



EXPERTS IN TECHNICAL HOSES

ESPIROFLEX

MARINE INDUSTRY

**FOR INQUIRIES AND ORDERS THROUGH
OUR WEB PAGE**



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ISO 9001:2008 CERTIFICATES



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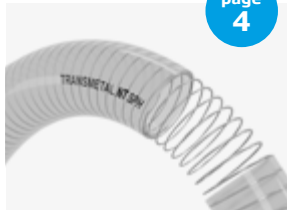


Recommendations for use

Water inlet hose

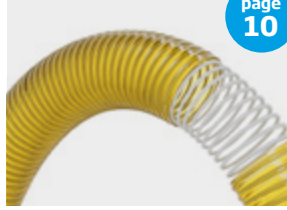
Raw water intake hoses ingest water from outside a boat to cool an engine, flush a toilet, cool an air conditioner or provide a fresh supply of water for fish in bait tanks. Use only hose recommended for “below waterline” connections. Depending on the application, raw water intake hose will have fabric, PVC or stainless steel spiral reinforcement that resists kinking and prevents the hose from collapsing when for example, an engine pulls a vacuum due to a clogged water intake screen. For engine raw water intake, we recommend **Transmetal**, reinforced with a metal wire spiral to prevent collapse.

For engine coolant circulation, **Metalpress Marine**, which is double reinforced with a metal wire spiral and polyester mesh can be a good choice—however care must be taken not to exceed the minimum bend radius and the temperature rating of the hose. For an overview of hose applications, see the hose application tables below.



Drain hoses

The drain hose for the cockpit, sink or shower must be flexible, with strong walls and resistant to kinks and abrasions. It is also a hose that is not under pressure so either **Hidrotubo** or **Transliquid** can be used.

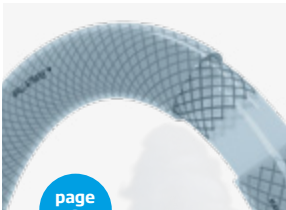


Recommendations for use

Fresh water supply hoses

Drinking water hoses must be made of **FDA**-approved food materials so that they do not affect the taste or odor of drinking water supplies. Pressurized freshwater systems must use reinforced hoses to withstand the pump pressure (approx. 2-4 bar).

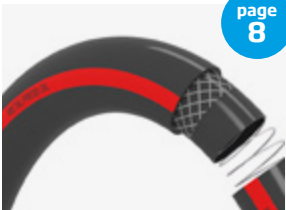
For filling and venting hoses in water tanks, heavy duty sanitation/water hoses for hot water up to 60°C should be used. Reinforced and/or braided PVC spiral hose can be used. Examples include: **Mallatrans PF** (100% phthalate-free clear PVC hose reinforced with polyester mesh), **FDA** approved; or **Transmetal PF** (100% phthalate-free transparent PVC hose reinforced with steel wire), also approved by the **FDA**.



