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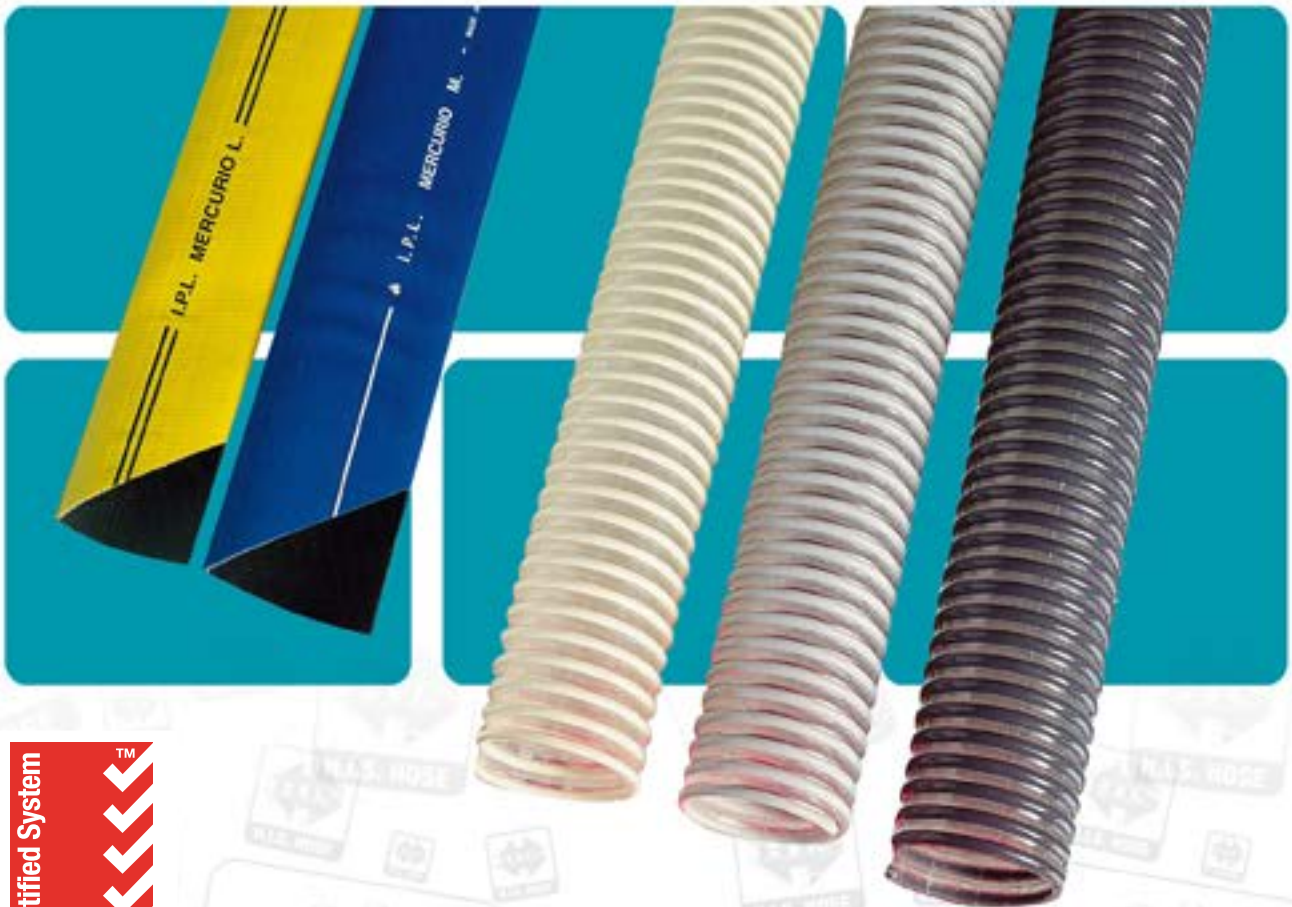


**CATALOGUE**

**H.I.S. HOSE**

Proprietary Limited

# IPL PLASTIC HOSE



Quality  
ISO 9001

SAI GLOBAL  
CERT NO QEC22270

**Industrial • Hydraulics • Ducting • Pneumatics**

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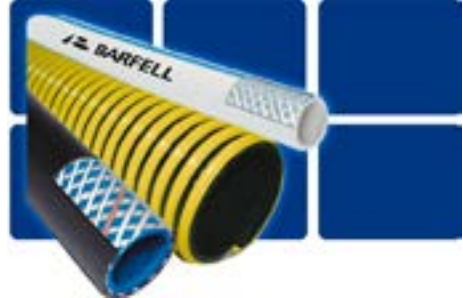
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## Other Catalogues Available:



▶ *Flexible Ducting*



▶ *Barfell Plastic Hoses & Tubes*



▶ *Automotive*



▶ *Plastic Tubing & Recoil Hose*



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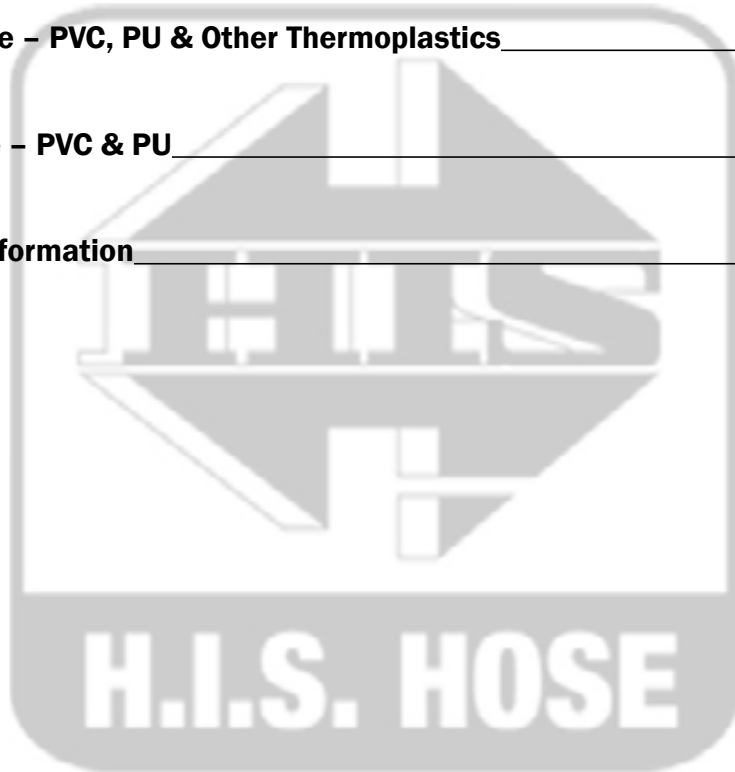
▶ *Hose Clamps & Clips*

