

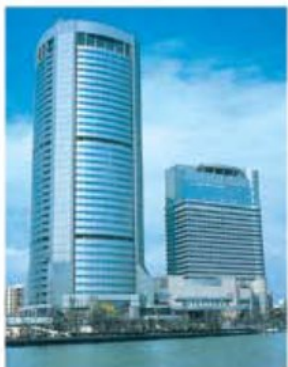


# Kanaflex

HOSES



**KANAFLEX** has more than 50 years of experience in the hose and pipe drainage industry. Kanaflex is currently positioned at the first position globally within the top manufacturers of this sector and with a presence on the 5 continents.



**Head office Osaka**

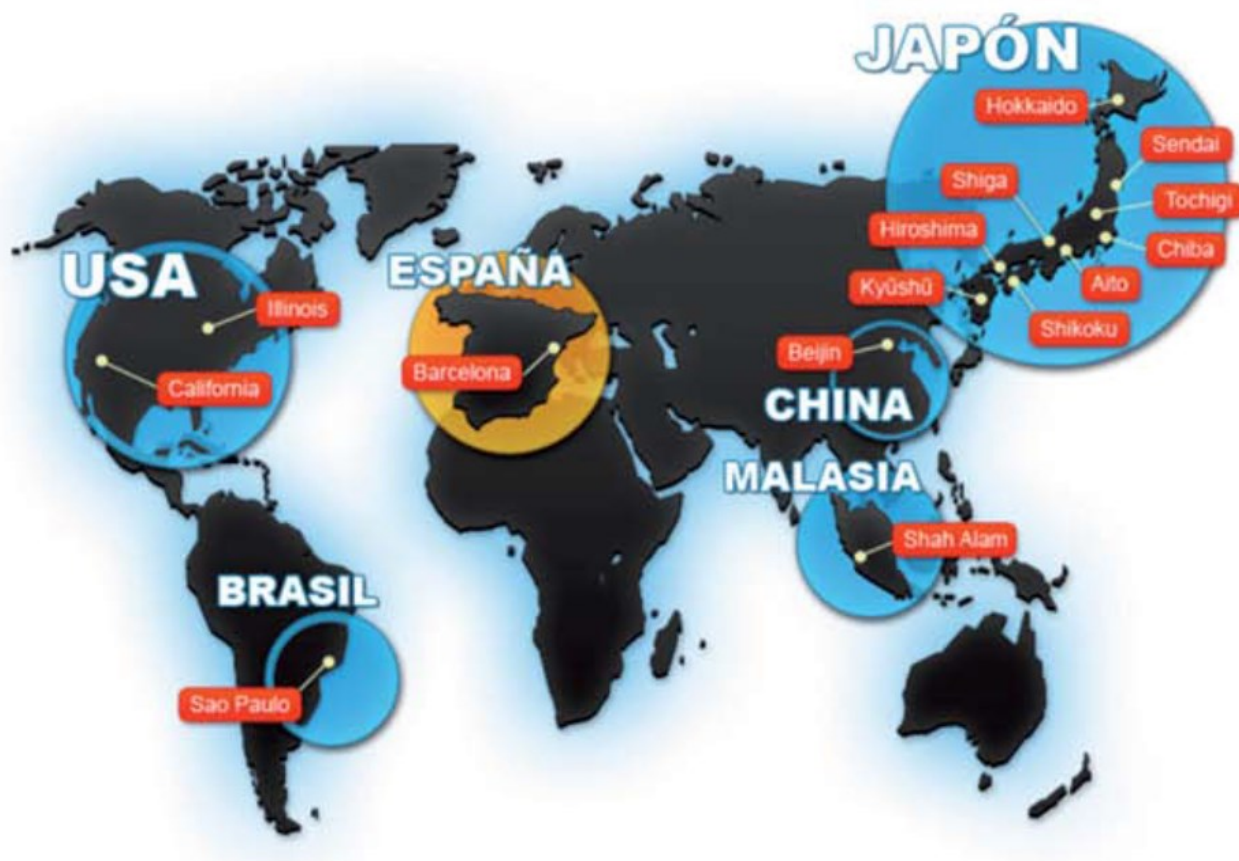



**Technical center Shiga**



**Kanaflex USA Chicago**

**KANAFLEX** has a large experience in the sector of tubes and hoses and has developed its strategy of expansion on various continents: Europe, Asia, America  
Kanaflex Corporation is formed by 21 sites of production and 15 offices of distribution, planted in Japan, USA, Brazil, China, Malaysia and Spain.





**Kanaflex Spain, SA** manufactures hoses since 1983, at La Llagosta (Barcelona). The high technology and raw material of quality which have been implemented, has allowed us to fabricate different types of hoses, of PVC and Rubber.

**Kanaflex Spain, SA** has a complete range of hoses of rubber (EPDM, SBR, Nitrile, NBR) for applications such as the agro-food industry, for agricultural uses, hydro-sanitarian, industrial, construction, mining, shipyards, abrasive products, etc.

**Kanaflex Spain, S.A** has the compromise to make a high level product to offer these in specialised sectors as the food or hydrocarbons industry. In fact this an important factor to invest in quality. That's why Kanaflex tests each roll of hose and guarantees the high quality of its products as well as the security of the clients who trust in our products.



## **KANAFLEX Hoses has a lot of advantages:**



### **QUALITY**

Japanese technology, high quality raw materials, development and frequent testing.

### **FLEXIBILITY**

Unique curvatures.

### **LIGHTNESS**

Less weight, 50% lighter than the most rubber hoses.

### **ECONOMICAL**

Durability in time.

### **EASY TO USE**

Thanks to its external spiral slides easily on the floor.

### **RESISTANCE**





# Kanaflex

RUBBER HOSES



# S 120



## Construction

Rubber hose composed of Nitrile rubber reinforced with rigid PVC spiral, textile and copper wire.

## Characteristics

**DESIGN.** Specially designed to resist damages from abrasion, corrosion and weathering.

**FLEXIBILITY.** The spiral achieves more flexibility as well as more resistance to the abrasion.

**STRENGTH.** Thanks to the hardness of its internal spiral.

**TEMPERATURE.** From  $-34^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ .

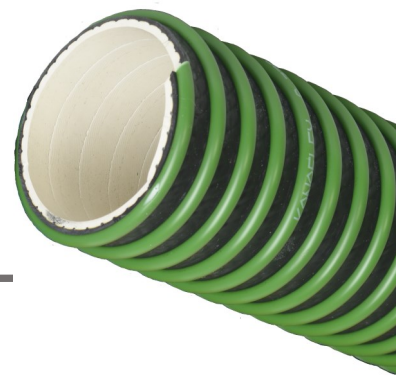
**ANTISTATIC.** Conductive due to the copper wire placed inside. Resistance  $<10^9\Omega$ . Marked as M/T following standard of BS EN ISO 8031.