Bilge pump hoses

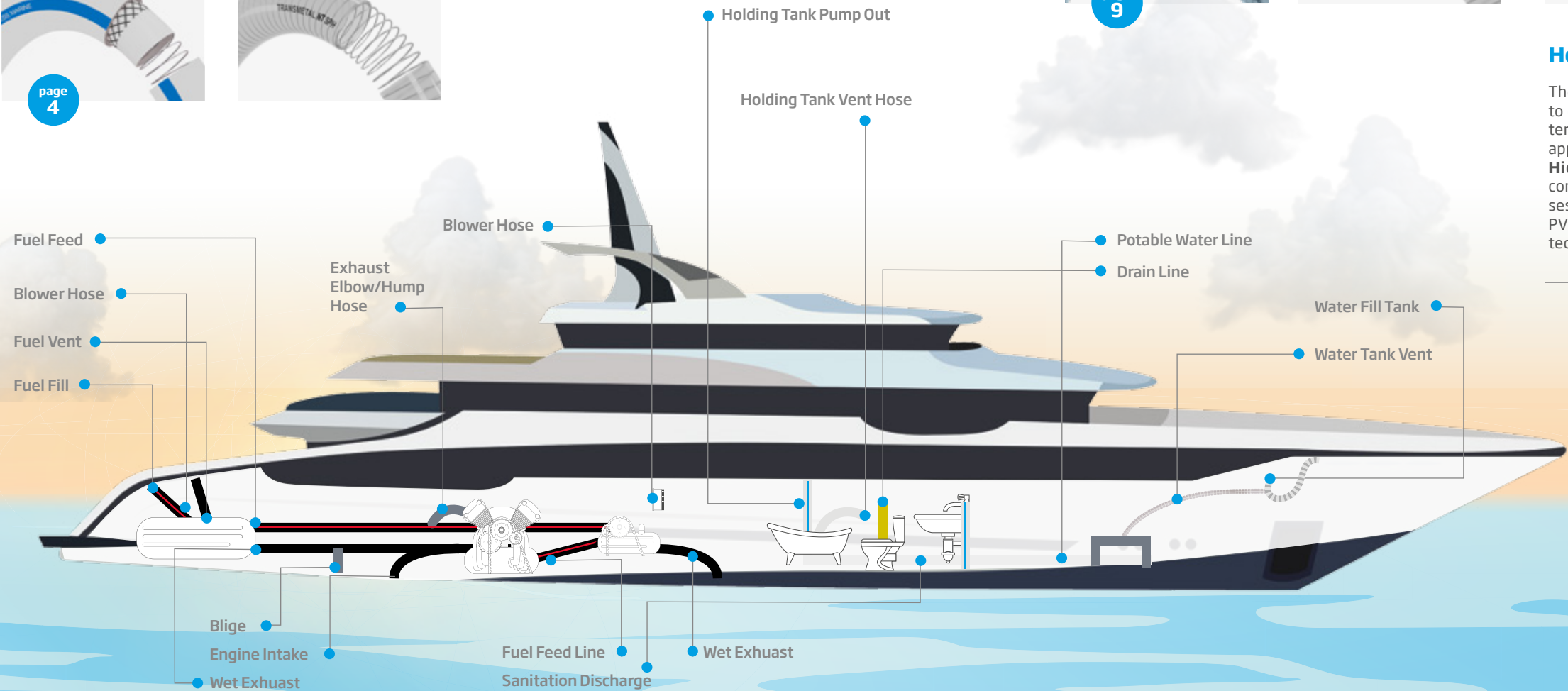
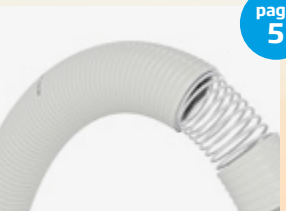
Bilge pump hoses require flexibility, special resistance to oils, hydrocarbons, solvents and other residues that accumulate in the bilge.

For better flow, you should choose a hose with smooth interior, abrasion-resistant inner layer and good anti-kink flexibility. Examples include: **Metalpress Oil** (flexible PVC hoses with wire spiral and polyester mesh reinforcement with smooth internal walls that have high resistance to hydrocarbons), **Espirofuel** (flexible PVC hoses with rigid PVC spiral and smooth internal walls that has great resistance to hydrocarbons) ideal for critical drainage and filling applications, as well as **Espiroair Oil** (lighter and more flexible hose with high resistance to oily fumes).



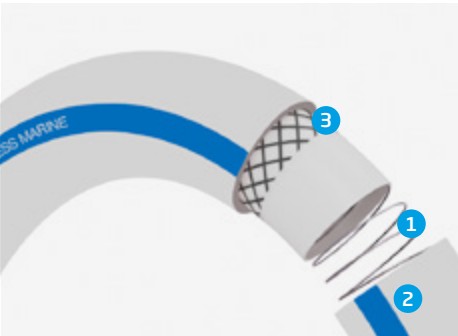
Hoses for sanitation systems

The sanitary hose must be reinforced, flexible and resistant to odors and toilet chemicals. Choose a hose with a smooth interior, thick walls, and labeled specifically for marine sanitary application. As a PVC sanitary hose, we recommend the use of **Hidrotubo Marine**. A totally odorless sanitary hose. We recommend only smooth inner wall hoses because corrugated hoses trap debris and restrict flow. Unlike rigid PVC hose, flexible PVC is easier to route within the installation and can be connected directly to pumps and thru-hulls.



