ø mm 19-200	  	 +60°C -10°C	<b>Transparent green PVC-P hose with an ivory, anti shock and crush resistant rigid PVC spiral.</b> Inside completely smooth, outer surface semi-smooth. Easy to handle, lightweight and flexible. Resistant to loads, ozone, weathering and many chemicals. Food grade, according to EU 10/2011 (classes A, B, C). • For irrigation; in agriculture, suction and delivery of liquids, fertilisers and solutions commonly used in the sector; on manure spreaders.
XL 06	<b>SATURNO L SE</b>  Ø mm 13-203	  	 +60°C -25°C	<b>Dark green transparent PVC-P hose with an ivory, anti shock and crush resistant rigid PVC spiral.</b> Completely smooth inside, slightly corrugated outside. It keeps high flexibility even at low temperatures. • In agriculture, suction and delivery of liquids; ideal for manure spreaders. 3 colour versions available on request.
SI 06	<b>SATURNO IDRO SE</b>  Ø mm 16-65	  	 +60°C -25°C	<b>Transparent PVC-P hose with a clear anti shock rigid PVC spiral.</b> Completely smooth inside and outside. Fully transparent for an easy detection. • Suitable for heavy-duty applications, as sanitary hose on boats and liquid drainage systems in agriculture and industry.
QP 01	<b>AQUAPOOL</b>  Ø mm 20-55	 	 +60°C -10°C	<b>White PVC-P hose with an anti shock and crush-resistant rigid PVC spiral.</b> Completely smooth inside. Good resistance to chemicals, weathering and ageing. Lightweight, highly flexible and easy to handle. • Suction and transfer of water in the filtration systems of swimming pools and whirlpool baths at spas.
<b>NEW</b> QPHR	<b>AQUAPOOL CHLORINE RESISTANT</b>  Ø mm 20-55	 	 +60°C -10°C	<b>White hose, made from a special PVC-P formulation, with a tiffany blue colored internal protective anti-chlorine film, featuring an anti shock and crush resistant rigid PVC spiral.</b> Completely smooth inner surface. Excellent resistance to chemicals, weathering and ageing. Lightweight, highly flexible and easy to handle. • Suction and delivery of water in the purification circuits of swimming pools at spas and wellness centres.
LU 01	<b>NAUTILUS ODOR PROOF</b>  Ø mm 16-50,8	 	 +60°C -10°C	<b>White hose made from special PVC-P, with a rigid, anti shock PVC spiral.</b> Odour proof formulation, eliminating the risk of unpleasant odours spreading. Completely smooth inner and outer surfaces. Crush resistant and highly flexible. • Suction and discharge of waste liquids in sanitary systems on vessels.
NXNF	<b>NETTUNO SE</b>  Ø mm 13-300	  	 +60°C -25°C	<b>Transparent PVC-P hose with an ivory, rigid, anti shock spiral.</b> Completely smooth inner surface and semi-smooth outer surface; excellent flexibility at low temperatures and load resistance. On request, AS version with copper wire (Code NX 02). • Suction and delivery of liquids commonly used in agriculture, on slurry spreaders and for spraying.
YV YQ YO	<b>ARIANNA 20/40/80 BAR</b>  Ø mm 06-25/06-13/08-13	  	 +60°C -10°C	<b>Black PVC-P hoses with beige, light blue or red identification stripes, reinforced with polyester yarn.</b> Resistant to weathering and most chemicals. • In agriculture, used for spraying and pressure delivery of fungicides, fertilisers and herbicides. Compressed air.
<b>NEW</b> MURX	<b>ARIANNA MULTIPURPOSE</b>  Ø mm 06-25	  	 +90°C -25°C	<b>Black PVC-P hose, with an inner layer made from a special PVC-NBR compound that maintains high flexibility even at low temperatures; reinforced with polyester yarn.</b> Good resistance to chemicals, ageing, mineral oils and weathering. • In industry, it is used for the pressure delivery of commonly used substances, such as water, compressed air, oils, lubricants and chemicals. In agriculture, for spraying.
<b>NEW</b> ML	<b>MERCURIO L</b>  Ø mm 25-153	  	 +60°C -10°C	<b>Lightweight PVC-P layflat (yellow with a black liner) reinforced with polyester yarn.</b> Very lightweight and easy to handle, resistant to ageing, UV rays, ozone, weathering and many chemicals. • In agriculture, used for irrigation and delivery of liquids commonly used in the sector.
