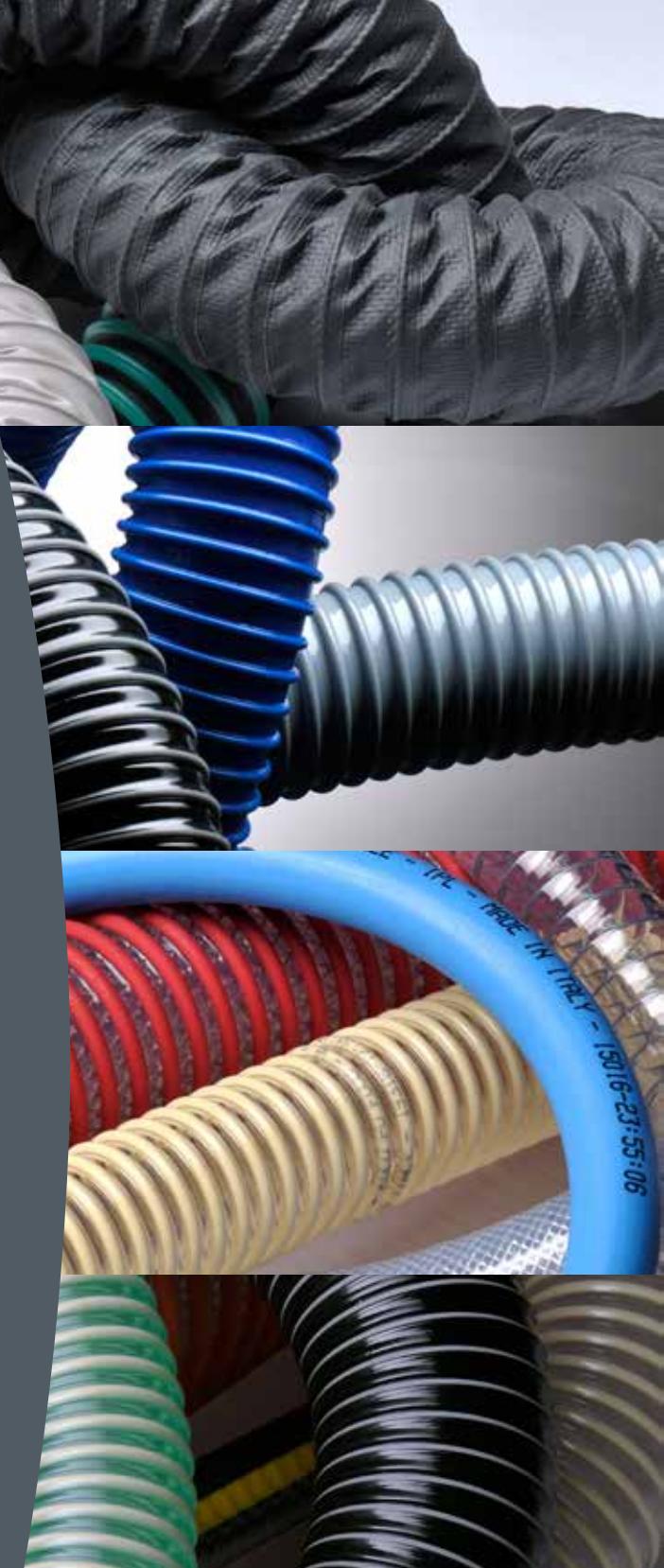




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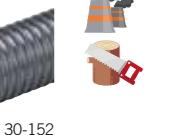
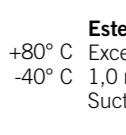
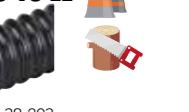
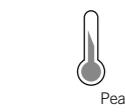
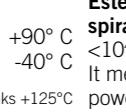
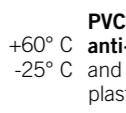
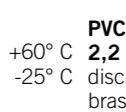
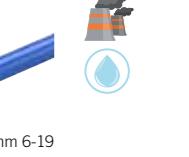
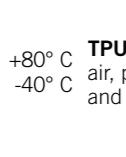
**Products 2020**