Metalpress® Marine

PVC hose with double reinforcement, textile and metal spiral. Low permeability to odors for the suction and impulsion of liquids from the waste water discharge system in boats as well as the water inlet systems to provide the boat with raw water.



1. Internal reinforcement with galvanised steel spiral.
2. Flexible, PVC material, white. 3. Reinforced with polyester thread to grant it greater resistance to working pressures.

INDUSTRIAL USE

HIGH QUALITY CONTROL

AGRICULTURAL USE

NAUTICAL USE

WINE TRANSPORT

FREE FROM Cd / Pb / Ba

Features

- Good resistance to pressure and vacuum when suctioning.
- The hose wall is smooth, both inside and outside.
- Good chemical resistance associated with PVC's resistance chart.
- Recommended temperature for use between -25°C and 60°C.

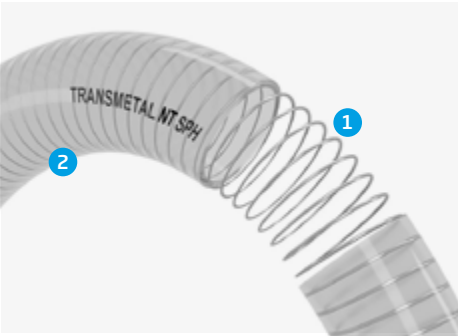
Applications

- Waste water discharge systems. Bilge pumps in boats. Suction of cesspit. Drainage of all types of wells.

INT Ø mm	INT Ø in	EXT Ø mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	VACUUM m H ₂ O
20	¾	28	475	16	48	60	9
25	1"	35	680	16	48	70	9
32	1 ¼	42	800	16	48	80	9
35	1 ⅜	47	1100	14	42	115	9
38	1 ½	51	1200	14	42	125	9
40	1 ⅝	53	1220	14	42	130	9
45	1 ¾	58	1400	12	36	140	9
51	2"	64	1600	12	36	150	9
60	2 ¼	74	2000	12	36	180	9
63	2 ½	77	2100	12	36	190	9
76	3"	92	2900	12	36	210	9
90	3 ½	107	3500	10	30	250	9
102	4"	119	4000	10	30	300	9

Transmetal® NT Phthalates Free

Phthalate-free hose for transferring air, plastic chippings, alcoholic liquids (50% vol.), liquid foods and for vacuum pumps. Reinforced with a galvanised steel spiral, which grants it vacuum resistance.



1. Internal reinforcement with galvanised steel spiral.
2. Flexible, transparent, phthalate-free PVC material for food use.

INDUSTRIAL USE

FOOD USE

AGRICULTURAL USE

NAUTICAL USE

HIGH QUALITY CONTROL

FREE FROM Cd / Pb / Ba

PHthalate-FREE

WINE TRANSPORT

Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011.
- Highly flexible.
- Good resistance to pressure and vacuum when suctioning.
- The hose wall is smooth, both inside and outside.
- Good chemical resistance associated with PVC's resistance chart.

- Recommended temperature for use between -10°C and 60°C.

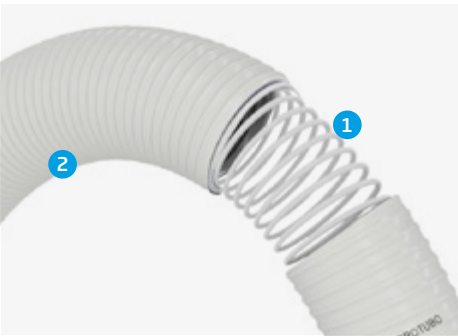
Applications

- Transfer of liquid food products that require food simulants A, B, C and D1 in OM2 conditions in accordance with Regulation EU 10/2011, such as wine, must, beer, vinegar and alcoholic liquids up to 50% vol. and milk products.