- Hose Clips
- Hose Clamps
- Normconnect
- Oetiker Swing Couplers



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# IPL PLASTIC HOSES

## PVC SUCTION



Sizes available up to 200mm.

### BACCO

### WINE/BEVERAGES

PVC hose reinforced by antishock rigid PVC spiral. Inside smooth, very strong and flexible. Resistant to fatigue, weather and most chemical products. Food grade according to the European Regulation 2002/72/CE, classes A, B, C (with alcoholic content up to 30% concentration). **Colour:** Transparent with red spiral. **APPLICATIONS:** Suction and delivery of alimentary products (no fatty foods) such as wine, grapes and liqueurs. The antistatic version and the low temperature (-25°C/-16°F) are available on request.

Product Number	I.D. mm	I.D. Inch	Weight gr/mt2	Wall Thickness mm	Bending Radius mm	W.P. Bar	W.P. PSI	Vacuum mL/H2O	Coil Length mts
BACCO020	20	3/4"	310	3.2	110	9	135	10	50
BACCO025	25	1"	400	3.3	170	8	120	10	50
BACCO032	32	1.1/4"	520	3.5	230	7	105	10	50
BACCO038	38	1.1/2"	730	4.1	260	7	105	10	50
BACCO050	50	2"	1100	5.3	350	6	90	10	50
BACCO063	63	2.1/2"	1630	6.1	440	6	90	10	50
BACCO076	76	3"	1950	6.3	525	5	75	10	50
BACCO100	100	4"	3300	8.1	695	5	75	9	30

### NETTUNO

### FOOD GRADE

PVC hose reinforced by antishock rigid PVC spiral. Inner PU layer abrasion resistant and food grade according to European Regulation 2002/72/CE, classes A, B, C, D (except milky products). Inside smooth, light, very flexible and strong, resists fatigue, weather and most chemicals. **Colour:** Transparent with ivory spiral. **APPLICATIONS:** Suction and delivery of alimentary products and liquids. Due to its PU layer is particularly suitable for transport of grains, animal feed, sugar and flour, whenever stronger abrasion resistance is needed. The antistatic version is available on request. Temperature range is -10°C to 60°C (14°F to 140°F).

Product Number	I.D. mm	I.D. Inch	Weight gr/mt2	Wall Thickness mm	Bending Radius mm	W.P. Bar	W.P. PSI	Vacuum mL/H2O	Coil Length mts
NETTUNO020	20	3/4"	250	2.8	110	7	100	7	50
NETTUNO025	25	1"	300	2.8	130	7	100	7	50
NETTUNO032	32	1.1/4"	390	2.9	155	5	90	7	50
NETTUNO038	38	1.1/2"	520	3.1	185	5	75	7	50
NETTUNO045	45	1.3/4"	670	3.1	215	5	75	7	50
NETTUNO050	50	2"	800	3.3	235	5	75	7	50
NETTUNO063	63	2.1/2"	1040	3.5	290	5	75	7	50
NETTUNO076	76	3"	1380	3.9	340	5	75	7	50
NETTUNO100	100	4"	2200	4.7	470	4	60	7	30
NETTUNO127	127	5"	3000	6.2	680	3	45	5.5	30
NETTUNO150	150	6"	4300	7.3	780	3	45	5	20

### PLUTONE A

### FOOD GRADE

Flexible hose made with a revolutionary PVC, coming almost totally from natural renewable sources. With steel spiral, inside and outside completely smooth. Food grade according to the European 2002/72/CE and its amendments, classes A, B, C. Hose is compliant with FDA regulations. The material allows to save CO2 emissions. Resistant to atmospheric agents and to a lot of chemical substances. **APPLICATION:** To deliver liquids an substances in the food industry (except fatty food) like drinks, juices, wine, vinegar and spirits with max. alcohol content of 15% according to European Directives. **Temperature:** -10 °C to +60 °C (+14 °F to +140 °F). **Colour:** Transparent with wire spiral.

Product Number	I.D. mm	I.D. Inch	Weight gr/mt2	Wall Thickness mm	Bending Radius mm	W.P. Bar	W.P. PSI	Vacuum mL/H2O	Coil Length mts
PLUTONEA006	6	1/4"	130	2.7	30	5	75	9.5	60
PLUTONEA008	8	5/16"	160	2.7	40	5	75	9.5	60
PLUTONEA010	10	3/8"	185	2.7	50	7	75	8.5	60
PLUTONEA012	12	1/2"	210	2.7	50	7	75	8.5	60
PLUTONEA016	16	5/8"	275	3	70	7	75	8.5	60
PLUTONEA020	20	3/4"	355	3.5	90	6	75	8.5	60
PLUTONEA025	25	1"	510	4	110	6	60	8.5	60
PLUTONEA032	32	1.1/4"	665	4.2	140	5	60	8.5	60
PLUTONEA038	38	1.1/2"	805	4.5	170	5	60	8.5	30
PLUTONEA045	45	1.3/4"	1135	4.9	200	4	60	8.0	30
PLUTONEA050	50	2"	1275	5	230	4	60	8.0	30
PLUTONEA060	60	2.3/8"	1745	5.9	270	3.5	55	8.0	30
PLUTONEA063	63	2.1/2"	1830	5.9	280	3.5	55	8.0	30
PLUTONEA076	76	3"	2275	6.1	340	3.5	55	7.0	30
PLUTONEA090	90	3.1/2"	3025	6.5	410	3	45	7.0	20
PLUTONEA102	102	4"	3490	6.5	460	2	35	7.0	20
PLUTONEA127	127	5"	5500	8.7	640	1.2	20	9.0	20
PLUTONEA150	150	6"	6900	9.3	760	1.2	20	9.0	20

**NOTE ABOVE PVC FOOD GRADE HOSES ARE 100% PHTHALATES FREE**

## MARTE

## OIL RESISTANT

Plasticized PVC hose with incorporated spiral reinforcement of anti-shock rigid PVC. Inside surface smooth, light corrugation outside. Very strong and resistant to crushing, abrasion, atmospheric agents and most chemicals.