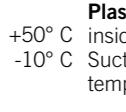
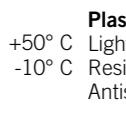
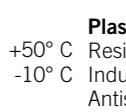
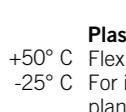
VZ	<b>VULCANO PU Z</b>				Ester based TPU duct reinforced with a zinc plated steel spiral. Wall thickness from 0,35 to 0,50 mm. Axially compressible (about 5:1). Woodworking, dedusting, vapours, small industrial cleaning and suction plants of light abrasive media. Conductive by grounding the spiral.
ZR	<b>VULCANO PU ZR</b>				Ester based TPU duct reinforced with a copper plated steel spiral. Wall thickness from 0,35 to 0,50 mm. Axially compressible (about 5:1). Woodworking, dedusting, vapours, small industrial cleaning and suction plants of light abrasive media. Conductive by grounding the spiral.
W4	<b>VULCANO PU S1</b>				Ester based TPU duct reinforced with a copper steel spiral. Constant wall thickness 0,4 mm for all the diameters. Axially compressible (about 5:1). Woodworking, dedusting, vapours, small industrial cleaning and suction plants of light abrasive media. Conductive by grounding the spiral.
VM FR	<b>VULCANO PU M FR</b>				Ester based TPU duct reinforced with TPU coated high adhesion steel spiral. Wall thickness from 0,4 mm to 0,75 mm; <b>maximum flexibility</b> , high compressibility (about 5:1) and lightness. Suction of wood chips, sawdust, abrasive powders, even at low temperatures. Conductive by grounding the spiral.
VR FR	<b>VULCANO PU R FR</b>				Ester based TPU duct reinforced with TPU coated high adhesion steel spiral. Wall thickness from 0,4 mm to 0,75 mm. Suction of wood chips, sawdust and abrasive powders. Conductive by grounding the spiral.
VB	<b>VULCANO PU H 09 EST</b>				Ester based TPU hose reinforced with a TPU coated copper colored steel spiral. Constant wall thickness of 1,5 mm for all diameters. Suction and delivery of highly abrasive granulates, powders, pellets and chips. For industrial cleaners and pulp and paper industry. Conductive by grounding the spiral.
VC	<b>VULCANO PU HDS 15 EST</b>				Ester based TPU hose reinforced with a TPU coated copper colored steel spiral that allows a high adhesion. Constant wall thickness 1,5 mm for all the diameters. Suction of abrasive powders, granulates, pellets and chips. For granulate conveying systems in the plastic industry, industrial vacuum cleaners, printing machines. To transport gravel, stones and aggregate. Conductive by grounding the spiral.
TH 01	<b>VULCANO PU STONE</b>				Ester based antimicrobial TPU reinforced with TPU coated steel spiral. Constant wall thickness of 2,0 mm. Strong and easy to handle. Suction of extreme abrasive media. Conductive by grounding the spiral.
TH 07	<b>VULCANO PU STONE PLUS</b>				Ester based antimicrobial TPU reinforced with TPU coated steel spiral. Constant wall thickness of 2,5 mm. Strong and easy to handle. Suction of extreme abrasive media. Conductive by grounding the spiral.
N7 N9 N15	<b>NEXT 07 - 09 - 15</b>				Ester based TPU duct reinforced with a TPU high adhesion coated copper coloured steel spiral. Wall material <b>permanent antistatic</b> (10 $\Omega$ hm/m); constant wall thickness mm <b>0,7/0,9/1,5</b> . Completely smooth inside. Suction of granules, abrasive powders, pellets, sawdust, fumes. Conductive by grounding the spiral.
OU	<b>EOLO PU EST</b>				Ester based TPU hose, reinforced with an anti-shock rigid PVC spiral. Excellent resistance to abrasion and torsion. wall thickness from 0,4 to 0,8 mm. Available on request the antistatic version with copper wire. Suction and delivery of abrasive granules, powders, pellets and fibres.
OU 86	<b>EOLO PU EST ASW</b>				Ester based TPU hose, reinforced with an anti-shock rigid PVC spiral. Wall thickness from 0,4 to 0,8 mm. Wall material permanent antistatic $R<10$ $\Omega$ hm/m. Excellent resistance to abrasion and torsion. Available on request the antistatic version with copper wire. Suction and delivery of abrasive granules, powders, pellets and fibres.