MM	<b>MERCURIO M</b>  Ø mm 25-203	  	 +60°C -10°C	<b>PVC-P layflat, with a special PVC-NBR compound inner layer (blue with a black liner) and polyester yarn.</b> Extremely lightweight and easy to handle, it offers high resistance to ageing, UV rays, ozone, weathering and many chemicals. • In agriculture, used for irrigation and delivery of liquids commonly used in the sector.

# Food



VE	<b>VULCANO® 04 ET</b>  Ø mm 25-500	  	 +90°C -40°C	<b>Transparent ether-based TPU hose with grey TPU-coated steel spiral.</b> The wall material is permanent antistatic (R<10 <sup>9</sup> Ohm/m). Compressible (approx. 5:1). Constant wall thickness <b>0,4 mm</b> . Excellent resistance to abrasion, bending, microbes, hydrolysis, UV rays and ozone. Conductive (R<10 <sup>2</sup> Ohm/m) by grounding the spiral. Food-grade, according to EU 10/2011 (classes A, B, C, D2, E) and FDA CFR 21-Item 177.2600. • Food industry: light suction of abrasive dusts and food substances. Suitable for the transfer of fatty foods.
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
VK	<b>VULCANO® 09 ET</b>	 ø mm 20-500		 +90°C -40°C Peaks +125°C	<b>Translucent ether-based TPU hose with grey TPU-coated steel spiral.</b> Permanent antistatic wall material (R<10 <sup>9</sup> Ohm/m). Constant wall thickness of <b>0,9 mm</b> . Excellent resistance to hydrolysis, microbes, UV rays and weathering. Conductive (R<10 <sup>2</sup> Ohm/m) by grounding the spiral. Food-grade, according to EU 10/2011 (classes A, B, C, D1, D2, E) and FDA CFR 21-177.2600. • Suction of abrasive substances and dusts in the food and pharmaceutical industries.
VO	<b>VULCANO® 12 ET</b>	 ø mm 25-500		 +90°C -40°C Peaks +125°C	<b>Translucent ether-based TPU tubing, reinforced with a grey TPU-coated steel spiral.</b> Permanent antistatic wall material (R<10 <sup>9</sup> Ohm/m). Constant wall thickness of <b>1,2 mm</b> . Excellent resistance to hydrolysis and microbes, UV rays and weathering. Conductive (R<10 <sup>2</sup> Ohm/m) by grounding the spiral. Food-grade, according to EU 10/2011 (classes A, B, C, D1, D2, E) and FDA CFR 21-177.2600. • Suction of substances and dusts with medium abrasive power in the food and pharmaceutical industries.
VI	<b>VULCANO® 15 ET</b>	 ø mm 20-500		 +90°C -40°C Peaks +125°C	<b>Translucent ether-based TPU hose, reinforced with a grey TPU-coated steel spiral.</b> Permanent antistatic wall material (R<10 <sup>9</sup> Ohm/m). Constant wall thickness of <b>1,5 mm</b> . Excellent resistance to hydrolysis and microbes, UV rays and weathering. Conductive (R<10 <sup>2</sup> Ohm/m) by grounding the spiral. Food-grade, according to EU 10/2011 (classes A, B, C, D1, D2, E) and FDA CFR 21-177.2600. • Suction of substances and dusts with highly abrasive power, in the food and pharmaceutical industries.
N7 ET N9 ET N5 ET	<b>NEXT 07/ 09/15 ET</b>	 ø mm 25,4-305/25,4-305/40-203		 +90°C -40°C Peaks +125°C	<b>Series of transparent ether-based TPU hoses, with a grey AISI 302 stainless steel TPU coated spiral.</b> Constant wall thickness: <b>0,7/0,9/1,5 mm</b> . Permanent antistatic wall material (R<10 <sup>9</sup> Ohm/m), resistant to abrasion, microbes, hydrolysis, mineral oils, ageing, UV rays, weathering and ozone. Conductive (R<10 <sup>2</sup> Ohm/m) by grounding the spiral. Food grade, according to EU 10/2011 (classes A, B, C, D1, D2, E) and FDA CFR 21-Item 177.2600. • Suction of abrasive substances in food and pharmaceutical industries.
