



**IPL**

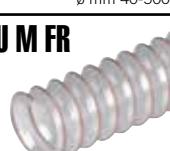
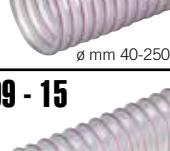
Since 1975



# Products 2019





VZ	<b>VULCANO PU Z</b>	 	 +90° C -40° C	<b>Ester based TPU duct reinforced with a zinc covered steel spiral.</b> 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>	 	 +90° C -40° C	<b>Ester based TPU duct reinforced with a coppered steel spiral.</b> 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.
ZR	<b>VULCANO PU ZR</b>	 	 +90° C -40° C	<b>Ester based TPU duct reinforced with a copper plated steel spiral.</b> 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.
VM FR	<b>VULCANO PU M FR</b>	 	 +90° C -40° C	<b>Ester based TPU duct reinforced with TPU coated high adhesion steel spiral.</b> 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>	 	 +90° C -40° C	<b>Ester based TPU duct reinforced with TPU coated high adhesion steel spiral.</b> 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 ESTERE</b>	 	 +90° C -40° C	<b>Ester based TPU hose reinforced with a TPU coated copper colored steel spiral that allows a high adhesion.</b> Smooth inside to enhance the flow properties; constant wall thickness 0,9 mm for all the diameters. Suction of granulates, abrasive powders and sawdust. For plastic, woodworking and ceramic industries, dedusting and suction plants. Conductive by grounding the spiral.
VC	<b>VULCANO PU HDS 15 ESTERE</b>	 	 +90° C -40° C	<b>Ester based TPU hose reinforced with a TPU coated copper colored steel spiral that allows a high adhesion.</b> Smooth inside to enhance the flow properties; constant wall thickness 1,5 mm for all the diameters. Suction of granulates, abrasive powders and sawdust. passage of highly abrasive granulates, pellets and chips. For granulate conveying systems in the plastic industry, industrial vacuum cleaners, printing machines. To transport gravel, stones and aggregate.
TH 01	<b>VULCANO PU STONE</b>	 	 +90° C -40° C	<b>Ester based antimicrobial TPU reinforced with TPU coated steel spiral.</b> 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>	 	 +90° C -40° C	<b>Ester based antimicrobial TPU reinforced with TPU coated steel spiral.</b> 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>	 	 +90° C -40° C	<b>Ester based TPU duct reinforced with a TPU high adhesion coated copper coloured steel spiral.</b> Wall material <b>permanent antistatic</b> (10 $\Omega$ Ohm/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>	 	 +80° C -40° C	<b>Ester based TPU hose, reinforced with an anti-shock rigid PVC spiral.</b> 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>	 	 +80° C -40° C	<b>Ester based TPU hose, reinforced with an anti-shock rigid PVC spiral.</b> Wall material permanent antistatic R<10 $^9$ Ohm/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.



## EOLO PUP EST

OP



+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.

## VULCANO PU H 09- HDS 15 EL

EB

EC

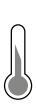


+90° C  
-40° C

**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.

## URANO PU

UR

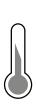


+60° C  
-25° C

**PVC hose with a completely antiabrasive TPU tube, reinforced with an anti-shock rigid PVC spiral.** Suction and discharge of abrasive liquids. The antistatic version with brassed steel wire inside the plastic wall is available on request.

## URANO HD SUPER

UH

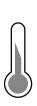
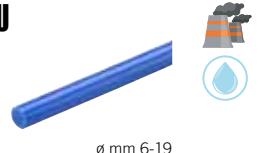


+60° C  
-25° C

**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 abrasive liquids. The antistatic version with brassed steel wire inside the plastic wall is available on request.

## ARIANNA PU

AU



+80° C  
-40° C

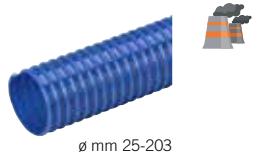
**TPU hose with high tenacity Polyester yarn reinforcement.** Compressed air, pneumatic tools and cooling lines, spray and painting guns, sandblast and abrasion resistant applications in general.

## Air, fumes and gases



## EOLO SL

ES



+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.

## EOLO L

EL



+50° C  
-10° C

**Plasticized PVC duct with anti-shock rigid PVC spiral.**

Light and flexible. Suction of air, fumes, gas, dust, sawdust and chips; conditioning plants. Resistant to low temperatures. Antistatic version available on request.