PQ	<b>PLUTONE PU</b>					Ether-based TPU with AISI 302 stainless steel spiral. Resistant to microbes and Hydrolysis. Transport of food grade abrasive powders and liquids (alcohol up to 20%), passage of olive oil and fatty food.
PF	<b>PLUTONE PF</b>					<b>TPE-S hygienic rubber, with steel spiral and Polyester reinforcement.</b> Transport of food grade liquids, wine (alcohol concentration up to 50%), milk and by-products.
B1	<b>ARIANNA BIO</b>					<b>Special bio-based compound with high tenacity Polyester reinforcement.</b> Delivery of food liquids (alcohol concentration up to 50%), milk and by-products.
B2	<b>PLUTONE BIO</b>					<b>Special bio-based compound reinforced with steel spiral.</b> Suction and delivery of food grade liquids (alcohol concentration up to 50%), milk and by-products.
B3	<b>PLUTONE PRESS BIO</b>					<b>Special bio-based compound reinforced with steel spiral and Polyester yarn.</b> Suction and delivery of food grade liquids (alcohol concentration up to 50%), milk and by-products.
A5	<b>ARIANNA TA</b>					<b>Transparent PVC hose reinforced by high tenacity Polyester yarn.</b> Delivery of food liquids and substances.
NQ	<b>NETTUNO FF</b>					<b>Plasticized vinylic compound reinforced with anti-shock rigid PVC spiral.</b> Suction and delivery of food powders and beverages (alcohol content up to 50%), milk and by-products. Antistatic version with copper wire available on request.
NR	<b>NETTUNO PU FF</b>					<b>Hose made with PVC and TPU liner, reinforced with PVC spiral.</b> Suction and delivery of food powders and beverages (alcohol concentration up to 20%), olive oil and fatty food. Antistatic version with copper wire available on request.
BS EN	<b>SPIRALPRESS ENO</b>					<b>Hose made by plasticized vinylic compound with an anti-shock rigid PVC spiral and Polyester reinforcement;</b> specially conceived for the wine industry. Suction and delivery of wines and beverages with alcohol content up to 50%. Banding coil available.
BF	<b>BACCO FF</b>					<b>Plasticized vinylic compound reinforced with anti-shock rigid PVC spiral.</b> Suction and delivery of wines, beverages, food liquids and liquors with alcohol concentration up to 50%.
NQ EN	<b>NETTUNO ENO</b>					<b>Hose made with plasticized vinylic compound reinforced with anti-shock rigid PVC spiral;</b> light and flexible, foodgrade wall and spiral. Suction and delivery of wines, food liquids and liquors with alcohol content up to 50%.
YO CH	<b>CLEANWASH</b>					<b>Food grade vinylic compound with double high tenacity Polyester reinforcement.</b> Delivery of hot water and solutions for high pressure cleaning and sanitization in food industry, at temperatures up to 70°C.

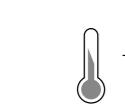
## Abrasion

OP	<b>ELO PUP EST</b>				+80° C -40° C	Ester based TPU hose, reinforced with an anti-shock rigid PVC spiral. Excellent resistance to abrasion and torsion. wall thickness from 0,8 to 1,0 mm. Available on request the antistatic version with copper wire. Suction and delivery of abrasive granules, powders, pellets and fibres.
EB	<b>VULCANO PU H 09 - HDS 15 EL</b>				+90° C -40° C Peaks +125° C	Ester based TPU hose reinforced with TPU coated high adhesion steel spiral; raw material with permanent electrical conductive features: <10 <sup>4</sup> Ohm/m; constant wall thickness mm 0,9/1,5. It meets the requirements of ATEX. Suction of granules, abrasive powders, pellets, sawdust, fumes.
EC	<b>URANO PU</b>				+60° C -25° C	PVC hose with a completely antiabrasive TPU tube, reinforced with an anti-shock rigid PVC spiral. Suction and discharge of abrasives media and liquids. The antistatic version with brassed steel wire inside the plastic wall is available on request.
UR	<b>URANO HD SUPER</b>				+60° C -25° C	PVC hose with a completely antiabrasive TPU tube (inner layer of 2,2 mm), reinforced with an anti-shock rigid PVC spiral. Suction and discharge of abrasives media and liquids. The antistatic version with brassed steel wire inside the plastic wall is available on request.
AU	<b>ARIANNA PU</b>				+80° C -40° C	TPU hose with high tenacity Polyester yarn reinforcement. Compressed air, pneumatic tools and cooling lines, spray and painting guns, sandblast and abrasion resistant applications in general.