EU 01 EP 01	<b>EOLO PU/ PUP FOOD</b>	 ø mm 13-305/22-305		 +80°C -40°C	<b>Transparent ether-based TPU hose, with and an ivory, anti shock rigid PVC spiral.</b> Completely smooth inside. Corrugated outside. Wall thickness from <b>0,4 to 0,8 mm</b> and from <b>0,8 to 1,2 mm</b> respectively. Excellent resistance to abrasion, microbes and hydrolysis; highly flexible. Food-grade, according to FDA CFR 21-177.2600 and EU 10/2011 (classes A, B, C, D2, E). On request, AS version with copper wire (Code EU02/EP02). • Suction of powders and food abrasive substances. Suitable for the passage of edible fats. In agriculture, used on seed drills.
ZE 01	<b>ZEUS PU FOOD</b>	 ø mm 30-151,5		 +80°C -40°C	<b>Transparent ether-based TPU hose, with and an ivory, anti shock rigid PVC spiral.</b> Completely smooth inside. Corrugated outside. Wall thickness from <b>1,2 to 2,0 mm</b> . Excellent resistance to abrasion, microbes and hydrolysis; highly flexible. Food-grade, according to FDA CFR 21-177.2600 and EU 10/2011 (classes A, B, C, D2, E). On request, AS version with copper wire (Code ZE 02). • Suction of powders and food highly abrasive substances. Suitable for the passage of edible fats.
PY 01 PY 06	<b>PLUTONE A/ A SE</b>	 ø mm 06-151		 +60°C -10°C/ -25°C	<b>Transparent PVC-P hose with steel spiral. Plutone A SE</b> is made from a special PVC-P formulation that keeps <b>high flexibility</b> even at low temperatures. Resistant to weathering and most chemicals. Conductive (R<10 <sup>2</sup> Ohm/m) by grounding the spiral. Food grade, according to EU 10/2011 (classes A, B, C, D1) and FDA Reg. CFR 21 – Items 178.3790 – 176.170. • Suction and delivery of food liquids, beverages, wines and spirits with an alcohol content up to 50%; Suitable for milk and dairy products.
PQ 01	<b>PLUTONE PU</b>	 ø mm 08-76		 +90°C -40°C Peaks +125°C	<b>Transparent ether-based TPU hose with AISI 302 stainless steel spiral.</b> Completely smooth inside and outside. Conductive (R<10 <sup>2</sup> Ohm/m) by grounding the spiral. Excellent resistance to hydrolysis and microbes. Food-grade, according to EU 10/2011 (classes A, B, C, D2, E) and FDA CFR 21-Item 177.2600. • Suction of highly abrasive and food-grade liquids, powders and granules. Suitable for the transport of food liquids with an alcohol content up to 20%, vegetable oil and fatty foods.
PN 01	<b>PLUTONE PRESS PU</b>	 ø mm 13-51		 +90°C -40°C Peaks +125°C	<b>Transparent ether-based TPU hose with AISI 302 stainless steel spiral and polyester yarn.</b> Completely smooth inside and outside. Conductive (R<10 <sup>2</sup> Ohm/m) by grounding the spiral. Excellent resistance to hydrolysis and microbes. Food-grade, according to EU 10/2011 (classes A, B, C, D2, E) and FDA CFR 21-Item 177.2600. • Suction of highly abrasive and food-grade liquids, powders and granules. Suitable for the transport of food liquids with an alcohol content up to 20%, vegetable oil and fatty foods.
PF 01	<b>PLUTONE PRESS FOOD</b>	 ø mm 20-102		 +100°C -35°C	<b>Hygienic TPE-S hose, colored red with white longitudinal stripe and interior, featuring a steel spiral and polyester yarn.</b> Completely smooth inside and outside. Highly neutral in taste and odour. Conductive (R<10 <sup>2</sup> Ohm/m) by grounding the spiral. Food-grade, according to EU 10/2011 (classes A, B, C, D1) and FDA CFR 21-Item 177.2600. • Transfer of food-grade liquids, beverages, wines and spirits with an alcohol content up to 50%.
B2	<b>PLUTONE BIO</b>	 ø mm 06-151		 +60°C -10°C	<b>Transparent hose made from a special bio compound from renewable natural sources, with a steel reinforcement spiral.</b> Conductive (R<10 <sup>2</sup> Ohm/m) by grounding the spiral. Suitable for the transport of foodstuffs, including milk and dairy products, according to EU 10/2011 (classes A, B, C and D1) and FDA CFR 21 Item 176.170. • Suction and delivery of food liquids, milk and by-products, beverages, wine and spirits with an alcohol content up to 50%.