## Application

Loading and unloading of hydro-carbons, heavy and light oils. Very used in tank trucks.

Nominal Diameter mm	Inner Diameter mm	Outer Diameter mm	Working Pressure Kg/cm <sup>2</sup> 22° C	Vacuum Rating Kg/cm <sup>2</sup> 22° C	Minimum Curvature Radius mm	Weight Gr/m	Standard Length m
50	50.8	68.1	4.6	1.03	127.1	1680	30.5
75	76.2	93.5	4.6	1.03	152.4	2040	30.5
100	101.6	112.4	4.6	1.03	203.2	3200	30.5

# S 120 Bio



## Construction

Rubber hose composed of Nitrile rubber reinforced with rigid PVC spiral, textile and copper wire.

## Characteristics

**DESIGN.** Specially designed to resist damages from abrasion, corrosion and weathering.

**FLEXIBILITY.** The spiral achieves more flexibility as well as more resistance to the abrasion.

**STRENGTH.** Thanks to the hardness of its internal spiral.

**TEMPERATURE.** From  $-34^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$

**ANTISTATIC.** Antistatic due to the copper wire placed inside. Resistance  $<10^9\Omega$ . Marked as M/T following standard of BS EN ISO 8031.

## Application

Loading and unloading of hydro-carbons until 50% of aromatics, biodiesel, ethanol E100 (ASTM D471-95), kerosene. Great use in tank trucks.

Nominal Diameter mm	Inner Diameter mm	Outer Diameter mm	Working pressure Kg/cm <sup>2</sup> 22° C	Vacuum Rating Kg/cm <sup>2</sup> 22° C	Minimum Curvature Radius mm	Weight Gr/m	Standard Length m
50	50.8	68.1	4.6	1.03	63.5	1680	30.5
75	76.2	93.5	4.6	1.03	76.2	2040	30.5
100	101.6	112.4	4.6	1.03	114.3	3200	30.5

# S 180



## Construction

SBR rubber blended with carbon black, rigid PVC helix, smooth inside. Special polymers, anti-static and anti-abrasive.

## Characteristics

**DESIGN.** Specially designed to resist damages from abrasion, corrosion and weathering. (Weather, ozone and humidity, ...)

**COMPOSITION.** It allows to be cut easily and in any length.

**STRENGTH.** Thanks to the hardness of its internal spiral.

**TEMPERATURE.** From  $-40^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$

**ANTISTATIC.** Due to its formulation, it is not necessary copper wire. (UNE 21-303-83). Conductivity measurements through the hose  $<10^8$  Ohms. Marked as  $\Omega/T$  in line with requirements of BS EN ISO 8031.

**LIGHTNESS.** Ultra light.

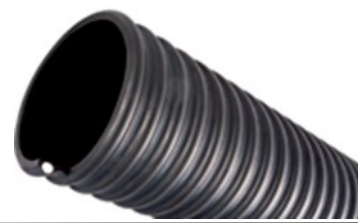
**FLEXIBILITY.** It can reach maximal curves.

## Application

Aspirations of dry abrasive materials, stones, sand, carbon, chips and iron dust. Heavy duty abrasion resistant suction hose for vacuum trucks or handling abrasives.

Nominal Diameter mm	Inner Diameter mm	Outer Diameter mm	Working pressure Kg/cm <sup>2</sup> 22° C	Vacuum Rating Kg/cm <sup>2</sup> 22° C	Curvature Minimum Radius mm	Weight Gr/m	Standard Length m
50	50.8	59.8	2.81	1.03	64	833	30
65	63.5	75.0	2.46	1.03	64	1310	30
75	76.2	88.8	2.46	1.03	76	1457	30
90	88.9	104.3	2.11	1.03	102	2082	30
100	101.6	117.6	2.11	1.03	114	2469	30
125	127.0	146.3	2,11	0.97	127	3673	30
150	152.4	170.9	2,11	0.97	234	4581	30
200	203.2	229.6	2,11	0.93	381	8403	15.5

# S 180 BL Light



## Construction

SBR rubber blended with carbon black, rigid PVC helix, smooth inside. Special polymers, anti-static and anti-abrasive.

## Characteristics

**DESIGN:** Specially designed to resist damages from abrasion, corrosion and weathering. (Weather, ozone and humidity,...)

**COMPOSITION.** It allows to be cut easily and in any length.

**STRENGTH.** Thanks to the hardness of its internal spiral.

**TEMPERATURE.** From  $-40^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ .

**ANTISTATIC.** Due to its formulation, it is not necessary copper wire. (UNE 21-303-83). Conductivity measurements through the hose  $<10^8$  Ohms. Marked as Q/T in line with requirements of BS EN ISO 8031.

**LIGHTNESS.** Ultra light.

**FLEXIBILITY.** It can reach maximal curves.

## Application

Aspirations of dry abrasive materials, stones, sand, carbon, chips and iron dust. Heavy duty abrasion resistant suction hose for vacuum trucks or handling abrasives.

Nominal Diameter mm	Inner Diameter mm	Outer Diameter mm	Working pressure Kg/cm <sup>2</sup> 22° C	Minimum Curvature Radius mm	Vacuum Rating Kg/cm <sup>2</sup> 22° C	Weight Gr/m	Standard Length m
65	63.5	74	1.27	64	0.86	1060	30
75	76.2	87.4	0.91	76	0.79	1370	30
100	101.6	115	0.70	101	0.69	2230	30
125	127.0	143	0.56	127	0.52	2500	30
150	152.4	169.4	0.56	152	0.52	3570	30
200	203.2	228	0.56	304	0.52	6540	15.5





## S 180 CU with conductor wire

Aspirations of dry abrasive materials, stones, sand, carbon, chips and iron dust.

From 50mm diameter to 200mm

Nominal Diameter mm	Inner Diameter mm	Outer Diameter mm	Working pressure Kg/cm <sup>2</sup> 22° C	Vacuum Rating Kg/cm <sup>2</sup> 22° C	Minimum Curvature Radius Kg/cm <sup>2</sup> 22° C	Weight Gr/m	Standard Length m
50	50.8	59.7	2.81	1.03	64	833	30
65	64.5	72.9	2.46	1.03	64	1310	30
75	76.2	88.9	2.46	1.03	76	1457	30
90	88.9	104.4	2.11	1.03	102	2082	30
100	101.6	117.6	2.11	1.03	114	2469	30
125	127.0	143.1	2,11	0.97	127	3673	30
150	152.4	170.9	2,11	0.97	234	4581	30
200	203.2	229.6	2,11	0.93	381	8403	15

## APPLICATIONS



**S 120**

**Serie S 180**



# S 370



## Construction

Hose composed with EPDM rubber reinforced with polyethylene external spiral and textile fiber.