## EOLO

EO



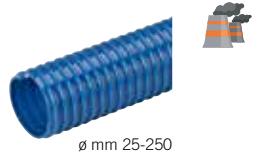
+50° C  
-10° C

**Plasticized PVC duct with anti-shock rigid PVC spiral.**

Resistant to low temperatures. Suction of air, fumes, gas, dust, sawing, wood chips. Industrial conditioning and ventilation systems, dust extraction. Antistatic version available on request.

## EOLO SE

EE



+50° C  
-25° C

**Plasticized PVC duct with anti-shock rigid PVC spiral.**

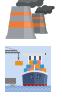
Flexible particularly at low temperatures, high mechanical resistance. For industrial and domestic vacuum cleaners, aerating and conditioning plants. Antistatic version on request.

## High temperatures



## EOLO TERMORESISTENTE

TR



+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.



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>EOLO 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>EOLO CLIP HYPALON</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>EOLO 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.
H5	<b>EOLO 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.

## 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-V0 and the wall material is permanent antistatic (10 <sup>8</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>EOLO 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 available on request.
EF 75	<b>EOLO AUTOESTINGUENTE UL 94 V0</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 available on request.

## Petrochemical



PK	<b>PLUTONE PK</b>				+80° C -30° C	TPV inline, reinforced with steel spiral, Polyester yarn and TPV cover. Suction and delivery of acids, alcali and chemicals of various kind.
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PH	<b>PLUTONE PO</b>	 Ø mm 20-102		 +80° C -30° C	<b>Inner layer made with a special blend of PVC/NBR, reinforced both by a harmonic steel wire and Polyester yarn.</b> Suction and delivery of mineral oils, lubricants, crude fuel (naphta, diesel oil) and as a return line in hydraulic systems.
MT	<b>MARTE A.O.</b>	 Ø mm 19-203		 +60° C -10° C	<b>Special antimigration PVC compound reinforced with an anti-shock rigid PVC spiral.</b> Suction and delivery of mineral oils, lubricants, crude oils (naphta and diesel oil). AS version available on request.

## Fluids handling



AX	<b>APOLLO SE</b>	 Ø mm 19-305		 +60° C -25° C	<b>PVC hose reinforced with an anti-shock rigid PVC spiral.</b> Particularly suitable to be used at low temperatures and on tank trucks. Excellent for suction of liquids in general. AS version available on request.
AS	<b>APOLLO SUPERFLEX</b>	 Ø mm 25-203		 +50° C -40° C	<b>PVC/NBR hose, reinforced with an anti-shock rigid PVC spiral.</b> Special formulation conceived for keeping flexibility even at extreme low temperatures. Waste management, suction and discharge of liquids. AS version on request.
SF	<b>APOLLO SUPERFLEX 2</b>	 Ø mm 52-152		 +50° C -40° C	<b>PVC/NBR hose reinforced with an anti-shock rigid PVC spiral.</b> Mixed rubber nitrilic formulation and slightly protruding spiral for an easy dragging. Excellent for suction of liquids in general, at extreme temperatures. AS version available on request.
PW	<b>PLUTONE PW</b>	 Ø mm 20-102		 +60° C -25° C	<b>Special PVC compound, with steel helix and Polyester textile reinforcement.</b> Very flexible even at low temperatures. Suction and discharge of water and liquids in general.
GI 06	<b>GIOVE SE</b>	 Ø mm 80-102		 +60° C -25° C	<b>PVC hose reinforced with an anti-shock rigid PVC spiral.</b> Suction and discharge of water, slurry, mud, mixtures of wood, acids, latex, grains and other materials. AS version available on request.
NX NF	<b>NETTUNO SE</b>	 Ø mm 13-300		 +60° C -25° C	<b>Transparent PVC hose with an ivory anti-shock rigid PVC spiral.</b> Inside and outside completely smooth. Delivery of liquids in general.
WT	<b>SPIRALPRESS WT</b>	 Ø mm 38-203		 +60° C -10° C	<b>Plasticized vinylic compound with an anti-shock rigid PVC spiral and textile reinforcement;</b> banding coil available. Suction and discharge of water and liquids, even at high pressures and in severe conditions.
XL	<b>SATURNO L</b>	 Ø mm 19-102		 +60° C -10° C	<b>PVC hose reinforced with an anti-shock rigid PVC spiral.</b> In agriculture excellent solution for suction and delivery of liquids and for irrigation; particularly suitable to be used on slurry machines.
AV	<b>ARIANNA 20 BAR</b>	 Ø mm 8-25		 +60° C -10° C	<b>Flexible PVC hose reinforced with a braided Polyester thread.</b> In agriculture, delivery pressure hose (20 bar) of fungicide solutions also containing mineral oils for agriculture spraying.

