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Liquids

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Liquids



Depending on technical developments, specifications may be modified without advance notice being given.
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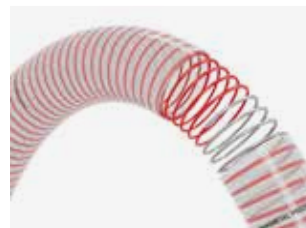
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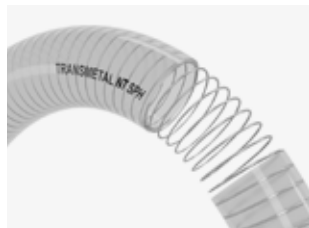
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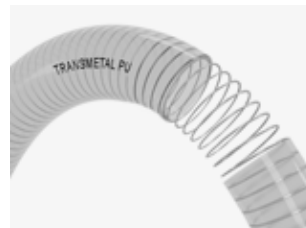
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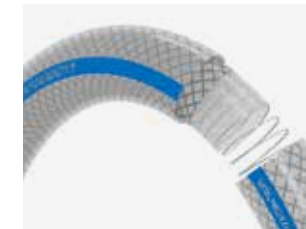
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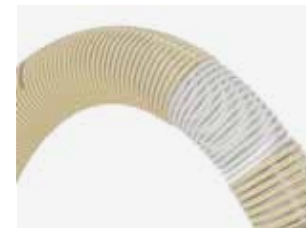
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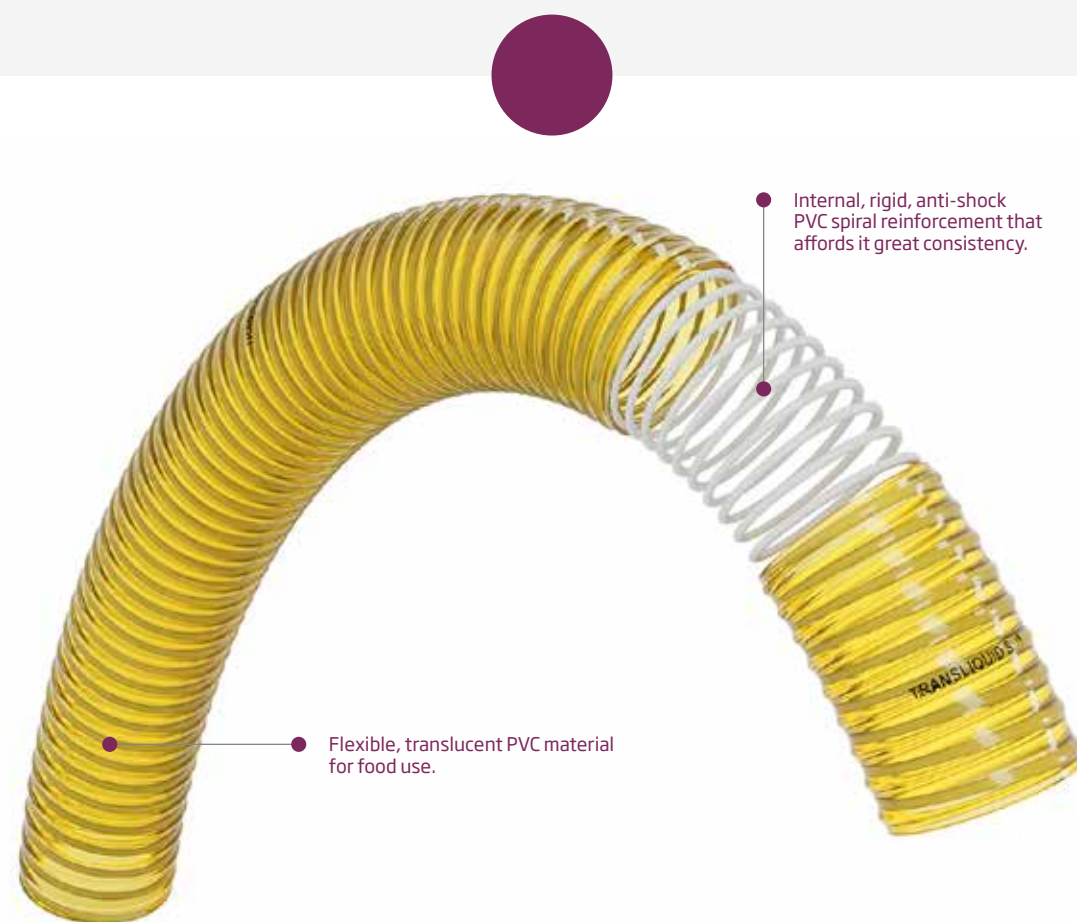


Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features.