**Applications:** Suction and delivery of fuel, petrol, gas, mineral oils, etc. Can be manufactured antistatic. **Temperature Range:** -10°C to +60°C (+14°F to +140°F)

**Colour:** Dark Blue

Product No.	Inside Diam. mm	Inside Diam. Inch	Weight gr/mt	Wall Thickness mm	Bending Radius mm	Working Pressure Bar	Working Pressure Psi	Vacuum mt/H2O	Coil Length mt
MARTE020	20	3/4"	420	3.8	140	8	120	10	50
MARTE025	25	1"	550	4.2	170	8	120	10	50
MARTE032	32	1.1/4"	700	4.3	205	8	120	10	50
MARTE038	38	1.1/2"	800	4.3	235	7	105	10	50
MARTE050	50	2"	1150	4.8	300	6	90	10	50
MARTE063	63	2.1/2"	1680	5.5	370	6	90	10	50
MARTE076	76	3"	2050	5.7	440	5	75	10	50
MARTE100	100	4"	3300	6.8	600	4	60	9	30

Sizes available up to 200mm.



Sizes available up to 200mm.

## GIOVE

## GENERAL PURPOSE HD

Flexible PVC hose reinforced with an anti-shock rigid PVC spiral. Inside surface smooth, light corrugation outside. Its extreme strength makes it suitable for heavy-duty applications. Resistant to crushing, abrasion, atmospheric agent and most chemicals.

**Applications:** For suction and discharge of waters, sewage, mud, wood mixing, acid, latex, grains and other materials. It is placed on tank trucks, ships, silos etc.

**Temperature Range:** -10°C to +60°C (+14°C to +140°C)

**Colour:** Metal grey

SIZES AVAILABLE UP TO 300MM. Can be manufactured antistatic on request.

Product No.	Inside Diam. mm	Inside Diam. Inch	Weight gr/mt	Wall Thickness mm	Bending Radius mm	Working Pressure Bar	Working Pressure Psi	Vacuum mt/H2O	Coil Length mt
GIOVE025	25	1"	550	4.7	150	10	145	10	50
GIOVE032	32	1.1/4"	700	4.8	190	10	145	10	50
GIOVE038	38	1.1/2"	800	4.9	230	10	145	10	50
GIOVE050	50	2"	1200	5.6	300	7	115	10	50
GIOVE063	63	2.1/2"	1700	6.2	380	7	100	10	50
GIOVE076	76	3"	2000	6.3	470	4.5	100	10	50
GIOVE100	100	4"	3300	8.1	600	4	72	9	30
GIOVE127	127	5"	4200	8.3	750	3.5	72	9	30
GIOVE150	150	6"	6300	10.2	900	3	58	9	20

Sizes available up to 300mm.



## PLUTONE PRESS BIO

## FOOD GRADE

Flexible hose made with a revolutionary BIOLOGICAL PVC, coming almost totally from natural renewable sources. With steel spiral and polyester reinforcement. Inside and outside completely smooth. Food grade according to the European 2002/72/CE and its amendments, classes A, B, C. Furthermore, the hose is compliant with FDA regulations. Completely free of phthalates and other synthetic plasticizers. The material allows to save CO2 emissions. Resistant to atmospheric agents and to a lot of chemical substances.

**Applications:** To deliver liquids and substances in the good industry (except fatty food) like drinks, juices, wine, vinegar and spirits with max alcohol content of 15% according to European Directives. **Temperature Range:** -10°C to +60°C (+14°F to +140°F)

**Colour:** Transparent.

Product No.	Inside Diam. mm	Inside Diam. Inch	Weight gr/mt	O.D. mm	Bending Radius mm	Working Pressure Bar	Working Pressure Psi	Vacuum mt/H2O	Coil Length mt
PLUTONEPRESS20BIO	20	3/4"	470	29	60	14	200	10	60
PLUTONEPRESS25BIO	25	1"	650	35	75	12	175	10	60
PLUTONEPRESS32BIO	32	1.1/4"	880	43	96	11	160	9	60
PLUTONEPRESS38BIO	38	1.1/2"	1025	49	110	10	145	9	30
PLUTONEPRESS50BIO	50	2"	1615	63	150	8	120	8	30
PLUTONEPRESS76BIO	76	3"	2660	91	230	6	90	7	30



**NOTE ABOVE PVC FOOD GRADE HOSES ARE 100% PHTHALATES FREE**





# IPL PLASTIC HOSES



## PVC SUCTION

### SATURNO

### GENERAL PURPOSE MD

**Features:** PVC hose reinforced with an anti-shock rigid PVC spiral. Inside surface smooth, light corrugation outside. Strong and flexible, resistant to crushing, abrasion and most chemicals.

**Applications:** Excellent for suction in general, particularly suitable to be used on slurry machines.

**Temperature Range:** -10°C to +60°C (+14°F to +140°F)

Colour: Transparent with light blue spiral.

SIZES AVAILABLE UP TO 300MM. Can be manufactured antistatic upon request.