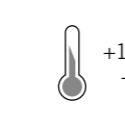
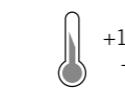
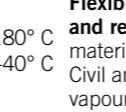
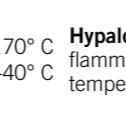
## Air, fumes and gases

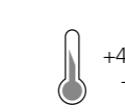
ES	<b>ELO SL</b>				+50° C -10° C	Plasticized PVC duct with anti-shock rigid PVC spiral. Perfectly smooth inside, outside corrugated. The lightest and most flexible in the range. Suction of air, fumes, gas. Conditioning, aeration. Resistant to low temperatures.
EL	<b>ELO L</b>				+50° C -10° C	Plasticized PVC duct with anti-shock rigid PVC spiral. Light and flexible. Suction of air, fumes, gas, dust; conditioning plants. Resistant to low temperatures. Antistatic version with copper wire available on request.
EO	<b>ELO</b>				+50° C -10° C	Plasticized PVC duct with anti-shock rigid PVC spiral. Resistant to low temperatures. Suction of air, fumes, gas, dust. Industrial conditioning and ventilation systems, dust extraction. Antistatic version with copper wire available on request.
EE	<b>ELO SE</b>				+50° C -25° C	Plasticized PVC duct with anti-shock rigid PVC spiral. Flexible particularly at low temperatures, high mechanical resistance. For industrial and domestic vacuum cleaners, aerating and conditioning plants. Antistatic version with copper wire available on request.

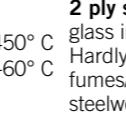
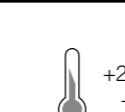
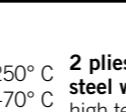
## High temperatures

TR	<b>ELO TERMORESISTENTE</b>				+100° C -20° C	Flexible duct made in flame resistant PVC coated Polyester fabric and reinforced by steel helix welded between the two layers. The material is flame retardant V(TM)-0, according to UL 94 and M2 grade. Civil and naval conditioning plants, ventilation systems, suction of fumes, vapours, powders, gas.
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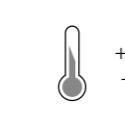
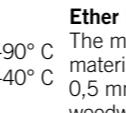
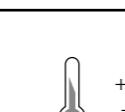
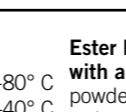
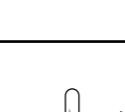
## High temperatures

VT	<b>VULCANO TPR-A</b>				+125° C -40° C	Flexible duct made in thermoplastic rubber with a steel spiral reinforcement embedded between the two layers. Suction of hot air and fumes in chemical plants and shipyards.
H1	<b>ELO HT 180°C</b>				+180° C -40° C	Flexible duct made with flame resistant TPU coated Polyester fabric and reinforced by steel helix welded between the two layers. The material is flame retardant V(TM)-0 according to UL 94, grade M1. Civil and naval conditioning plants, ventilation systems, suction of fumes, vapours, powders, gas. Silicon free.
EY	<b>ELO CLIP HYPOALON</b>				+170° C -40° C	Hypalon coated PES-fabric with external galvanized steel spiral. Hardly flammable. Suction and delivery of chemical vapours and fumes at high temperatures.

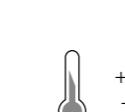
H4	<b>ELO HT 400°C</b>				+400° C -60° C	Stainless steel wire reinforced special coated glass fabric hose. Galvanized steel clamp profile. Flexible and hardly flammable. Suction of smokes, vapours, welding gasses, furnace exhaust, dust and fibres.
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H5	<b>ELO HT 450°C</b>				+450° C -60° C	2 ply special high temperature silicone coated glass fabric outside, raw glass inside, reinforced with an external galvanized steel "clamp profile". Hardly flammable. Suitable as extraction and blowing hose of hot air/fumes/gasses in suction plants, furnace constructions, iron plants and steelworks, vehicle constructions and aircraft industry.
P435	<b>SILDUCT 2S</b>				+250° C -70° C	2 plies of silicone coated glass fabric, with an embedded bronze plated steel wire helix. Double outer glass cord. Suction of industrial gases at high temperatures, in plastic and automotive industries. Antistatic version with copper wire available on request.