**ARIANNA 40 BAR**

AQ



Ø mm 8-19

+60° C  
-10° C**Flexible PVC hose reinforced with a braided Polyester thread.**

In agriculture, delivery pressure hose (40 bar) of fungicide solutions also containing mineral oils for agriculture spraying.

**ARIANNA 80 BAR**

AO



Ø mm 8-13

+60° C  
-10° C**Flexible PVC hose reinforced with a double braided Polyester thread.**

In agriculture, delivery pressure hose (80 bar) of fungicide solutions also containing mineral oils for agriculture spraying.

**Food****VULCANO PU H 09 ET**

VK



Ø mm 20-305



FDA

+90° C  
-40° C**Ether based TPU hose reinforced with TPU coated high adhesion steel wire.** Constant wall thickness 0,9 mm. Food processing and pharma plants and anywhere resistance to microbes is required. Conductive by grounding the spiral.**VULCANO PU HD 12 ET**

VO



Ø mm 38-305



FDA

+90° C  
-40° C**Ether based TPU hose reinforced with TPU coated high adhesion steel wire.** Constant wall thickness 1,2 mm. Food processing and pharma plants and anywhere resistance to microbes is required. Conductive by grounding the spiral.**VULCANO PU HDS 15 ET**

VI



Ø mm 20-500



FDA

+90° C  
-40° C**Ether based TPU hose reinforced with TPU coated high adhesion steel wire.** Constant wall thickness 1,5 mm. Food processing and pharma plants and anywhere resistance to microbes is required. Conductive by grounding the spiral.**NEXT 09 ET**

N9 ET



Ø mm 38-203



FDA

+90° C  
-40° C**Ether based TPU hose reinforced with a TPU-coated INOX steel spiral;** wall material permanent antistatic  $R < 10^9$  Ohm/m; resistant to microbes and Hydrolysis. Constant wall thickness 0,9 mm. Suction and delivery hose in the Food and Pharmaceutical Industry and where microbes resistance is required.**EOLO PU FOOD**

EU



Ø mm 13-300



EU 10/2011

FDA

+80° C  
-40° C**Ether based TPU wall, with anti-shock rigid PVC spiral.**

Constant wall thickness from 0,4 mm to 0,8 mm. Suction and delivery of food abrasive powders. AS version with copper wire available on request.

**EOLO PUP FOOD**

EP



Ø mm 25-305



EU 10/2011

FDA

+80° C  
-40° C**Ether based TPU wall, with anti-shock rigid PVC spiral.**

Constant wall thickness from 0,8 mm to 1,2 mm. Suction and delivery of food abrasive powders. AS version with copper wire available on request.

**ZEUS PU FOOD**

ZE



Ø mm 30-150



EU 10/2011

FDA

+80° C  
-40° C**Ether based TPU wall, with anti-shock rigid PVC spiral.**

Wall thickness from 1,2 mm to 2,0 mm. Suction and delivery of food abrasive powders. AS version with copper wire available on request.

**PLUTONE A**

PY 01



Ø mm 6-150



EU 10/2011

+60° C  
-10° C**Transparent PVC hose reinforced with steel spiral.**

Inside and outside completely smooth to enhance the flow properties. Suction and delivery of food liquids (alcohol concentration up to 20%).

**PLUTONE A SE**

PY 06



Ø mm 6-150

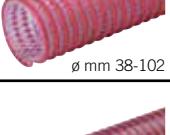
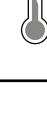
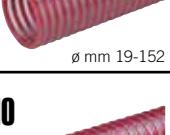
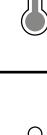
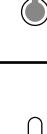
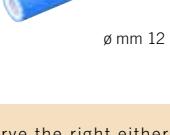
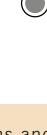


EU 10/2011

+60° C  
-10° C**PVC hose reinforced with steel spiral.**

Inside and outside completely smooth to enhance the flow properties. Very high flexibility. Suction and delivery of food liquids (alcohol concentration up to 20%).