Product No.	Inside Diam. mm	Inside Diam. Inch	Weight gr/mt	Wall Thickness mm	Bending Radius mm	Working Pressure Bar	Working Pressure Psi	Vacuum mt/H2O	Coil Length mt
SATURNO020	20	3/4"	220	2.2	110	5	90	6	50
SATURNO025	25	1"	280	2.3	140	5	90	6	50
SATURNO032	32	1.1/4"	370	2.4	180	5	90	6	50
SATURNO038	38	1.1/2"	470	2.6	210	5	90	6	50
SATURNO045	45	1.3/4"	590	2.7	250	5	90	6	50
SATURNO050	50	2"	710	3	270	5	90	6	50
SATURNO055	55	-	750	3.6	310	5	90	6	50
SATURNO063	63	2.1/2"	920	3	350	5	90	6	50
SATURNO076	76	3"	1180	3.3	500	4	90	6	50
SATURNO100	100	4"	2200	4.6	710	3	90	6	30
SATURNO127	127	5"	3000	6.2	680	3	90	6	30
SATURNO150	150	6"	4300	6.2	780	3	90	6	20

Sizes available up to 300mm.

### SUPERFLEX

### MATERIALS HANDLING

Corrugated exterior which enables easy dragging of the hose on the ground and an excellent strength/flexibility ratio. Its particular formulation makes it the best choice at low temperatures. Resistant to crushing, abrasion and most chemicals.

**Applications:** Excellent for suction in general, particularly suitable for applications on tank trucks, due to its flexibility particularly at lower temperatures. **Temperature Range:** -25°C to +60°C (-13°F to +122°F)

Colour: Blue with red spiral

Product No.	Inside Diam. mm	Inside Diam. Inch	Weight gr/mt	Wall Thickness mm	Bending Radius mm	Working Pressure Bar	Vacuum mt/H2O	Coil Length mt
SUPERFLEX025	25	3/4"	400	3.9	100	6	10	50
SUPERFLEX032	32	1.1/4"	580	4.4	130	6	10	50
SUPERFLEX038	38	1.1/2"	700	4.6	155	5	10	50
SUPERFLEX050	50	2"	1000	5.2	200	4	10	50
SUPERFLEX063	63	2.1/2"	1400	5.7	260	4	9	50
SUPERFLEX076	76	3"	1700	6.2	310	3	9	50
SUPERFLEX100	100	4"	2650	8.0	410	3	8.5	30
SUPERFLEX127	127	5"	3600	8.4	510	2.5	8	30
SUPERFLEX150	150	6"	5000	9.7	610	2	8	20
SUPERFLEX200	200	8"	10000	13.7	850	1.5	7	10

### TITANO

### MATERIALS HANDLING

**Features:** Multi-layer hose, inside made of a blend of antistatic PVC/NBR/TPU (measurement in accordance with ISO 8031). Flexible even at low temperatures, suitable for medium level abrasion. Similar look to rubber.

**Applications:** Industrial and street cleaning, waste management and transport of gravel, stones & waste.

**Temperature Range:** -30°C to +65°C

Colour: Black

Product No.	Inside Diam. mm	Inside Diam. Inch	Weight gr/mt	Wall Thickness mm	Bending Radius mm	Working Pressure Bar	Working Pressure Psi	Vacuum mt/H2O	Coil Length mt
TITANO050	50	2"	1095	6.5	140	2	30	9	50
TITANO063	63	2.5"	1335	6.8	150	2	30	9	50
TITANO076	76	3"	1650	7.3	190	2	30	9	50
TITANO100	102	4"	2685	9.1	280	2	30	9	30
TITANO127	127	5"	3450	9.1	380	2	30	8	30
TITANO150	152	6"	4250	9.7	510	1	15	8	20
TITANO200	203	8"	6350	11.3	760	1	15	8	10

## NETTUNO PU

## MATERIALS HANDLING

PVC hose reinforced by antishock rigid PVC spiral. Inner PU layer abrasion resistant and good grade according to the European Regulation 2002/72/CE, classes A, B, C, D (except milky products). Inside smooth, light, very flexible and strong, resistant to fatigue, weather and most chemicals.

**Applications:** Suction and delivery of alimentary products and liquids. Thanks to its PU layer it is particularly suitable for transport of grains, animal feed, sugar and flour, whenever stronger abrasion resistance is needed.

**Temperature Range:** -10°C to +60°C (+14°F to +140°F) **Colour:** Clear with ivory spiral. Also incorporates anti-static braided wire in spiral. The anti-static version is available on request.

Product No.	Inside Diam. mm	Inside Diam. Inch	Weight gr/mt	Wall Thcknss mm	Bending Radius mm	Working Press. Bar	Working Press. Psi	Vacuum mt/H2O	Coil Length mt
NETTUNOPU38A/S	38	1.1/4"	520	3.7	185	5	75	7	30
NETTUNOPU45A/S	45	1.1/2"	670	4.1	215	5	75	7	30
NETTUNOPU50A/S	50	2"	800	4.5	235	5	75	7	30

## EOLO SL

Plasticized PVC duct with antishock rigid PVC spiral. Perfectly smooth inside, outside corrugated. The lightest and most flexible in the range.

**Applications:** Suction of air, gums, gas. Conditioning aeration. Resistant to low temperatures.

**Temperature Range:** -10°C to +50°C (+14°F to +140°F) **Colour:** Blue.

Product No.	Inside Diam. mm	Inside Diam. Inch	Weight gr/mt	Wall Thickness mm	Bending Radius mm	Working Pressure Bar	Working Pressure Psi	Vacuum mt/H2O	Coil Length mt
EOLOSL020	20	3/4"	120	0.6	40	-	-	0.8	30
EOLOSL025	25	1"	140	0.6	40	-	-	0.8	30
EOLOSL032	32	1.1/4"	160	0.6	40	-	-	0.7	30
EOLOSL038	38	1.1/2"	195	0.6	50	-	-	0.7	30
EOLOSL045	45	1.3/4"	245	0.7	80	-	-	0.7	30
EOLOSL050	50	2"	290	0.7	90	-	-	0.7	30
EOLOSL063	63	2.1/2"	460	0.7	100	-	-	0.6	30
EOLOSL076	76	3"	550	0.7	120	-	-	0.5	30
EOLOSL0102	102	4"	750	0.7	160	-	-	0.4	30
EOLOSL0127	127	5"	1100	0.8	230	-	-	0.4	30
EOLOSL0150	150	6"	1500	0.8	280	-	-	0.3	20

## EOLO

Plasticized PVC duct with antishock rigid PVC spiral. Perfectly smooth inside, outside corrugated. Very light and flexible. Resistant to atmospheric agents and to most chemicals.