B3	<b>PLUTONE PRESS BIO</b>	 ø mm 10-102		 +60°C -10°C	<b>Transparent hose made from a special bio compound from renewable natural sources, with a steel reinforcement spiral and polyester yarn.</b> Conductive (R<10 <sup>2</sup> Ohm/m) by grounding the spiral. Suitable for the transport of foodstuffs, including milk and dairy products, according to EU 10/2011 (classes A, B, C and D1) and FDA CFR 21 Item 176.170. • Suction and delivery of food liquids, milk and by-products, beverages, wine and spirits with an alcohol content up to 50%.
B1	<b>ARIANNA BIO</b>	 ø mm 06-50		 +60°C -10°C	<b>Transparent hose made from a special bio compound from renewable natural sources, reinforced with polyester yarn.</b> Suitable for the transport of foodstuffs, including milk and dairy products, according to EU 10/2011 (classes A, B, C and D1) and FDA CFR 21 Part 176.170. • Transport of food grade liquids, milk and dairy products, beverages, wine and spirits with an alcohol content up to 50%. In agriculture, for irrigation.
A5	<b>ARIANNA TA</b>	 ø mm 06-50		 +60°C -10°C	<b>Transparent PVC-P hose, reinforced with polyester yarn.</b> Suitable for the transport of foodstuffs, including milk and dairy products, according to EU 10/2011 (classes A, B, C and D1) and FDA CFR 21 Part 176.170. • Transport of food grade liquids, milk and dairy products, beverages, wine and spirits with an alcohol content up to 50%. In agriculture, for irrigation.
YO CH	<b>CLEANWASH</b>	 ø mm 12x22-13x23		 +60°C -10°C	<b>Light blue PVC-P hose, reinforced with double polyester yarn. Outer cover made from a special grease-resistant compound.</b> Completely smooth inside and outside. Withstands 50 bar at 70 °C. Foodgrade, according to EU 10/2011 (classes A, B, C). • Transport of hot water and cleaning and sanitising solutions in the food industry.



CR 01	<b>CRISTALLO</b>  ø mm 03-25		 +60°C -10°C	<b>Transparent monolayer PVC-P hose, very lightweight and flexible.</b> Resistant to weathering and most chemicals. Food-grade, according to EU 10/2011 (classes A, B, C). • Ideal solution for transfer of food liquids, beverages, wine and spirits with an alcohol content of up to 20%.
SY	<b>SATURNO YELLOW</b>  ø mm 19-200		 +60°C -10°C	<b>Transparent yellow PVC-P hose with an ivory, anti shock rigid PVC spiral.</b> Completely smooth inside, semi-smooth outside. Resistant to loads, ozone, weathering and many chemicals. Suitable for food contact, according to EU 10/2011 (classes A, B, C). • Suction and delivery of liquids, fertilisers and solutions commonly used in agriculture; transport of food liquids.
NQ 01	<b>NETTUNO</b>  ø mm 13-305		 +60°C -10°C	<b>Transparent PVC-P hose with an ivory, anti shock rigid PVC-P spiral.</b> Completely smooth inside. Resistant to heavy loads, weathering and many chemicals. On request, AS version with copper wire (Code NQ 02). Food grade, according to EU 10/2011 (classes A, B, C, D1). • Suction and delivery of food powders, beverages, wine and spirits with an alcohol content up to 50%. In agriculture, used on tankers and liquid fertiliser spreaders.
NR 01	<b>NETTUNO PU</b>  ø mm 25-110		 +60°C -10°C	<b>Transparent PVC-P hose, with an ether based TPU inner layer and an ivory, anti shock rigid PVC spiral.</b> Completely smooth inside, resistant to loads, weathering and hydrolysis. On request, AS version with copper wire (Code NR 02). Food grade, according to EU 10/2011 (classes A, B, C, D2). • Light suction and delivery of food powders, liquids and beverages with an alcohol content up to 20%. Suitable for the passage of vegetable oil and fatty foods.
NQ EN	<b>NETTUNO ENO</b>  ø mm 13-305		 +60°C -10°C	<b>Transparent PVC-P hose with a red, anti shock rigid PVC spiral.</b> Completely smooth inside; this is the lightest and most easy to handle solution in the range designed for the wine industry. Food grade, according to EU 10/2011 (classes A, B, C, D1). • Suction and delivery of wine, vinegar and spirits with an alcohol content up to 50%.