INT Ø mm	INT Ø in	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	VACUUM m H ₂ O
20	¾	3.50	365	7	21	35	9
25	1"	4.00	470	6	18	44	9
30	1 ⅛	4.00	540	6	18	55	9
32	1 ¼	4.00	640	6	18	60	9
35	1 ⅜	4.00	665	6	18	65	9
38	1 ½	4.00	735	6	18	70	9
40	1 ⅝	4.40	835	5	15	75	9
45	1 ¾	4.40	990	5	15	75	9
51	2"	4.60	1110	5	15	90	9
60	2 ¼	4.60	1290	4	12	110	9
63	2 ½	4.60	1375	4	12	115	9
76	3"	5.60	2000	3	9	130	9
80	3 ⅛	5.60	2125	3	9	140	9
90	3 ½	5.60	2365	3	9	160	9
102	4"	6.00	2930	3	8	180	9
102	4"	6.0	3015	3	8	185	9
110	4 ⅝	6.0	3150	3	8	195	9
120	4 ¾	7.0	4020	2	6	215	9
127	5"	7.0	4180	2	6	220	9
152	6"	7.5	5410	2	5	270	9

Transmetal® Marine

PVC hose with zinc-plated steel spiral reinforcement. Low permeability to odors for suction and discharge of liquids from the sewage discharge system in boats.



1. Internal reinforcement with galvanised steel spiral.
2. Flexible, transparent, phthalate-free PVC material for food use.

INDUSTRIAL USE

FOOD USE

AGRICULTURAL USE

NAUTICAL USE

HIGH QUALITY CONTROL

FREE FROM Cd / Pb / Ba

PHthalate-FREE

WINE TRANSPORT

Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011.
- The odorless character of the hose thanks to its specific formulation.
- Good resistance to pressure and vacuum when suctioning.
- Good chemical resistance associated with PVC's resistance chart.
- The hose wall is smooth, both inside and outside.
- Recommended temperature for use between -10°C and 60°C.

Applications

- Transfer of liquid food products that require food simulants A, B, C and D1 in OM2 conditions in accordance with Regulation EU 10/2011, such as wine, must, beer, vinegar and alcoholic liquids up to 50% vol. and milk products.
- The odorless character of the hose thanks to its specific formulation.

INT Ø mm	INT Ø in	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	VACUUM m H ₂ O
20	¾	3.50	365	7	21	35	9
25	1"	4.00	470	6	18	44	9
30	1 ⅛	4.00	540	6	18	55	9
32	1 ¼	4.00	640	6	18	60	9
35	1 ⅜	4.00	665	6	18	65	9
38	1 ½	4.00	735	6	18	70	9
40	1 ⅝	4.40	835	5	15	75	9
45	1 ¾	4.40	990	5	15	75	9
51	2"	4.60	1110	5	15	90	9
60	2 ¼	4.60	1290	4	12	110	9
63	2 ½	4.60	1375	4	12	115	9
76	3"	5.60	2000	3	9	130	9
80	3 ⅛	5.60	2125	3	9	140	9
90	3 ½	5.60	2365	3	9	160	9
102	4"	6.00	2930	3	8	180	9
102	4"	6.0	3015	3	8	185	9
110	4 ⅝	6.0	3150	3	8	195	9
120	4 ¾	7.0	4020	2	6	215	9
127	5"	7.0	4180	2	6	220	9
152	6"	7.5	5410	2	5	270	9



In possession of phthalate-free, migration and FDA regulation compliance certificates.



Hidrotubo® Marine

Flexible PVC hose with rigid PVC spiral reinforcement. High chemical resistance, due to the use of PVC with a formulation that is especially resistant to the passage of wastewater or water with the presence of chlorine.



1. Internal reinforcement with galvanised steel spiral.
2. Flexible, transparent, phthalate-free PVC material for food use.

INDUSTRIAL USE

FOOD USE

AGRICULTURAL USE

NAUTICAL USE

HIGH QUALITY CONTROL

FREE FROM Cd / Pb / Ba

PTHALATE-FREE

WINE TRANSPORT

Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011.
- The odorless character of the hose thanks to its specific formulation.
- Good resistance to pressure and vacuum when suctioning.
- Good chemical resistance associated with PVC's resistance chart.
- The hose wall is smooth, both inside and outside.
- Recommended temperature for use between -10°C and 60°C.

Applications

- Transfer of liquid food products that require food simulants A, B, C and D1 in OM2 conditions in accordance with Regulation EU 10/2011, such as wine, must, beer, vinegar and alcoholic liquids up to 50% vol. and milk products.
- The odorless character of the hose thanks to its specific formulation.