## Characteristics

**DESIGN.** The spiral increases the resistance to the abrasion, corrosion and weathering and provides for easier drag.

**COMPOSITION.** It allows to be cut in any length.

**STRENGTH.** The textile fibers allow more resistance to high pressures.

**TEMPERATURE.** From -20°C to +60°C (until 100°C for sterilization process with low pressure and short time).

**LIGHTNESS.** Easy to handle because of its lightweight.

**FLEXIBILITY.** Recovery of 90% of shape in case of flattening.

Food certificate according to FDA regulation: 21 CFR 177.2600, E and F section; and certificate EU regulations nº1935/2004 and 2023/2006 by IANESCO. Free of A Bisphenol.

## Application

To discharge or charge food liquids (oil, milk, beer, juice, wine,...)

Nominal Diameter	Inner Diameter	Outer Diameter	Work Pressure	Minimal Radius Curvature	Weight	Standard Length	Standard color
mm	mm	mm	kgf/cm <sup>2</sup> 22°C	kgf/cm <sup>2</sup> 20°C	gr/m	m	m
32	31	44.0	8	80	750	40	Orange
35	32.2	43.8	8	80	750	40	Green
40	38	48.6	8	80	898	40	Orange
45	44	54.6	8	80	1046	40	Green
50	51	63.5	8	130	1226	40/48	Blue
50	51	63.5	8	130	1226	40	Orange
55	54	66.0	8	130	1396	40	Green
60	60	74.5	6	150	1452	40	Green
65	64	79.0	6	150	1650	40/20	Orange
70	69	83.4	6	150	1760	20	Green
75	76	91.7	6	180	1900	20	Green
80	78	93.0	6	180	2022	20/30	Orange
90	89	103.5	5	300	2598	20	Green
100	103	120.0	5	300	2913	20	Orange

# S 370 NBR



## Construction

Hose composed with NBR rubber reinforced textile fiber and PVC external spiral. Smooth interior.

## Characteristics

**DESIGN.** Specially conceived to transport a wide range of food as fat foods and oil.

**STRENGTH.** The spiral allows more flexibility and increases the abrasion resistance.

**TEMPERATURE.** From  $-30^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ .

**LIGHTNESS.** Thanks to its composition and design, outstanding grades of curvature can be achieved. Ultralight.

**FLEXIBILITY.** Very flexible.

**ANTISTATIC.** Thanks to the conductor wire. (Only under request).

Food certificate according to FDA regulation 21 CFR 177.2600, F section; BfR XXI cat.2; and certificate EU regulations nº1935/2004 and 10/2011 by IANESCO. (Simulant D1 and D2).

## Application

Discharge of foods like milk, oil, butter, other fat and alcohol up to 96 %. In food processing plants, loading and unloading of tanks, ...

Nominal Diameter	Inner Diameter	Outer Diameter	Work Pressure	Minimal Radius Curvature	Weight	Standard Length	Standard color
mm	mm	mm	kgf/cm <sup>2</sup> 22°C	kgf/cm <sup>2</sup> 20°C	gr/m	m	m
32	32.5+1	37.5	8.0	68	650	40	Green
35	34.5+1	40.0	8.0	68	750	40	Green
40	38.5+1	53.5	8.0	68	898	40	Blue
45	45.0+1	62.5	8.0	68	1046	40	Green
50	50.8+1	67.5	8.0	110	1226	40	Blue
55	54.3+1	59.5	8.0	110	1396	40	Green
65	63.5+1	79.5	6.0	110	1650	20	Blue
70	69.3+1	85.5	6.0	110	1760	20	Green
75	76.0+1	94	6.0	127	1900	20	Green
90	89.3+1	110.8	5.0	255	2598	20	Green
100	102+1	123	5.0	255	2913	20	Blue

# S 375



## Construction

Hose composed with EPDM rubber reinforced with textile fiber and polyethylene external spiral. Standard color: yellow spiral.

## Characteristics

**LIGHTNESS.** Easy to manipulate due to its lightweight.

**DESIGN.** The spiral gives more resistance to abrasion, corrosion and weathering and provides for easier drag.

**FLEXIBILITY.** Recovery of 90% of shape in case of flattening.

**STRENGTH.** The textile reinforcement allows more resistance higher pressure.

**COMPOSITION.** It can be cut easily in any length.

**TEMPERATURE.** From  $-20^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ .

## Application

Aspiration and impulsion of residual water, salt water, chemical products, mining, construction industry and septic tank.

Nominal Diameter	Inner Diameter	Outer Diameter	Work Pressure	Minimum Curvature Radius	Vacuum rating	Weight	Standard Length
mm	mm	mm	kgf/cm <sup>2</sup> 22°C	kgf/cm <sup>2</sup> 20°C	Kgf/cm <sup>2</sup> 22°C	gr/m	m
32	30,5	42,5	8.0	80	0,9	650	40
35	34,2	43,8	8.0	80	0,9	750	40
40	38,2	48,6	8.0	80	0,9	898	40
45	44,2	54,6	8.0	80	0,9	1046	40
50	51,4	63,5	8.0	130	0,9	1226	40
55	54,3	66	8.0	130	0,9	1396	40
65	63,5	79	6.0	150	0,9	1650	20
70	69,3	83,4	6.0	150	0,9	1760	20
75	76,2	91,7	6.0	180	0,9	1900	20
90	89,3	103,5	5.0	300	0,9	2598	20
100	103	120	5.0	300	0,9	2913	20

# S 660



## Construction

Hose composed with EPDM rubber and polyethylene external spiral. Smooth Interior.

## Characteristics

**DESIGN.** Specially designed to resist damages from abrasion, corrosion and weathering. (Weather, ozone and humidity,...)

**LIGHTNESS.** Ultra-light.

**STRENGTH.** The spiral allows more resistance to the abrasion and more flexibility.

**FLEXIBILITY.** It achieves outstanding bends. Very flexible.

**COMPOSITION.** It can be cut easily in any length.

**TEMPERATURE.** From  $-30^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ .

## Application

Gas and smoke evacuation working with medium temperatures. Properly to ducts cleaning, blowing cotton, straw, wood chips, grain dust or leaf or grass collection, waste waters....