**Applications:** Suction of air, fumes, gas, powders, sawing, dust. Aerating and conditioning plants, wood working plants.

**Temperature Range:** -10°C to +50°C (+14°F to +122°F)

**Colour:** Grey. Can be manufactured antistatic upon request.

Product No.	Inside Diam. mm	Inside Diam. Inch	Weight gr/mt	Wall Thickness mm	Bending Radius mm	Working Pressure Bar	Working Pressure Psi	Vacuum mt/H2O	Coil Length mt
EOLO032	32	1.1/4"	230	2.9	48	-	-	3.5	50
EOLO040	40	1.1/2"	320	3.3	57	-	-	3	50
EOLO050	50	2"	485	3.9	75	-	-	3	50
EOLO076	76	3"	755	4.3	114	-	-	2.5	50
EOLO100	100	4"	1215	5.4	155	-	-	2.5	30
EOLO127	127	5"	1550	5.6	190	-	-	2.5	30
EOLO150	150	6"	1940	6.1	217	-	-	2	20
EOLO200	200	8"	2615	6.6	275	-	-	1.5	20
EOLO300	300	12"	4370	7.2	375	-	-	1	10



Also available without anti-static wire and other sizes on application.



# IPL PLASTIC HOSES

## PVC SUCTION



# IPL PLASTIC HOSES

## FLEXIBLE DUCTING



Other sizes on application.

### EOLO PU

Polyurethane hose reinforced with rigid PVC spiral, inside surface perfectly smooth, outside, corrugated. Very light and flexible. High resistance to abrasion (5 times superior to PVC). Weather resistant, suitable for most chemicals.

**APPLICATIONS:** Suction and discharge of abrasive powders, fumes, shavings, vapours. *Temperature Range:* -20°C +80°C (-4°F to +176°F) **COLOUR:** TRANSPARENT WITH IVORY SPIRAL.

Product No.	Inside Diam.		Weight gr/mt	Bending Radius mm	Vacuum mt/H <sub>2</sub> O	Coil Length mt
	mm	inch				
EOLOPU025	25	1"	150	30	2.0	20
EOLOPU032	32	1.1/4"	180	35	2.0	20
EOLOPU035	35	1.3/8"	200	45	2.0	20
EOLOPU038	38	1.1/2"	220	50	2.0	20
EOLOPU045	45	1.3/4"	270	65	2.0	20
EOLOPU050	50	2"	320	70	2.0	20
EOLOPU055	55	2.1/4"	400	75	2.0	20
EOLOPU063	63	2.1/2"	510	80	1.6	20
EOLOPU076	76	3"	600	100	1.6	30
EOLOPU080	80		650	110	1.6	30
EOLOPU090	90	3.1/2"	750	125	1.4	30
EOLOPU100	100	4"	820	140	1.3	30
EOLOPU110	110	4.1/2"	950	150	1.2	30
EOLOPU127	127	5"	1150	170	1.0	30
EOLOPU150	150	6"	1500	200	0.8	20
EOLOPU180	180	7"	2140	250	0.4	20
EOLOPU200	200	8"	2300	260	0.4	20
EOLOPU250	250	10"	3400	300	0.4	10
EOLOPU300	300	12"	4100	350	0.3	10

### EOLO PU ANTI-STATIC

As EOLO PU with anti-static braided wire incorporated in spiral.

Product No.	Inside Diam.		Weight gr/mt	Bending Radius mm	Vacuum mt/H <sub>2</sub> O	Coil Length mt
	mm	inch				
EOLOPU032A/S	32	1.1/4"	195	35	2.0	20
EOLOPU035A/S	35	1.3/8"	240	45	2.0	20
EOLOPU038A/S	38	1.1/2"	253	50	2.0	20
EOLOPU050A/S	50	2"	357	70	2.0	20
EOLOPU063A/S	63	2.1/2"	542	80	1.6	20
EOLOPU076A/S	76	3"	631	100	1.6	30
EOLOPU080A/S	80		700	110	1.6	30
EOLOPU090A/S	90	3.1/2"	754	125	1.4	30
EOLOPU100A/S	100	4"	834	140	1.3	30
EOLOPU150A/S	150	6"	1650	200	0.8	20
EOLOPU200A/S	200	8"	2550	260	0.4	20

### EOLO PUP

Polyurethane hose reinforced with rigid PVC spiral, inside surface – perfectly smooth; outside – corrugated. Excellent flexibility with a high resistance to abrasion (five times superior to PVC). Weather resistant, suitable for most chemicals. *Applications:* Suction and discharge of abrasive powders, fumes, shavings, vapours, chips, gravel, sand, cement, heavy duty industrial and abrasive applications. Can be manufactured with an anti-static option. *Temperature Range:* -20°C +80°C (-4°F to +176°F) **COLOUR:** TRANSPARENT WITH LIGHT GREY SPIRAL.

Product No.	Inside Diam.		Weight gr/mt	Bending Radius mm	Vacuum mt/H <sub>2</sub> O	Coil Length mt
	mm	inch				
EOLOPUP38	38	1.1/2"	310	130	3.0	30
EOLOPUP50	50	2"	540	175	3.0	30
EOLOPUP63	63	2.1/2"	670	230	3.0	30
EOLOPUP76	76	3"	780	270	2.5	30
EOLOPUP90	90	3.1/2"	1050	360	2.5	30
EOLOPUP100	100	4"	1250	400	2.5	30
EOLOPUP127	127	5"	1600	500	2.5	30
EOLOPUP150	150	6"	2000	600	2.0	20



## MERCURIO

## PVC LAYFLAT

Flat, flexible PVC hose with interlaced polyester reinforcement. Weather resistant, light and easy handling. Resistant to light abrasion and chemicals (for details refer to Technical Information section).