INT Ø mm	INT Ø in	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	VACUUM m H ₂ O
20	¾"	3.50	365	7	21	35	9
25	1"	4.00	470	6	18	44	9
30	1" 1/8	4.00	540	6	18	55	9
32	1" 1/4	4.00	640	6	18	60	9
35	1" 3/8	4.00	665	6	18	65	9
38	1" 1/2	4.00	735	6	18	70	9
40	1" 5/8	4.40	835	5	15	75	9
45	1" 3/4	4.40	990	5	15	75	9
51	2"	4.60	1110	5	15	90	9
60	2" 1/32	4.60	1290	4	12	110	9
63	2" 1/2	4.60	1375	4	12	115	9
76	3"	5.60	2000	3	9	130	9
80	3" 1/8	5.60	2125	3	9	140	9
90	3" 1/2	5.60	2365	3	9	160	9
102	4"	6.00	2930	3	8	180	9
102	4"	6.0	3015	3	8	185	9
110	4" 5/16	6.0	3150	3	8	195	9
120	4" 3/4	7.0	4020	2	6	215	9
127	5"	7.0	4180	2	6	220	9
152	6"	7,5	5410	2	5	270	9

Espiroair® UL94 V0

Flexible PVC pipe reinforced with anti-shock rigid PVC spiral indicated for aspirations, gas pipes and industrial ventilation. Fire resistant according to Quality Standard UL94 category V0.



1. Internal, rigid, anti-shock PVC spiral reinforcement. 2. Plasticised PVC.

INDUSTRIAL USE

VENTILATION

SUCTION

METAL SPIRAL

HIGH QUALITY CONTROL

FREE FROM Cd / Pb / Ba

Features

- Tube made from flexible PVC with rigid spiral, practically non deformable and anti-choke.
- The inner surface is smooth while the exterior one is corrugated.
- Great flexibility (bending radius equal to interior diameter) and lightness..
- Resistant to impacts, atmospheric agents, to smoke and to a wide range of chemical products.

Applications

- Aspiration and impulsion of fumes, shavings, seeds textile fibres, etc, where protection from fire is necessary. Industrial suction and ventilation.

INT Ø mm	INT Ø in	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
32	1" 1/4	205	32	5
51	2"	430	50	4
60	2" 1/4	500	60	4
70	2" 3/4	580	70	4
80	3" 1/8	750	80	4
102	4"	970	100	4
110	4" 5/16	1100	110	4
120	4" 3/4	1200	120	4
140	5" 1/2	1450	140	4
152	6"	1600	150	4
203	8"	2400	200	4
250	10"	3000	250	4
300	12"	3600	300	4

Espiroair® Oil

Flexible PVC hose specially designed for aspiration of oily fumes, reinforced with a rigid, anti-shock PVC spiral, designed for suction, gas supply and industrial ventilation.



1. Internal, rigid, anti-shock PVC spiral reinforcement. 2. Plasticised PVC.

INDUSTRIAL USE

VENTILATION

SUCTION

METAL SPIRAL

HIGH QUALITY CONTROL

FREE FROM Cd / Pb / Ba

Features

- Tube made from flexible PVC with rigid spiral, practically non deformable and anti-choke.
- The inner surface is smooth while the exterior one is corrugated.
- Great flexibility (bending radius equal to interior diameter) and lightness.
- Temperature range between -15°C and 65°C.
- Resistant to fire, according to the Quality Norm UL94, V0 category.

Applications

- Aspiration and impulsion of fumes, shavings, seeds, textile fibres, etc, where protection from fire is necessary. Industrial suction and ventilation. Smoke extraction with oily property.

INT Ø mm	INT Ø in	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
25	1"	170	25	6
35	1" 3/8	240	35	5
60	2" 1/4	540	60	4
80	3" 1/8	780	80	4
102	4"	980	100	4
127	5"	1270	127	4
152	6"	1700	150	4
203	8"	2400	200	4

Espirofuel

Hose with special stability when dealing with hydrocarbons, gasoline and fuel, which makes it perfect for pumping and suctioning petroleum products and industrial oils.



1. Internal, rigid, anti-shock PVC spiral reinforcement that affords it great consistency. 2. PVC material with special formulation for industrial oils and hydrocarbons.