## Flame retardant

UF 07	<b>VULCANO PU AS UL 94 PLUS</b>				+90° C -40° C	Ether based TPU hose reinforced with a coppered coated steel spiral. The material is flame retardant according to UL-94-VO and the wall material is permanent antistatic (R<10 <sup>4</sup> Ohm/m). Constant wall thickness 0,5 mm. Suction of wood shavings and sawdust, in sawmills and woodworking plants. Conductive by grounding the spiral.
FF	<b>ELO PU AF UL 94</b>				+80° C -40° C	Ester based TPU hose, flame retardant according to UL 94, reinforced with anti-shock rigid PVC spiral. Suction of abrasive media such as powders, granulates, wood shavings and dust and where good self-extinguishing properties are required. Antistatic version with copper wire available on request.
EF 75	<b>ELO AUTOESTINGUENTE UL 94 VO</b>				+50° C -10° C	Flame retardant plasticized PVC hose reinforced with an anti-shock rigid PVC spiral. Suction of air, fumes and gas; industrial ventilation systems and air conditioning plants; shipbuilding. Antistatic version with copper wire available on request.

## Petrochemical

PK	<b>PLUTONE PK</b>				+80° C -30° C	+80° C. TPV inline, reinforced with steel spiral, Polyester yarn and TPV cover. Suction and delivery of acids, alkali and chemicals of various kind.
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## Petrochemical

PH	<b>PLUTONE PO</b>				+80° C -30° C	Inner layer made with a special blend of PVC/NBR, reinforced both by a harmonic steel wire and Polyester yarn. Suction and delivery of mineral oils, lubricants, crude fuel (naphtha, diesel oil) and as a return line in hydraulic systems.
MT	<b>MARTE A.O.</b>				+60° C -10° C	Special antimigration PVC compound reinforced with an anti-shock rigid PVC spiral. Suction and delivery of mineral oils, lubricants, crude oils (naphtha and diesel oil). Antistatic version with copper wire available on request.
SQ	<b>SPRALPRESS OIL</b>				+60° C -10° C	Special NBR-PVC tank drop hose, reinforced with an anti-shock rigid PVC spiral and Polyester yarn; exposed spiral for easy handling and dragging. Excellent resistance to lubricants and oils, with an aromatic concentration up to



<b>PN</b>	<b>PLUTONE PU PRESS</b>					<b>Ether-based hygienic TPU with AISI 302 stainless steel spiral and Polyester reinforcement.</b> Microbes and Hydrolysis resistant. Suction and delivery of powders, granules and liquids in the food and pharma industries (alcohol content up to 20%).
<b>HA</b>	<b>PHARMAPRESS</b>					<b>TPE-S hygienic rubber reinforced by high tenacity Polyester yarn.</b> Delivery of food grade and pharmaceutical powders and liquids (alcohol content up to 96%), milk and by-products.
<b>HS</b>	<b>PHARMASTEEL</b>					<b>TPE-S hygienic rubber reinforced by AISI 302 stainless steel spiral.</b> Delivery of food grade and pharmaceutical powders and liquids (alcohol content up to 96%), milk and by-products.
<b>HK</b>	<b>PHARMASTEEL PRESS</b>					<b>TPE-S hygienic rubber reinforced by AISI 302 stainless steel spiral and high tenacity Polyester plies.</b> Delivery of food grade and pharmaceutical powders and liquids (alcohol content up to 96%), milk and by-products.
<b>WK</b>	<b>SIL LIFE W</b>					<b>Platinum-cured silicone hose reinforced by Polyester plies and stainless steel Aisi 316L spiral.</b> For critical product transfer in the pharmaceutical, cosmetic, biotech and food industry.
<b>CL N7 CL N9</b>	<b>CRYSTAL CLEAR-55</b>					<b>Hygienic TPE pharma-grade</b> tubing for peristaltic pumps, specifically engineered for applications within food, pharmaceutical, biotech and cosmetic industries. Delivery of milk, beverages, food and pharma liquids.

We reserve the right either to alter specifications and discontinue products without prior notice. Visit IPL website to get updated info [www.ipl.it](http://www.ipl.it)

## VULCANO PU 04 ETERE

**Transparent ether based TPU hose, reinforced with a high adhesion TPU coated zinc plated steel spiral.** Constant wall thickness 0,4 mm. The wall material is permanent antistatic ( $R<10^9$  Ohm/m). Excellent resistance to Hydrolysis and microbes. Light suction and delivery of abrasive powders, flours, fatty and dry food.

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