**Applications:** Irrigations, delivery of fertilizers, acids and chemical solutions.

**Temperature Range:** -10°C to +60°C (14°F to +140°F).

### LIGHT DUTY (YELLOW)

Product No.	Inside Diam. Mm	Inside Diam. Inch	Weight gr/mt	Working Pressure kg/cm2	Bursting Pressure kg/cm2	Roll Length metre
MERCURIOL040	40	1.1/2	230	5	15	50
MERCURIOL052	52	2"	290	5	15	50
MERCURIOL063	63	2.1/2"	365	4	12	50
MERCURIOL076	76	3.1/2"	450	4	12	50
MERCURIOL102	102	4"	650	4	12	50
MERCURIOL153	153	6"	1300	3	9	50

### MEDIUM DUTY (BLUE)

MERCURIOM020	20	3/4"	150	10	30	50
MERCURIOM025	25	1"	190	10	30	50
MERCURIOM032	32	1.1/4"	240	9	27	50
MERCURIOM040	40	1.1/2"	320	8	24	50
MERCURIOM052	52	2"	410	8	24	50
MERCURIOM063	63	2.1/2"	560	8	24	50
MERCURIOM076	76	3"	680	7	21	50
MERCURIOM102	102	4"	1000	7	21	50
MERCURIOM127	127	5"	1350	6	18	50
MERCURIOM153	153	6"	1600	4	12	50
MERCURIOM203	203	-	2300	2.5	8	50

### HEAVY DUTY (RED)

MERCURIOH052	52	2"	700	16	50	50
MERCURIOH063	63	2.1/2"	900	15	45	50
MERCURIOH076	76	3"	1070	12	38	50
MERCURIOH102	102	4"	1530	10	30	50
MERCURIOH153	153	6"	2560	6	19	50

## ARIANNA PU

## PRESSURE HOSE

Flexible polyurethane hose with polyester braid reinforcement. Very flexible hose even at low temperature. Extremely resistant to abrasion.

**Applications:** Compressed air, for pneumatic tools and spraylines.

**Temperature Range:** -40°C to +80°C (-40°F to +176°F)

**Colour:** BLUE.

Product No.	Inside Diam. Mm	Inside Diam. Inch	Weight gr/mt	Working Pressure kg/cm2	Bursting Pressure kg/cm2	Roll Length metre
ARIANNAPU06	6	10	60	20	70	100
ARIANNAPU08	8	12	80	20	70	100
ARIANNAPU11	11	16	130	20	70	100

## KAR INDUS PVC BULK MATERIAL

**Construction:** Black anti-static synthetic elastomer **Reinforcement:** Black shock resistant thermoplastic elastomer **Use:** Bulk material suction and low pressure delivery-gravity feed

**Safety factor:** 4:1 **Temperature:** -15°C to +50°C

Product No.	Inside Diam. mm	Inside Diam. Inch	Weight gr/mt	Bending Radius mm	Working Pressure Bar	Working Pressure Psi	Vacuum mt/H2O	Coil Length mt
KAR-038	38	1 1/2	0.57	80	2	30	10	20
KAR-050	51	2	0.86	120	2	30	10	20
KAR-063	63	2 1/2	1.09	200	2	30	10	20/30
KAR-076	76	3	1.39	240	1	15	10	20/30
KAR-102	102	4	2.56	320	1	15	10	20/30
KAR-127	127	5	3.32	480	1	15	10	20/30
KAR-152	152	6	4.89	720	1	15	10	20/30



# IPL PLASTIC HOSES



## PVC LAYFLAT

Please refer to the Conversion Table.

**EMAIL ENQUIRIES:** [admin@hishose.com.au](mailto:admin@hishose.com.au)

E & O.E 2007 REF: 63-1107



# IPL PLASTIC HOSES

## CHEMICAL RESISTANCE

### CHEMICAL RESISTANCE OF PVC HOSES

**\*Note:**

- + resistance
- +/- limited resistance
- not recommended

PRODUCTS	CONCENTRATION MAX %	TEMPERATURE @ 20°C	-TEMPERATURE @ 60°C
Vinegar		+	+/-
Acetone	100	-	-
Amyl acetate	100	-	-
Butyl acetate	100	-	-
Ethyl acetate	100	-	-
Vinyl acetate	100	-	-
Sulphuric acid for batteries		+	+
Acetic acid	10	+	+
Acetic acid	50	+	+/-
Benzoic acid	sat.	+	-
Boric acid	sat.	+	+
Butyric acid	sat.	+/-	-
Citric acid	sat.	+	+
Hydrochloric acid	10	+	+
Hydrochloric acid	25	+	+/-
Hydrochloric acid	32	+	-
Hydrochloric acid	37	+/-	-
Chlorosulphonic acid		-	-
Chromic acid	soluz. crom.	+/-	-
Formic acid	10	+	+/-
Formic acid	40	+	+/-
Formic acid	50	+/-	-
Formic acid	98	-	-
Phosphoric acid	30	+	+/-
Phosphoric acid	50	+	+/-
Phosphoric acid	85	+	+/-
Oleic acid	10	+	-
Oxalic acid	10	+	+
Oxalic acid	sat.	+	-
Nitric acid	10	+	+
Nitric acid	25	+	+/-
Nitric acid	50	+	-
Nitric acid	70	+/-	-
Salicylic acid	sat.	+	+
Hydrogen sulphide	sat.	+	-
Sulphuric acid	10	+	+
Sulphuric acid	25	+	+
Sulphuric acid	50	+	+/-
Sulphuric acid	70	+/-	-
Sulphuric acid	96	-	-
Tannic acid	30	+	-
Tartaric acid		+	+
Water	sat.	+	+
Demineralized water		+	+
Distilled water		+	+
Sea water		+	+
Chlorine water	conc.	+/-	-
Hydrogen peroxide	25 vol.	+	+
Turpentine		-	-
Amyl alcohol		+/-	-
Butyl alcohol		+/-	-
Ethyl alcohol	15	+	+
Ethyl alcohol	50	+	+/-
Ethyl alcohol	96	+/-	-
Methyl alcohol	10	+	+
Methyl alcohol	50	+/-	-
Methyl alcohol	100	-	-