BF	<b>BACCO</b>  ø mm 19-203		 +60°C -10°C	<b>Transparent PVC-P hose with a red, anti shock rigid PVC spiral.</b> Completely smooth inside; robust yet highly flexible. On request, AS version with copper wire (Code BF 02). Food grade, according to EU 10/2011 (classes A, B, C, D1). • Suction and delivery of wine, vinegar and beverages with an alcohol content up to 50%.
BS EN	<b>SPIRALPRESS ENO</b>  ø mm 38,1-254		 +60°C -10°C	<b>Transparent hose made from special PVC-P, specifically designed for the wine industry, featuring a red, anti shock rigid PVC spiral and polyester yarn.</b> Exposed spiral. Food grade, according to EU 10/2011 (classes A, B, C, D1). Red banding coil available on request (code SC EN). • Suction and delivery of beverages, wines and marc with an alcohol content up to 50%.
<b>NEW</b> SK	<b>SPIRALPRESS MILK</b>  ø mm 38-102		 +80°C -10°C	<b>White special PVC-P hose, with a light blue anti shock rigid PVC spiral and polyester yarn.</b> Specifically designed for the dairy industry. Good resistance to high pressures, with no risk of deformation. Food grade, according to EU 10/2011 (classes A, B, C, D1). • Suction and delivery of milk and dairy products, ideal solution on milk collection tankers.

# Pharmaceutical



HA	<b>PHARMAPRESS</b>  ø mm 6,4-25,4		 +100°C -30°C	<b>Translucent hygienic TPE-S hose, with polyester yarn.</b> Completely smooth inside and outside; odourless and tasteless. Excellent resistance to hydrolysis and microbes. Food grade, according to EU 10/2011 (classes A, B, C, D1) and FDA Regulation CFR 21-177.2600. Suitable for pharmaceutical applications in compliance with USP Class VI. • Transport of beverages, food liquids and pharmaceuticals, with an alcohol content up to 96%.
HS	<b>PHARMASTEEL</b>  ø mm 10-51		 +100°C -30°C	<b>Translucent hygienic TPE-S hose, with AISI 302 stainless steel spiral.</b> Completely smooth inside and outside; odourless and tasteless. Excellent resistance to hydrolysis and microbes. Food grade, according to EU 10/2011 (classes A, B, C, D1) and FDA Reg. CFR 21-177.2600. Suitable for pharmaceutical applications in compliance with USP Class VI. • Transport of beverages, food liquids and pharmaceuticals, with an alcohol content up to 96%.
HK	<b>PHARMASTEEL PRESS</b>  ø mm 13-102		 +100°C -30°C	<b>Translucent hygienic TPE-S hose, with AISI 302 stainless steel spiral and polyester yarn.</b> Completely smooth inside and outside; odourless and tasteless. Excellent resistance to hydrolysis and microbes. Food grade, according to EU 10/2011 (classes A, B, C, D1) and FDA Reg. CFR 21-177.2600. Suitable for pharmaceutical applications in compliance with USP Class VI. • Transport of beverages, food liquids and pharmaceuticals, with an alcohol content up to 96%.
WK	<b>SIL LIFE W</b>  ø mm 12,7-76,2		 +180°C -60°C	<b>Transparent white hose made of platinum cured silicone, with polyester textile reinforcement and an AISI 316L stainless steel spiral.</b> Completely smooth inside and outside; highly neutral in taste and odor, resistant to microbes and hydrolysis. Suitable for the transfer of pharmaceutical substances, according to USP CLASS VI and European Pharmacopoeia 3.1.9. Suitable for food contact, in compliance with FDA CFR 21- 177.2600, BFR and EU 10/2011 (classes A,B, C, D1). •Transport of critical products in the pharmaceutical, cosmetic, biotechnology and food sectors.
CL N7 CL N9	<b>CRYSTAL CLEAR-55</b>  ø mm 3,2-12,7		 +80°C -20°C	<b>Translucent pharmaceutical-grade TPE-S tubing for peristaltic pumps,</b> developed for applications in the pharmaceutical, cosmetic and food industries. Highly neutral in taste and odor, resistant to microbes, hydrolysis and liquids with an alcohol concentration up to 50%. Good chemical resistance to acids and alkaline solutions. Suitable for the transport of pharmaceutical substances, according to USP CLASS VI; food grade, according to EU 10/2011 (classes A, B, C, D1). •Dosing and transport of food and pharmaceutical liquids.