Nominal Diameter	Inner Diameter	Outer Diameter	Work Pressure	Vacuum Rating	Minimum Radium Curvature	Weight	Standard Length
mm	mm	mm	kgf/cm <sup>2</sup> 22°C	kgf/cm <sup>2</sup> 20°C	mm22°C	gr/m	m
40	38.0	48.0	0.61	0.81	50	476	20
50	50.6	59.7	0.61	0.81	60	503	25
60	61.0	71.0	0.61	0.68	65	680	20
70	71.0	80.6	0.61	0.61	80	780	20
75	76.0	87.1	0.70	0.54	100	894	20
100	103.3	114.5	0.63	0.21	102	1200	20
125	127.0	140.5	0.49	0.17	127	1700	20
150	152.4	169.4	0.42	0.14	152	2000	20

	S-120 Kanapower	S-180	S-180 BL	S-180 CU	S-370 Flexaspir	S-375	S-660
<b>AGRICULTURAL</b>							
Seeder Machine		●	●				
Cotton			●			●	●
Sprayer						●	●
Grain Aspiration		●	●	●			●
Purine		●	●	●		●	
<b>FOOD INDUSTRIES</b>							
Juice/Beer					●		
Milk					●		
Wine					●		
Olive Oil					●		
<b>CONSTRUCTION</b>							
Iron/Cement Dust		●	●	●			
Residual Water evacuation		●	●			●	●
Septic Tank		●	●			●	
Ventilation/Air conduction							●
Aspiration of shavings		●	●	●			●
Dust aspiration		●	●	●			●
Leaf/grass aspiration		●	●				●
Textile Aspiration		●	●				●
Gas Evacuation and smoke evacuation							●
<b>WASTE</b>							
Cleaning Trucks	●	●	●	●		●	●
General Use		●	●	●		●	●
<b>HYDROCARBONS/PETROLEUM</b>							
Tank Truck	●						
Petrol Station	●						
Refinery	●						
Steam	●						
<b>MINING</b>							
Abrasive dust		●	●	●			
Tank		●	●	●		●	
Oil Well	●						
Oil Platform	●						
Dredging		●	●	●			
Sand/Stone/Carbon		●	●	●			

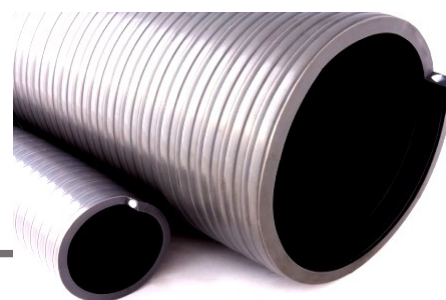


# Kanaflex

PVC & PU HOSES



# S 110



## Construction

Hose made of flexible PVC, reinforced with a rigid PVC spiral. Smooth interior.

## Characteristics

**DESIGN.** Easy to handle because of its lightness.

**STRENGTH.** Achieved because of its internal spiral and resists damages from abrasion, corrosion and weather resistant.

**TEMPERATURE.** From  $-10^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ .

## Application

Aspiration and impulsion of granulated materials, slurry and liquids with solid particles.

Nominal Diameter	Inside Diameter	Outside Diameter	Working pressure	Bursting Rating	Weight	Standard Length
mm	mm	mm	kgf/cm <sup>2</sup> 22°C	kgf/cm <sup>2</sup> 22°C	gr/m	m
40	40.0	50.0	11.0	30	850	50
45	45.0	53.5	11.0	30	900	50
50	50.0	60.0	10.0	25	1150	50
60	60.0	72.0	9.0	25	1500	50
70	70.0	82.0	8.0	23	1700	50
75	75.0	86.5	8.0	23	1800	50
80	80.0	92.5	7.0	20	2000	50
90	90.5	103.0	7.0	20	2300	30
100	100.5	113.5	6.0	15	3000	30
110	110.0	124.0	5.0	15	3300	30
125	125.0	145.0	4.0	14	4000	30
150	151.0	174.0	4.0	14	6500	20
200	200.0	222.0	4.0	12	10000	10



# S 111



## Construction

Hose made of flexible PVC, reinforced with a rigid PVC spiral. Smooth interior.

## Characteristics

**DESIGN.** Easy to handle because of its lightness.

**TRANSPARENCY.** It allows to see the material transferred.

**STRENGTH.** Achieved because of its internal spiral and resists damages from abrasion, corrosion and weather resistant.

**TEMPERATURE.** From  $-10^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ .

## Application

Transfer of liquids, irrigation, farming facilities.

Certificates: Food grade and A Bisphenol and Phthalates free. According CE 10/2011 and 2016/1416 standards. (A Simulant).

Nominal Diameter	Inside Diameter	Outside Diameter	Working pressure	Bursting Rating	Weight	Standard Length
mm	mm	mm	kgf/cm <sup>2</sup> 22°C	kgf/cm <sup>2</sup> 22°C	gr/m	m
40	40.0	50.0	11.0	30	850	50
45	45.0	53.5	11.0	30	900	50
50	50.0	60.0	10.0	25	1150	50
60	60.0	72.0	9.0	25	1500	50
70	70.0	82.0	8.0	23	1700	50
75	75.0	86.5	8.0	23	1800	50
80	80.0	92.5	7.0	20	2000	50
90	90.5	103.0	7.0	20	2300	30
100	100.5	113.5	6.0	15	3000	30
110	110.0	124.0	5.0	15	3300	30
125	125.0	145.0	4.0	14	4000	30
150	151.0	174.0	4.0	14	6500	20
200	200.0	222.0	4.0	12	10000	10

# S 112



## Construction

Hose made of flexible PVC, reinforced with a rigid PVC spiral. Smooth interior.

## Characteristics

**DESIGN.** Easy to handle because of its lightness.

**TRANSPARENCY.** It allows to see the material transferred.

**STRENGTH.** Achieved because of its internal spiral and resists damages from abrasion, corrosion and weather resistant.

**TEMPERATURE.** From  $-20^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ .

## Application

Absorption and impulsion of liquids for agricultural and industrial irrigation.

Certificates: Food grade and A Bisphenol and Phthalates free. According CE 10/2011 and 2016/1416 . (A Simulant).

Nominal Diameter	Inside Diameter	Outside Diameter	Working pressure	Bursting Rating	Weight	Standard Length
mm	mm	mm	kgf/cm <sup>2</sup> 22°C	kgf/cm <sup>2</sup> 22°C	gr/m	m
20	20.0	24.5	7.0	25	210	50
25	25.0	30.0	7.0	25	270	50
30	30.0	35.0	7.0	25	340	50
32	32.0	37.0	7.0	25	360	50
35	35.0	40.5	6.0	22	450	50
40	40.0	46.0	6.0	22	530	50
45	45.0	52.0	6.0	22	670	50
50	50.5	57.5	5.0	20	750	50
55	55.5	62.5	5.0	20	960	50
60	60.5	68.5	5.0	20	1060	50
65	65.5	73.3	5.0	20	1120	50
70	70.5	79.5	5.0	20	1280	50
75	75.5	84.0	5.0	20	1380	50
80	80.5	91.0	5.0	20	1600	50
90	90.5	100.5	4.0	16	1950	30
100	100.5	111.5	4.0	16	2300	30
110	110.0	123.5	3.0	9	2600	30
125	125.0	137.0	2.5	8	3130	30
150	151.0	167.0	2.0	7	4885	20
200	200.0	217.0	1.0	4	7510	10

# S 114



## Construction

Hose composed of flexible PVC, Nitrile Rubber (NBR) a rigid PVC helix.