## CHEMICAL RESISTANCE OF PVC HOSES

**\*Note:**

- + resistance
- +/- limited resistance
- not recommended

PRODUCTS	CONCENTRATION MAX %	TEMPERATURE @ 20°C	TEMPERATURE @ 60°C
Benzaldehyde	100	-	-
Formaldehyde	40	+	-
Alums	sat.	+	+
Aluminium chloride	sat.	+	+
Aluminium sulphate	sat.	+	+
Starch		+	
Ammonia in water	conc.	+	+/-
Ammonia gas		+	-
Ammonia liquid		+/-	-
Ammonium acetate	sat.	+	+
Ammonium bicarbonate	sat.	+	+
Ammonium carbonate	sat.	+	+
Ammonium chloride	sat.	+	+
Ammonium phosphate	sat.	+	+
Ammonium nitrate	sat.	+	+
Ammonium sulphate	sat.	+	+
Acetic anhydride		-	-
Sulphur dioxide, dry	secca	+	+
Sulphur dioxide, moist	umida	-	-
Amyl acetate		-	-
Aniline		-	-
Photographic developer		+	+
Barium (salts)		+	+
Petrol		MARTE	
Premium grade Petrol		MARTE	
Benzene		-	-
Asphalt		+/-	-
Bromine gas		-	-
Bromine liquid		-	-
Butane liquid		-	-
Butane gas		+	-
Calcium chlorate		+	+
Calcium chloride		+	+
Calcium hydroxide		+	+
Calcium hypochlorite		+	+
Calcium nitrate		+	+
Carbon dioxide	par.	+	+
Carbon Disulphide		-	-
Carbon monoxide	par.	+	+
Carbon tetrachloride		-	-
Tar		+/-	-
Floor wax		+	-
Kerosene		+/-	-
Cyclohexane		-	-
Cyclohexanol		-	-
Cyclohexanone		-	-
Chlorobenzene		-	-
Chloroform		-	-
Chlorine gas wet	10	+/-	-
Chlorine gas wet	100	-	-
Chlorine gas dry	10	+	+/-
Chlorine gas dry	100	+	+/-
Chlorine gas liquid		-	-
Cresol		-	-
Chrome salts	sat.	+	+
Naphtalene decahydro		-	-
Dextrine		+	+
Dextrose		+	+
Creansing agents, all	tutti	+	+
Dichloro benzene		-	-



IPL PLASTIC HOSES

CHEMICAL RESISTANCE



# IPL PLASTIC HOSES

## CHEMICAL RESISTANCE

### CHEMICAL RESISTANCE OF PVC HOSES

**\*Note:**

- + resistance
- +/- limited resistance
- not recommended

PRODUCTS	CONCENTRATION MAX %	TEMPERATURE @ 20°C	TEMPERATURE @ 60°C
Dimethylamine		-	-
Dimethyl formamide		-	-
Dioxane		-	-
Emulsifying agents		+	+
Paraffin emulsions		+	+/-
Heptane		+/-	-
Hexane		+/-	-
Ethyl ether		-	-
Ethyl chloride		-	-
Ethylene chloride		-	-
Phenol		-	-
Ferric chloride	sol. sat.	+	+
Ferric sulphate	sol. sat.	+	+
Ferrous sulphate	sol. sat.	+	+
Ferric salts		+	+
Diesel fuel		MARTE	
Glycerine	10	+	+
Glycerine	90	+	+/-
Glicols	10	+	+
Glicols	60	+	+/-
Glucose	sat.	+	+
Hydroquinone	sat.	+	-
Iso-octane		+/-	-
Iodine	sol.K2	-	-
Lanoline		+/-	-
Liqueurs		+	+/-
Magnesium bromide	sol. sat.	+	+
Magnesium chloride	sol. sat.	+	+
Magnesium carbonate	sol. sat.	+	+
Magnesium hydroxide		+	+
Magnesium sulphate		+	+
Magnesium salts		+	+
Manganese salts		+	+
Molasses		+/-	-
Mercury salts		+	+
Methyl acetate		-	-
Methylamine		-	-
Methylethyl ketone		-	-
Methylene chloride		-	-
Methyl chloride		-	-
Chromic mixture		-	-
Fuel oil		MARTE	
Naphtalene		-	-
Nickel salts		+	+
Nitrobenzene		-	-
Fuming sulphuric acid		-	-
Animal fats		-	-
Diesel oil		MARTE	
Linseed oil		MARTE AO	
Paraffin oil		MARTE AO	
Pine oil		MARTE AO	
Soybean oil		MARTE AO	
Transformer oil		MARTE AO	
Vegetal oils		MARTE AO	
SAE 20 oil		MARTE AO	
ASTM oil No. 1		MARTE AO	
ASTM oil No. 2		MARTE AO	
ASTM oil No. 3		MARTE AO	
Ozone		+	+