INDUSTRIAL USE

AGRICULTURAL USE

RESISTANT TO HYDROCARBONS

HIGH QUALITY CONTROL

FREE FROM Cd / Pb / Ba

Features

- For industrial use.
- Special formulation for industrial oils and hydrocarbons, diesel, gasoline, etc.
- The hose wall is smooth on the inside and corrugated on the outside.
- Good chemical resistance associated with PVC's resistance chart.
- Recommended temperature for use between -25°C and 70°C.

Applications

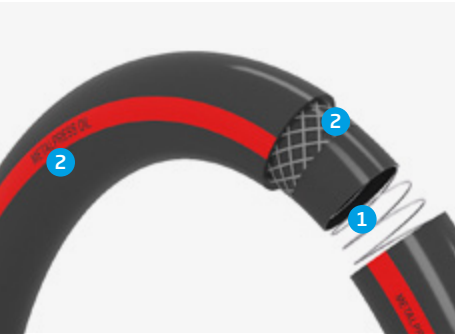
- Suction and transfer of hydrocarbons and industrial oils.

INT Ø mm	INT Ø in	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	VACUUM m H ₂ O
19	¾"	4,3	412	8	24	140	9
25	1"	4,3	550	7	21	160	9
30	1" 1/8	4,5	680	5	15	192	9
35	1" 3/8	4,5	750	5	15	224	9
40	1" 5/8	4,5	850	5	15	256	9
45	1" 3/4	5,5	1000	5	15	288	9
51	2"	5,5	1200	5	15	320	9
55	2" 1/8	5,5	1400	5	15	350	9
60	2" 1/4	6	1600	5	15	384	9
63	2" 1/2	6	1700	5	15	403	9
70	2" 3/4	6,3	1900	5	15	448	9
76	3"	6,5	2000	5	15	480	9
80	3" 1/8	6,7	2200	4	12	512	9
90	3" 1/2	7	2600	4	12	576	9
102	4"	7	3300	4	12	640	9
110	4" 5/16	7	3610	4	12	700	9



Metalpress® Oil

Phthalate-free PVC hose with double reinforcement - textile and metal spiral - for suction and transfer of industrial oils and fuels.



Features

- For industrial use.
- Special formulation for industrial oils and hydrocarbons, diesel, gasoline, etc.
- The hose wall is smooth on the inside and corrugated on the outside.
- Good chemical resistance associated with PVC's resistance chart.
- Recommended temperature for use between -25°C and 70°C.
- Good resistance to pressure and vacuum when suctioning.

Applications

- Suction and transfer of hydrocarbons and industrial oils.

1. Internal reinforcement with galvanised steel spiral.. 2. Reinforced with polyester thread to grant it greater resistance to working pressures. 3. Special formulation of flexible PVC that is highly resistant to industrial oils and hydrocarbons.

INDUSTRIAL USE

AGRICULTURAL USE

NAUTICAL USE

RESISTANT TO HYDROCARBONS

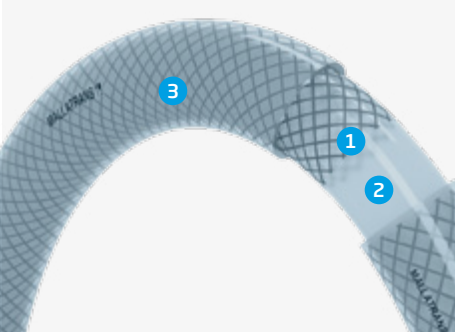
HIGH QUALITY CONTROL

FREE FROM Cd / Pb / Ba

INT Ø mm	INT Ø in	EXT Ø mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	VACUUM m H2O
20	3/4	28	475	16	48	60	9
25	1"	35	680	16	48	70	9
32	1" 1/4	42	800	16	48	80	9
35	1" 3/8	47	1100	14	42	115	9
38	1" 1/2	51	1200	14	42	125	9
40	1" 5/8	53	1220	14	42	130	9
45	1" 3/4	58	1400	12	36	140	9
51	2"	64	1600	12	36	150	9
60	2" 1/4	74	2000	12	36	180	9
63	1" 1/2	77	2100	12	36	190	9
76	3"	92	2900	12	36	210	9
90	3" 1/2	107	3500	10	30	250	9
102	4"	119	4000	10	30	300	9

Mallatrans PF

Multi-layer, transparent, plasticised PVC hose, reinforced by a polyester mesh. Especially designed for the transfer of liquid food products.



Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011.
- Highly flexible and easy to handle.
- Good chemical resistance associated with PVC's resistance chart.
- Highly flexible, high-quality hose internally reinforced by a polyester mesh that can withstand considerable working pressures, affording it resistance to breakage when extended.
- Recommended temperature for use between -10°C and 60°C.

Applications

- Transfer of liquid food products that require food simulants A, B, C and D1 in OM2 conditions in accordance with Regulation EU 10/2011, such as wine, must, beer, vinegar and alcoholic liquids up to 20%. Food product processing industry.
- Compressed air industrial facilities.

1. Middle layer reinforced with high-quality polyester thread mesh that can withstand high pressures, affording it great resistance. 2. Internal layer of transparent PVC for food use. 3. Outer layer of transparent PVC for food use.

FOOD USE

INDUSTRIAL USE

EASY TO USE

LIGHT

HIGH QUALITY CONTROL

FREE FROM Cd / Pb / Ba

INT Ø mm	INT Ø in	EXT Ø mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm
6	1/4"	11	83	15	45	15
8	5/16"	11	55	15	45	20
10	3/8"	14	93	15	45	30
12	1/2"	15	80	15	45	35
15	5/8"	22	260	15	45	45
19	5/8"	25	260	10	30	75
20	3/4"	26	275	10	30	80
25	1"	31	330	10	30	110
30	1" 1/4	40	680	7	21	160
40	1" 5/8	52	1075	6	18	250
51	2"	60	1075	5	15	290

Espirocristal gasolina

Flexible, monolayer hose made using transparent, plasticised PVC with improved resistance to hydrocarbons.



Features

- For industrial use.
- Great flexibility and highly resistant to breakage caused by extension.
- Especially designed for the transfer of fuels and their by-products.
- Good chemical resistance associated with PVC's resistance chart.
- Recommended temperature for use between -10°C and 60°C.

Applications

- Low pressure gasoline lines.

1. A flexible hose in clear green PVC.

RESISTANT TO HYDROCARBONS

FOOD USE

INDUSTRIAL USE

CONSTRUCTION

LIGHT

HIGH QUALITY CONTROL

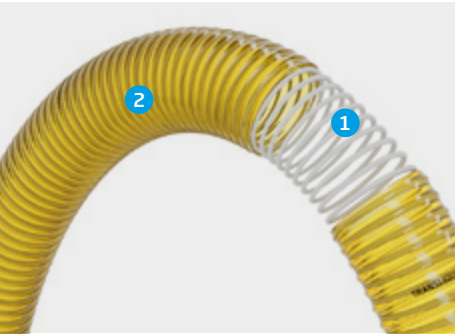
FREE FROM Cd / Pb / Ba

INT Ø mm	INT Ø in	EXT Ø mm	WEIGHT g/m	BENDING RADIUS mm
4	11/64"	8	46	16
5	13/64"	9	54	18
6	1/4"	10	64	20
7	9/32"	12	92	25
8	5/16"	12	78	25



Transliquid®

Suction and impulsion pumping hose of food liquids.



Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- The hose wall is smooth on the inside and corrugated on the outside.
- Good chemical resistance associated with PVC's resistance chart.
- Recommended temperature for use between -10°C and 60°C.

Applications

- Transport of fluids in industrial facilities. Pumping and suction in agricultural machinery and irrigation. Transfer of liquid food products that require food simulants A, B and C in OM2 conditions in accordance with Regulation EU 10/201.
- Installation in bilge pumps and similar uses for the suction of liquids in general.

1. Internal, rigid, anti-shock PVC spiral reinforcement that affords it great consistency.
2. Flexible, translucent PVC material for food use.