## Characteristics

**DESIGN.** Specially develop to resist the abrasion, corrosion and weather damages.

**LIGHTNESS.** Easy to handle due to its weight.

**COMPOSITION.** It can be easily cut in any length.

**FLEXIBILITY.** Very flexible specially in low temperatures.

**TEMPERATURE.** From  $-40^{\circ}\text{C}$  a  $50^{\circ}\text{C}$ .

## Application

Aspiration and impulsion of granulated materials, drains, slurry and liquids with solid particles.

Nominal Diameter	Inside Diameter	Outside Diameter	Working Pressure	Vacuum Rating	Minimum Bend Radius	Weight	Standard Length
mm	mm	mm	kgf/cm <sup>2</sup> 20°C	kgf/cm <sup>2</sup> 22°C	mm 22°C	gr/m	m
30	30.0	38	3	0.9	40	450	50
35	35.0	43	3	0.9	45	600	50
40	40.0	50	3	0.9	50	750	50
45	45.0	55	3	0.9	55	800	50
50	50.5	60	3	0.9	60	850	50
60	60.5	71	3	0.9	80	1050	50
65	65.5	76	3	0.9	130	1100	50
70	70.5	81	3	0.9	140	1250	50
75	75.5	86	3	0.9	150	1350	50
80	80	91	2.5	0.9	160	1500	50
90	90.5	104	2.5	0.8	180	2000	30
100	100.5	113	2.5	0.8	200	2300	30
110	110.0	124	2	0.8	240	2600	30
125	125.5	142	2	0.8	300	3600	30
150	153	170	2	0.8	350	4500	20
200	202	221	2	0.8	600	6600	10

# 114 Tricapa



## Construction

Hose composed of flexible PVC, Nitrile Rubber (NBR) a rigid PVC helix and an interior layer of Polyurethane to improve the abrasion resistance.

## Characteristics

**DESIGN.** Specially develop to resist the abrasion, corrosion and weather damages.

**LIGHTNESS.** Easy to handle due to its weight.

**COMPOSITION.** It can be easily cut in any length.

**FLEXIBILITY.** Very flexible specially in low temperatures.

**TEMPERATURE.** From  $-40^{\circ}\text{C}$  a  $50^{\circ}\text{C}$ .

## Application

Aspiration and impulsion of granulated materials, drains, slurry and liquids with solid particles.

Nominal Diameter	Inside Diameter	Outside Diameter	Working pressure	Vacuum Rating	Weight	Minimum Curvature Radius	Standard Length
mm	mm	mm	kgf/cm <sup>2</sup> 22°C	kgf/cm <sup>2</sup> 22°C	gr/m	mm 22°C	m
30	30	40	3	0.9	600	40	50
35	35	45	3	0.9	750	45	50
40	40	52	3	0.9	960	50	50
45	45	57	3	0.9	1050	55	50
50	50.5	62	3	0.9	1150	60	50
60	60.5	72	3	0.9	1500	80	50
65	65.5	77	3	0.9	1600	130	50
70	70.5	82	3	0.9	1700	140	50
75	75.5	87	3	0.9	1800	150	50
80	80	91.0	2.5	0.9	2000	160	50
90	90.5	100.5	2.5	0.8	2400	180	30
100	100.5	111.5	2.5	0.8	2620	200	30
110	110.0	123.5	2	0.8	3000	240	30
125	125.5	137.0	2	0.8	4200	300	30
150	153	167.0	2	0.8	5150	350	20
200	202	217.0	2	0.8	8400	600	10

# S 115 Super



## Construction

Hose made of flexible PVC, reinforced with a rigid PVC spiral. Smooth interior. Do not contain lead derivatives.

## Characteristics

**DESIGN.** Easy to handle because of its lightness.

**TRANSPARENCY.** It allows to see the material transferred.

**STRENGTH.** Achieved because of its internal spiral and resists damages from abrasion, corrosion and weather resistant.

**TEMPERATURE.** From  $-10^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ .

## Application

Transfer of wine and food products. **NON TOXIC.**

Certificates: Food grade and A Bisphenol and Phthalates free. According CE 10/2011. Certificate of Migration. (C Simulant).

Nominal Diameter	Inside Diameter	Outside Diameter	Working pressure	Bursting Rating	Weight	Standard Length
mm	mm	mm	kgf/cm <sup>2</sup> 22°C	kgf/cm <sup>2</sup> 22°C	gr/m	m
40	40.0	50.0	11.0	30	850	50
45	45.0	53.5	11.0	30	900	50
50	50.0	60.0	10.0	25	1150	50
60	60.0	72.0	9.0	25	1500	50
70	70.0	82.0	8.0	23	1700	50
75	75.0	86.5	8.0	23	1800	50
80	80.0	92.5	7.0	20	2000	50
90	90.5	103.0	7.0	20	2300	30
100	100.5	113.5	6.0	15	3000	30
110	110.0	124.0	5.0	15	3300	30
125	125.0	145.0	4.0	14	4000	30
150	151.0	174.0	4.0	14	6500	20
200	200.0	222.0	4.0	12	10000	10

# S 115 Light



## Construction

Hose made of flexible PVC, reinforced with a rigid PVC spiral. Smooth interior. Do not contain lead derivatives. Red standard colour.

## Characteristics

**DESIGN.** Easy to handle because of its lightness.

**TRANSPARENCY.** It allows to see the material transferred.

**STRENGTH.** Achieved because of its internal spiral and resists damages from abrasion, corrosion and weather resistant.

**TEMPERATURE.** From  $-10^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ .

## Application

Transfer of wine and food products. **NON TOXIC.**

Certificates: Food grade and A Bisphenol and Phthalates free. According CE 10/2011 and 2016/1416 standards.

Nominal Diameter	Inside Diameter	Outside Diameter	Working pressure	Bursting Rating	Weight	Standard Length
mm	mm	mm	kgf/cm <sup>2</sup> 22°C	kgf/cm <sup>2</sup> 22°C	gr/m	m
20	20.0	24.5	7.0	25	210	50
25	25.0	30.0	7.0	25	270	50
30	30.0	35.0	7.0	25	340	50
32	32.0	37.0	7.0	25	360	50
35	35.0	40.5	6.0	22	450	50
40	40.0	46.0	6.0	22	530	50
45	45.0	52.0	6.0	22	670	50
50	50.5	57.5	5.0	20	750	50
55	55.5	62.5	5.0	20	960	50
60	60.5	68.5	5.0	20	1060	50
65	65.5	73.3	5.0	20	1120	50
70	70.5	79.5	5.0	20	1280	50
75	75.5	84.0	5.0	20	1380	50
80	80.5	91.0	5.0	20	1600	50
90	90.5	100.5	4.0	16	1950	30
100	100.5	111.5	4.0	16	2300	30
110	110.0	123.5	3.0	9	2600	30
125	125.0	137.0	2.5	8	3130	30
150	151.0	167.0	2.0	7	4885	20
200	200.0	217.0	1.0	4	7510	10

# S 115 HFG Super



## Construction

Composed of flexible and see-through PVC reinforced with rigid PVC helix joint both in one part. Smooth inside.