## PRESSURE CONVERSION TABLE

PSI	MPa	Kgf/cm <sup>2</sup>	BARS	ATMOSPHERES	PSI	MPa	Kgf/cm <sup>2</sup>	BARS	ATMOSPHERES	PSI	MPa	Kgf/cm <sup>2</sup>	BARS	ATMOSPHERES	PSI	MPa	Kgf/cm <sup>2</sup>	BARS	ATMOSPHERES
25	.17	1.76	1.72	1.70	2500	17.24	175.77	172.50	170.00	5200	35.85	365.60	353.80	353.60	7900	54.47	555.42	545.10	537.20
50	.34	3.52	3.45	3.40	2600	17.93	182.80	179.40	176.80	5300	36.54	372.63	365.70	360.40	8000	55.16	562.46	552.00	544.00
75	.52	5.27	5.18	5.10	2700	18.62	189.83	186.30	183.60	5400	37.23	379.66	372.60	367.20	8100	55.85	569.49	558.90	550.80
100	.69	7.03	6.90	6.80	2800	19.30	196.86	193.20	190.40	5500	37.92	386.69	379.50	374.00	8200	56.54	576.52	565.80	557.60
200	1.38	14.06	13.80	13.60	2900	19.99	203.89	200.10	197.20	5600	38.61	393.72	386.40	380.80	8300	57.23	583.55	572.70	564.40
300	2.07	21.09	20.70	20.40	3000	20.68	210.92	207.00	204.00	5700	39.30	400.75	393.30	387.60	8400	57.92	590.58	576.60	571.20
400	2.76	28.12	27.60	27.20	3100	21.37	217.95	213.90	210.80	5800	39.99	407.78	400.20	394.40	8500	58.61	597.61	586.50	578.00
500	3.45	35.15	34.50	34.00	3200	22.06	224.98	220.80	217.60	5900	40.68	414.81	407.10	401.20	8600	59.30	604.64	593.40	584.80
600	4.14	42.18	41.40	40.80	3300	22.75	232.01	227.70	224.40	6000	41.37	421.84	414.00	408.00	8700	59.99	611.67	600.30	591.60
700	4.83	49.21	48.30	47.60	3400	23.44	239.04	234.60	231.20	6100	42.06	428.87	420.90	414.80	8800	60.67	618.70	607.20	598.40
800	5.52	56.24	55.20	54.40	3500	24.13	246.07	241.5	238.00	6200	42.75	435.90	427.80	421.60	8900	61.36	625.73	614.10	605.20
900	5.20	63.28	62.10	61.20	3600	24.82	253.10	248.40	244.80	6300	43.44	442.93	434.70	428.40	9000	62.05	632.76	621.00	612.00
1000	6.90	70.31	69.00	68.00	3700	25.51	260.14	255.30	251.60	6400	44.13	449.96	441.60	435.20	9100	62.74	639.79	627.90	618.80
1100	7.58	77.34	75.90	74.80	3800	26.20	267.17	262.20	258.40	6500	44.82	457.00	448.50	442.00	9200	63.43	646.82	634.80	625.60
1200	8.27	84.37	82.80	81.60	3900	26.89	274.20	269.10	265.20	6600	45.51	464.03	455.40	448.80	9300	64.12	653.86	641.70	632.40
1300	8.96	91.40	89.70	88.40	4000	27.58	281.20	276.00	272.00	6700	46.20	471.06	462.30	455.60	9400	64.81	660.89	648.60	639.20
1400	9.65	98.43	96.60	95.20	4100	28.27	288.26	286.90	278.80	6800	46.88	478.09	469.20	462.40	9500	65.50	667.92	655.50	646.00
1500	10.34	105.46	103.50	102.00	4200	28.96	295.29	289.80	285.60	6900	47.57	485.12	476.10	469.20	9600	66.19	674.95	662.40	652.80
1600	11.03	112.49	110.40	108.80	4300	29.65	302.32	296.70	292.40	7000	48.26	492.15	483.00	476.00	9700	66.88	681.98	669.30	659.60
1700	11.72	119.52	117.30	115.60	4400	30.34	309.35	303.60	299.20	7100	48.95	499.18	489.90	482.80	9800	67.57	689.01	676.20	666.40
1800	12.41	126.55	124.20	122.40	4500	31.03	316.38	310.50	306.00	7200	49.64	506.21	496.80	489.60	9900	68.26	696.04	683.10	673.20
1900	13.10	133.58	131.10	129.20	4600	31.72	323.41	317.40	312.80	7300	50.33	513.24	503.70	496.40	10000	68.95	703.07	690.00	680.00
2000	13.79	140.61	138.00	136.00	4700	32.41	330.44	324.30	319.60	7400	51.02	520.27	510.60	503.20	11000	75.84	773.38	759.00	748.00
2100	14.48	147.64	144.90	142.80	4800	33.10	337.47	331.20	326.40	7500	51.71	527.50	517.50	510.00	12000	82.74	843.68	828.00	816.00
2200	15.17	154.68	151.80	149.60	4900	33.78	344.50	338.10	333.20	7600	52.40	534.33	524.40	516.80	13000	89.63	913.99	897.00	884.00
2300	15.86	161.71	158.70	156.40	5000	34.47	351.54	345.00	340.00	7700	53.09	541.36	531.30	523.60	14000	96.53	984.30	966.00	952.00
2400	16.55	168.74	165.60	163.20	5100	35.16	358.57	351.90	346.80	7800	53.78	548.39	538.20	530.40	15000	103.42	1054.60	1035.00	1020.00

## VACUUM CONVERSION TABLE

ATM	WATER			MERCURY		
	PSI	METER	FEET	MM	INCHES	%
0.1	1.4	1	3' 3-3/8"	73.6	2.9	10
0.2	2.8	2	6' 6-3/4"	147.1	5.8	20
0.3	4.2	3	9' 10-1/8"	220.7	8.7	30
0.4	5.7	4	13' 1-1/2"	294.2	11.6	40
0.5	7.1	5	16' 4-13/16"	369.8	14.5	50
0.6	8.5	6	19' 8-3/16"	441.3	17.4	60
0.7	10.0	7	22' 11-9/16"	514.9	20.3	70
0.8	11.4	8	26' 2-15/16"	588.4	23.2	80
0.9	12.8	9	29' 6-3/8"	662.0	26.0	90
1.0	14.2	10	32' 9-11/16"	735.5	29.0	100



IPL PLASTIC HOSES

PRESSURE & VAC  
CONVERSION







**H.I.S. HOSE**

Proprietary Limited



**ON-SITE INSTALLATION & SERVICE**

**1800 803 222**

**FLUID POWER SERVICE**