INDUSTRIAL USE

AGRICULTURAL USE

NAUTICAL USE

FREE FROM Cd / Pb / Ba

HIGH QUALITY CONTROL

PHTHALATE-FREE

WINE TRANSPORT

INT Ø mm	INT Ø in	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	VACUUM m H2O
15	5/8"	3	180	7	21	60	9
20	3/4"	3,3	285	7	21	80	9
25	1"	3,5	360	7	21	100	9
32	1" 1/4	3,5	435	5	15	128	9
35	1" 3/8	3,5	495	5	15	140	9
38	1" 1/2	3,8	520	5	15	152	9
40	1" 5/8	4	540	5	15	160	9
45	1" 3/4	4	630	5	15	180	9
51	2"	4	765	5	15	200	9
55	2" 1/8	4	810	5	15	220	9
60	2" 1/32	4,5	900	4	12	240	9
63	2" 1/2	4,5	990	4	12	260	9
70	2" 3/4	4,5	1125	4	12	280	9
76	3"	4,5	1260	4	12	300	9
80	3" 1/8	5	1440	4	12	320	9
90	3" 1/2	5	1665	3	9	360	9
102	4"	5,5	1980	3	9	400	9
110	4" 5/16	6	2250	3	9	440	9
120	4" 3/4	6,5	2500	3	9	480	9
127	5"	6,5	2700	3	9	500	9
140	5" 1/2	7	3600	3	9	560	9
152	6"	7	3870	3	9	600	9
203	8"	8,5	6270	2,5	7,5	800	9

Thermoflex®

Hose made of glass fibre fabric, covered in plasticised PVC, with special resistance to traction and tears. Designed specifically for ventilation and the suction of smoke, vapours and dust. Resistant to high temperatures and self-extinguishing.



1. Reinforcing galvanised steel spiral fitted between two layers. 2. Glass fibre fabric hose covered in PVC.

INDUSTRIAL USE

VENTILATION

SUCTION

METAL SPIRAL

Features

- For industrial use. Resistant to smoke and gases. Good chemical resistance associated with PVC's usual properties. Full flexibility and extremely light.
- Withstands temperatures between -10°C and 130°C.

Applications

- Air conditioning facilities (civil and naval), ventilation, suction of smoke, vapours, dust, gas, etc.

INT Ø mm	INT Ø in	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H2O
40	1" 5/8	110	20	2.5
51	2"	120	25	2.0
60	2" 1/4	140	30	1.9
63	2" 1/2	160	30	1.8
70	2" 3/4	175	35	1.8
76	3"	190	40	1.8
80	3" 1/8	195	40	1.7
90	3" 1/2	220	45	1.5
102	4"	228	50	1.3
110	4" 5/16	250	55	1.2
120	4" 3/4	295	60	1.1
127	5"	315	63	1.0
130	5" 1/4	325	65	0.95
140	5" 1/2	350	70	0.90
152	6"	370	75	0.85
160	6" 1/4	440	80	0.80
180	7"	480	90	0.75
203	8"	550	100	0.70
228	9"	580	115	0.65
254	10"	690	125	0.60
280	11"	880	140	0.50
305	12"	900	150	0.5
356	14"	1100	175	0.40
406	16"	1280	200	0.30
450	18"	1315	225	0.30
500	20"	1500	250	0.30
550	22"	1610	275	0.20
600	24"	1750	320	0.2

Espirnautic®

Multi-layer, flexible, plasticised PVC hose, reinforced with a polyester mesh. Specifically designed for boats and food use. Excellent flexibility, ease of use, resistance to breakage when extended, and anti-folding.



1. Internal layer in blue for food use. 2. Middle layer: reinforced by polyester thread mesh. 3. Outer layer in white PVC.

FOOD USE

MARITIME USE

EASY TO USE

UV PROTECTION

HIGH QUALITY CONTROL

FREE FROM CD / PB / BA

Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011.
- UV protection.
- Good chemical resistance associated with PVC's resistance chart..
- Withstands temperatures between -10°C and 60°C.

Applications

- Cleaning sports boats.
- Transfer of liquid food products that require food simulants A, B and C in OM2 conditions in accordance with Regulation EU 10/2011.

INT Ø mm	INT Ø in	EXT Ø mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST pressure bar	ROLL LENGTH m
15	5/8"	21	210	10	30	25-50
19	3/4"	26	300	10	30	25-50
25	1"	33	465	8	24	25-50