## Characteristic

**DESIGN.** Conceived to resist damages of abrasion, corrosion and weather resistant.

**TRANSPARENCY.** It allows visual check of material flowing.

**STRENGTH.** Achieved because of the internal spiral.

**COMPOSITION.** It can be easily cut in any length.

**TEMPERATURE.** From -10 to +60°C.

Certificates: Food grade and A Bisphenol and Phthalates free. According CE 10/2011 and 2016/1416 standards.(C Simulant).

## Application

Flow of wine and alcohol until 20% and food products. Non Toxic.

Nominal Diameter	Inside Diameter	Outside Diameter	Working pressure	Bursting Rating	Weight	Standard Length
mm	mm	mm	kgf/cm <sup>2</sup> 20°C	kgf/cm <sup>2</sup> 22°C	gr/m	m
30	30.0	35.0	11	30	440	50
32	32.0	37.0	11	30	530	50
35	35.0	40.0	11	30	600	50
40	40.0	50.0	11	30	850	50
45	45.0	53.5	11	30	900	50
50	50.0	60.0	10	25	1150	50
60	60.0	72.0	9	25	1500	50
70	70.0	82.0	8	23	1700	50
75	75.5	86.5	8	23	1800	50
80	80.0	92.5	7	20	2000	50
90	90.5	103.0	7	20	2300	30
100	100.5	113.5	6	18	3000	30
110	110.0	124.0	5	15	3300	30
125	125.0	145.0	4	14	4000	30
150	154.0	174.0	4	14	6500	20
200	200.0	222.0	4	12	10000	10

# S 118



## Construction

Hose made of flexible PVC and NBR rubber reinforced with a rigid PVC spiral. Smooth interior. Do not contain lead derivatives.

## Characteristics

**DESIGN.** Easy to handle because of its lightness.

**TRANSPARENCY.** It allows to see the material transferred.

**STRENGTH.** Achieved because of its internal spiral and resists damages from abrasion, corrosion and weather resistant.

**TEMPERATURE.** From  $-10^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ .

## Application

Transfer of industrial oils and petroleum-based fuels.

Nominal Diameter	Inside Diameter	Outside Diameter	Working pressure	Bursting Rating	Weight	Standard Length
mm	mm	mm	kgf/cm <sup>2</sup> 22°C	kgf/cm <sup>2</sup> 22°C	gr/m	m
30	30.0	35.0	11.0	30	440	50
32	32.0	37.0	11.0	30	530	50
35	35.0	40.0	11.0	30	600	50
40	40.0	50.0	11.0	30	850	50
45	45.0	53.5	11.0	30	900	50
50	50.0	60.0	10.0	25	1150	50
60	60.0	72.0	9.0	25	1500	50
70	70.0	82.0	8.0	23	1700	50
75	75.0	86.5	8.0	23	1800	50
80	80.0	92.5	7.0	20	2000	50
90	90.5	103.0	7.0	20	2300	30
100	100.5	113.5	6.0	15	3000	30
110	110.0	124.0	5.0	15	3300	30
125	125.0	145.0	4.0	14	4000	30
150	151.0	174.0	4.0	14	6500	20
200	200.0	222.0	4.0	12	10000	10



# S 119 Leche (Milk)



## Construction

Composed with flexible and see-through PVC reinforced with rigid white PVC helix in one body. Smooth inside. Do not contain lead.

## Characteristic

**DESIGN.** Conceived to resist damages of abrasion, corrosion and weather resistant.

**TRANSPARENCY.** It allows visual check of the material flowing.

**STRENGTH.** Achieved because of the internal spiral.

**COMPOSITION.** It can be easily cut in any length. **TEMPERATURE :** From -10 to +60°C.

Certificates: Food grade and Bisphenol A and Phthalates free. According CE 10/2011 Standards.

Certificate of Migration of D1 simulator.

## Application

For suction and discharge of milk and alcohol until 50% v/v.

Nominal Diameter	Inside Diameter	Outside Diameter	Working pressure	Bursting Rating	Weight	Standard Length
mm	mm	mm	kgf/cm <sup>2</sup> 22°C	kgf/cm <sup>2</sup> 22°C	gr/m	m
30	30.0	35.0	11	30	440	50
32	32.0	37.0	11	30	530	50
35	35.0	40.0	11	30	600	50
40	40.0	50.0	11	30	850	50
45	45.0	53.5	11	30	900	50
50	50.0	60.0	10	25	1150	50
60	60.0	72.0	9	25	1500	50
70	70.0	82.0	8	23	1700	50
75	75.5	86.5	8	23	1800	50
80	80.0	92.5	7	20	2000	50
90	90.5	103.0	7	20	2300	30
100	100.5	113.5	6	18	3000	30
110	110.0	124.0	5	15	3300	30
125	125.0	145.0	4	14	4000	30
150	154.0	174.0	4	14	6500	20
200	200.0	222.0	4	12	10000	10

# S 100 Super



## Construction

Polyurethane hose composed of transparent flexible PVC, reinforced with a smooth interior black PVC spiral.

## Characteristics

**DESIGN.** Specially designed to resist damages from abrasion, corrosion and weather resistant.

**TRANSPARENCY.** It allows to see the transported material.

**STRENGTH.** Achieved because of the internal spiral.

**TEMPERATURE.** -5 to +60°C.

**ANTISTATIC.** Antistatic due to the copper wire placed inside. (Available on request).

## Application

Absorption and/or impulsion of dry materials.

Agricultural industry vacuum system of abrasive materials.

Nominal Diameter	Inside Diameter	Outside Diameter	Working pressure	Bursting Rating	Weight	Standard Length
mm	mm	mm	kgf/cm <sup>2</sup> 20°C	kgf/cm <sup>2</sup> 22°C	gr/m	m
30	30.0	35.0	11	30	440	50
32	32.0	37.0	11	30	530	50
35	35.0	40.0	11	30	600	50
40	40.0	50.0	11	30	850	50
45	45.0	53.5	11	30	900	50
50	50.0	60.0	10	25	1150	50
60	60.0	72.0	9	25	1500	50
70	70.0	82.0	8	23	1700	50
75	75.5	86.5	8	23	1800	50
80	80.0	92.5	7	20	2000	50
90	90.5	103.0	7	20	2300	30
100	100.5	113.5	6	18	3000	30
110	110.0	124.0	5	15	3300	30
125	125.0	145.0	4	14	4000	30
150	154.0	174.0	4	14	6500	20
200	200.0	222.0	4	12	10000	10

# S 100 Light



## Construction

Polyurethane hose composed of transparent flexible PVC, reinforced with a rigid PVC black helix. Smooth interior and exterior.