PQ	<b>PLUTONE PU</b>	 ∅ mm 12-76	 <b>EU 10/2011</b> <b>FDA</b>		+90° C -40° C	<b>Ether-based TPU with AISI 302 stainless steel spiral.</b> 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>	 ∅ mm 20-102	 <b>EU 10/2011</b> <b>FDA</b>		+100° C -35° C	<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>	 ∅ mm 6-50	 <b>EU 10/2011</b> <b>FDA</b>		+60° C -10° C	<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>	 ∅ mm 6-127	 <b>EU 10/2011</b> <b>FDA</b>		+60° C -10° C	<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>	 ∅ mm 12-102	 <b>EU 10/2011</b> <b>FDA</b>		+60° C -10° C	<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>	 ∅ mm 6-50	 <b>EU 10/2011</b>		+60° C -10° C	<b>Transparent PVC hose reinforced by high tenacity Polyester yarn.</b> Delivery of food liquids and substances.
NQ	<b>NETTUNO FF</b>	 ∅ mm 13-305	 <b>EU 10/2011</b>		+60° C -10° C	<b>Plasticized vinylic compound reinforced with anti-shock rigid PVC spiral.</b> Suction and delivery of food grade powders and beverages (alcohol content up to 50%), milk and by-products.
NR	<b>NETTUNO PU FF</b>	 ∅ mm 30-102	 <b>EU 10/2011</b>		+60° C -10° C	<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.
BS EN	<b>SPIRALPRESS ENO</b>	 ∅ mm 38-102	 <b>EU 10/2011</b>		+60° C -10° C	<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>	 ∅ mm 19-152	 <b>EU 10/2011</b>		+60° C -10° C	<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>	 ∅ mm 19-152	 <b>EU 10/2011</b>		+60° C -10° C	<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>	 ∅ mm 12	 <b>EU 10/2011</b>		+70° C -10° C	<b>Food grade vinylic compound with double high tenacity Polyester reinforcement.</b> Delivery of hot water and solutions for high pressure cleaning and sanitation in food industry, at temperatures up to 70°C.

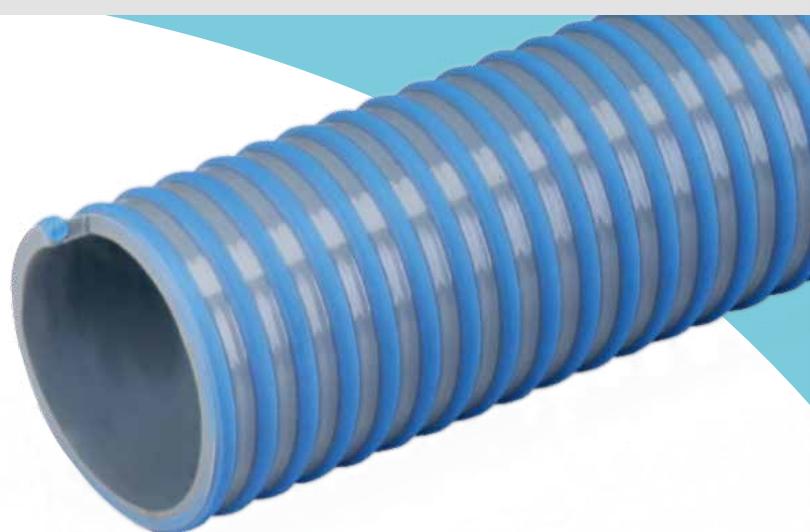


<b>PN</b>	<b>PLUTONE PU PRESS</b>					<b>Ether-based hygienic TPU with AISI 302 stainless steel spiral and Polyester reinforcement.</b> Microbes and Hydrolysis resistant. Suction and delivery of powders, granules and liquids in the food and pharma industries (alcohol content up to 20%).
<b>HA</b>	<b>PHARMAPRESS</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)

**NEW**

# APOLLO NL 1



Designed with **super elastic material** and conceived for keeping flexibility even at low temperatures, **APOLLO NL1 joins the APOLLO SERIES**, to offer a more complete range of PVC suction and discharge hoses. Its exposed spiral allows less resistance to dragging and make it particularly suitable to be used on tank trucks.



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