## Characteristics

**DESIGN.** Specially designed to resist damages from abrasion, corrosion and weather resistant.

**TRANSPARENCY.** It allows to see the transported material.

**STRENGTH.** Achieved because of the internal spiral.

**TEMPERATURE.** From  $-5^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ .

**ANTISTATIC.** Antistatic due to the copper wire placed inside. (Available on request).

## Application

Absorption and/or impulsion of dry materials. Food quality.

Agricultural industry, vacuum system of abrasive materials.

Nominal Diameter	Inside Diameter	Outside Diameter	Working pressure	Bursting Rating	Weight	Standard Length
mm	mm	mm	kgf/cm <sup>2</sup> 20°C	kgf/cm <sup>2</sup> 22°C	gr/m	m
20	20.0	24.5	7.0	25	210	50
25	25.0	30.0	7.0	25	270	50
30	30.0	35.0	7.0	25	340	50
32	32.0	37.0	7.0	25	360	50
35	35.0	40.5	6.0	22	450	50
40	40.0	46.0	6.0	22	530	50
45	45.0	52.0	6.0	22	670	50
50	50.5	57.5	5.0	20	750	50
55	55.5	62.5	5.0	20	960	50
60	60.5	68.5	5.0	20	1060	50
65	65.5	73.3	5.0	20	1120	50
70	70.5	79.5	5.0	20	1280	50
75	75.5	84.0	5.0	20	1380	50
80	80.5	91.0	5.0	20	1600	50
90	90.5	100.5	4.0	16	1950	30
100	100.5	111.5	4.0	16	2300	30
110	110.0	123.5	3.0	9	2600	30
125	125.0	137.0	2.5	8	3130	30
150	151.0	167.0	2.0	7	4885	20
200	200.0	217.0	1.0	4	7510	10

# S 100 Duct



## Construction

Polyurethane with flexible and transparent PVC, reinforced with a black PVC spiral.

## Characteristics

**DESIGN.** Lightweight and flexible in sub-zero temperatures. Corrugated exterior and smooth interior.

**TRANSPARENCY.** It allows to see the material transferred.

**STRENGTH.** Thanks to the hardness of its internal spiral. **TEMPERATURE.** From -25°C to +60°C.

## Application

Dry material pneumatic conveying systems and plastic pellet and powder transfer when static is not a concern. Agricultural applications, such as air seeders, abrasive material vacuum system and equipment.

Nominal Diameter	Inside Diameter	Outside Diameter	Working Pressure	Vacuum Rating	Minimum Bend Radius	Weight	Standard Length
mm	mm	mm	kgf/cm <sup>2</sup> 20°C	kgf/cm <sup>2</sup> 22°C	mm 22°C	gr/m	m
20	20	24.5	0.6	0.68	20	150	50
25	25	30.0	0.6	0.68	25	200	50
30	30	34.7	0.6	0.68	30	240	50
32	32	38.0	0.6	0.68	32	260	50
35	35	40.5	0.6	0.68	35	280	50
40	40	45.5	0.6	0.68	40	340	50
45	45	51.4	0.5	0.68	45	410	50
50	50	56.6	0.5	0.68	50	490	50
55	55	61.4	0.5	0.68	55	600	50
60	60	68.2	0.4	0.34	60	660	50
65	65	73.0	0.4	0.34	65	700	50
70	70	78.0	0.4	0.34	70	720	50
75	75	84.5	0.4	0.34	75	870	50
80	80	89.0	0.3	0.34	80	950	50
90	90	98.0	0.3	0.27	90	1000	30
100	100	112.0	0.3	0.22	100	1030	30
110	110	122.0	0.3	0.20	110	1150	30
120	120	131.0	0.3	0.20	120	1200	30
125	125	138.0	0.2	0.20	125	1260	30
140	140	153.0	0.2	0.15	140	1400	20
150	150	163.0	0.2	0.15	150	1500	20
160	160	170.0	0.2	0.10	160	1600	20
200	200	216.0	0.1	0.06	200	2046	20
250	250	263.0	0.1	0.05	250	3000	20
300	300	318.4	0.1	0.03	300	3550	10

# S 170



## Construction

Hose made of flexible and clear PVC, reinforced with a rigid grey PVC spiral. Smooth interior. Opaque grey available on request).

## Characteristics

**DESIGN.** Specially designed to resist damages from abrasion, corrosion and weather resistant.

**TRANSPARENCY.** It allows to see the material transferred.

**STRENGTH.** Achieved because of its internal spiral.

**TEMPERATURE.** From  $-30^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ .

Available on request with copper wire.

## Application

Absorption and/or discharge of septic tank, sewer, slurry,...

Agricultural industry, irrigation systems, waste disposal vehicles,...

Nominal Diameter	Inside Diameter	Outside Diameter	Working Pressure	Vacuum Rating	Minimum Bend Radius	Weight	Standard Length
mm	mm	mm	kgf/cm <sup>2</sup> 20°C	kgf/cm <sup>2</sup> 22°C	mm 22°C	gr/m	m
30	30.0	38	3	0.9	40	450	50
35	35.0	43	3	0.9	45	600	50
40	40.0	50	3	0.9	50	750	50
45	45.0	55	3	0.9	55	800	50
50	50.5	60	3	0.9	60	850	50
60	60.5	71	3	0.9	80	1050	50
65	65.5	76	3	0.9	130	1100	50
70	70.5	81	3	0.9	140	1250	50
75	75.5	86	3	0.9	150	1350	50
80	80	91	2.5	0.9	160	1500	50
90	90.5	104	2.5	0.8	180	2000	30
100	100.5	113	2.5	0.8	200	2300	30
110	110.0	124	2	0.8	240	2600	30
125	125.5	142	2	0.8	300	3600	30
150	153	170	2	0.8	350	4500	20
200	202	221	2	0.8	600	6600	10

# S 170 Tricapa



## Construction

Hose made of flexible and clear PVC, reinforced with a rigid grey PVC spiral and polyurethane layer to increase the resistance to the abrasion. Smooth interior and corrugated exterior.

## Characteristics

**DESIGN.** Specially designed to resist damages from abrasion, corrosion and weather resistant.

**TRANSPARENCY.** It allows to see the material transferred.

**STRENGTH.** Achieved because of its internal spiral.

**TEMPERATURE.** From  $-25^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ .

Available on request with copper wire.

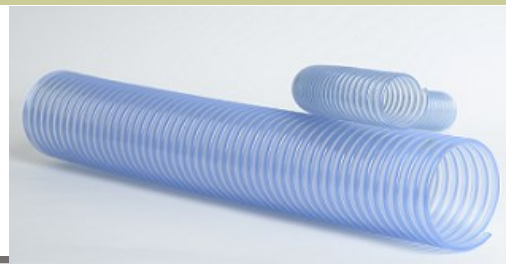
## Application

Absorption and/or discharge of cereals, grains, pellet, abrasive materials...

Agricultural industry, irrigation systems, waste disposal vehicles,...

Nominal Diameter	Inside Diameter	Outside Diameter	Working Pressure	Vacuum Rating	Minimum Bend Radius	Weight	Standard Length
mm	mm	mm	kgf/cm <sup>2</sup> 20°C	kgf/cm <sup>2</sup> 22°C	mm 22°C	gr/m	m
30	30	40	3	0.9	40	600	50
35	35	45	3	0.9	45	750	50
40	40	52	3	0.9	50	960	50
45	45	57	3	0.9	55	1050	50
50	50.5	62	3	0.9	60	1150	50
60	60.5	72	3	0.9	80	1500	50
65	65.5	77	3	0.9	130	1600	50
70	70.5	82	3	0.9	140	1700	50
75	75.5	87	3	0.9	150	1800	50
80	80	91.0	2.5	0.9	160	2000	50
90	90.5	100.5	2.5	0.8	180	2400	30
100	100.5	111.5	2.5	0.8	200	2620	30
110	110.0	123.5	2	0.8	240	3000	30
125	125.5	137.0	2	0.8	300	4200	30
150	153	167.0	2	0.8	350	5150	20
200	202	217.0	2	0.8	600	8400	10

# S 150 HFG/160 HFG



## Construction

Composed with flexible and see-through PVC reinforced with rigid PVC helix.  
Smooth inside. S-160 with external PVC grey helix.

## Characteristic

**DESIGN.** Conceived to resist damages of abrasion, corrosion and weather resistant.

**TRANSPARENCY.** It allows visual check of the material flowing.

**STRENGTH.** Achieved because of the internal spiral.

**COMPOSITION.** It can be easily cut in any length.

**TEMPERATURE.** From -10 to +60°C.

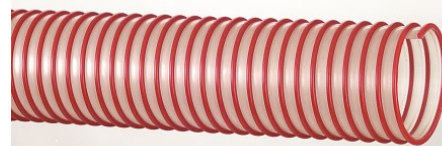
Certificates: Food grade and free of Bisphenol A and Ftalatos. CE 10/2011 Standards.

## Application

Flow of wine, alcohol until 20% and food products. Non Toxic.

Nominal Diameter	Inside Diameter	Outside Diameter	Working Pressure	Vacuum Rating	Minimum Bend Radius	Weight	Standard Length	Model
mm	mm	mm	kgf/cm <sup>2</sup> 20°C	kgf/cm <sup>2</sup> 22°C	gr/m	mm 22°C	m	
20	20	24.5	0.6	0.68	20	150	50	150 HFG
25	25	30.0	0.6	0.68	25	200	50	150 HFG
30	30	34.7	0.6	0.68	30	240	50	150 HFG
32	32	38.0	0.6	0.68	32	260	50	150 HFG
35	35	40.5	0.6	0.68	35	280	50	150 HFG
40	40	45.5	0.6	0.68	40	340	50	150 HFG
45	45	51.4	0.5	0.68	45	410	50	150 HFG
50	50	56.6	0.5	0.68	50	490	50	150 HFG
55	55	61.4	0.5	0.68	55	600	50	150 HFG
60	60	68.2	0.4	0.34	60	660	50	150 HFG
65	65	73.0	0.4	0.34	65	700	50	150 HFG
70	70	78.0	0.4	0.34	70	720	50	150 HFG
75	75	84.5	0.4	0.34	75	870	50	150 HFG
80	80	89.0	0.3	0.34	80	950	50	150 HFG
90	90	98.0	0.3	0.27	90	1000	30	150 HFG
100	100	112.0	0.3	0.22	100	1030	30	160 HFG
110	110	122.0	0.3	0.20	110	1150	30	160 HFG
120	120	131.0	0.3	0.20	120	1200	30	160 HFG
125	125	138.0	0.2	0.20	125	1260	30	160 HFG
140	140	153.0	0.2	0.15	140	1400	20	160 HFG
150	150	163.0	0.2	0.15	150	1500	20	160 HFG
160	160	170.0	0.2	0.10	160	1600	20	160 HFG
200	200	216.0	0.1	0.06	200	2046	20	160 HFG
250	250	263.0	0.1	0.05	250	3000	20	160 HFG
300	300	318.4	0.1	0.03	300	3550	10	160 HFG

# S 150 PU/160 PU



## Construction

Composed with flexible and see-through polyurethane reinforced with rigid PVC helix .  
Smooth inside and corrugated outside.

## Characteristic

**DESIGN.** Lightweight and extremely flexible .

**TRANSPARENCY.** It allows visual check of the material flowing.

**STRENGTH.** External helix provides for easy drag.

**COMPOSITION:** Made with abrasion-resistant polyurethane. **TEMPERATURE:** From -25 to +60°C.

## Application

Medium-duty ducting and blower applications. Use with light to medium weight abrasives, leaf and grass collection, cotton pickers, mulch blowing, dust and sawdust collection.

Nominal Diameter	Inside Diameter	Outside Diameter	Working Pressure	Vacuum Rating	Minimum Bend Radius	Weight	Standard Length	Hose
mm	mm	mm	kgf/cm <sup>2</sup> 20°C	kgf/cm <sup>2</sup> 22°C	Mm 22°C	gr/m	m	
20	20	24.5	0.6	0.68	20	150	50	150 PU
25	25	30.0	0.6	0.68	25	200	50	150 PU
30	30	34.7	0.6	0.68	30	240	50	150 PU
32	32	38.0	0.6	0.68	32	260	50	150 PU
35	35	40.5	0.6	0.68	35	280	50	150 PU
40	40	45.5	0.6	0.68	40	340	50	150 PU
45	45	51.4	0.5	0.68	45	410	50	150 PU
50	50	56.6	0.5	0.68	50	490	50	150 PU
55	55	61.4	0.5	0.68	55	600	50	150 PU
60	60	68.2	0.4	0.34	60	660	50	150 PU
65	65	73.0	0.4	0.34	65	700	50	150 PU
70	70	78.0	0.4	0.34	70	720	50	150 PU
75	75	84.5	0.4	0.34	75	870	50	150 PU
80	80	89.0	0.3	0.34	80	950	50	150 PU
90	90	98.0	0.3	0.27	90	1000	30	150 PU
100	100	112.0	0.3	0.22	100	1030	30	160 PU
110	110	122.0	0.3	0.20	110	1150	30	160 PU
120	120	131.0	0.3	0.20	120	1200	30	160 PU
125	125	138.0	0.2	0.20	125	1260	30	160 PU
140	140	153.0	0.2	0.15	140	1400	20	160 PU
150	150	163.0	0.2	0.15	150	1500	20	160 PU
160	160	170.0	0.2	0.10	160	1600	20	160 PU
200	200	216.0	0.1	0.06	200	2046	20	160 PU
250	250	263.0	0.1	0.05	250	3000	20	160 PU
300	300	318.4	0.1	0.03	300	3550	10	160 PU





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