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Consult us for other diameters, colours and features.

Transliquid®

Suction and impulsion pumping hose
of food liquids.



Internal, rigid, anti-shock
PVC spiral reinforcement that
affords it great consistency.

Flexible, translucent PVC material
for food use.

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.



FOOD
USE



INDUSTRIAL
USE



AGRICULTURAL
USE



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba

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 10/2011.
- ▶ Installation in bilge pumps and similar uses for the suction of liquids in general.

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	COLOURS AVAILABLE
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	

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

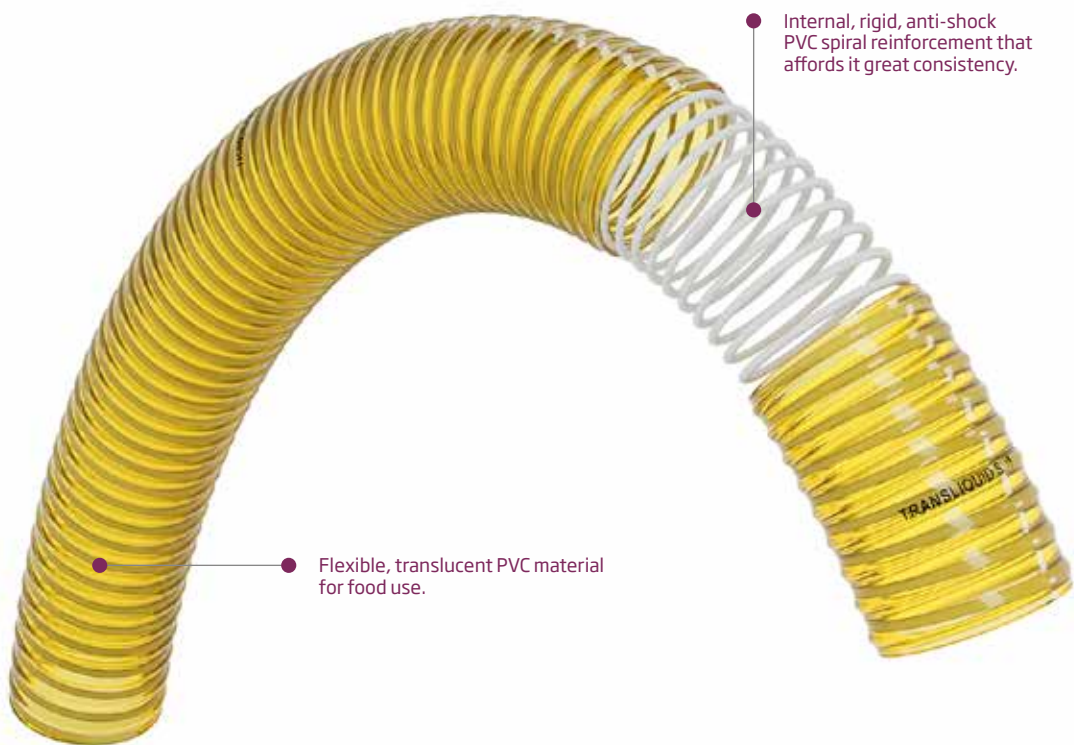


Transliquid® S

Light hose for pumping by suction and impulsion of food liquids.

Applications

- ▶ Transfer of liquid food products that require food simulants A, B and C in OM2 conditions in accordance with Regulation EU 10/2011.
- ▶ Pumping and suction in agricultural and industrial irrigation.



Internal, rigid, anti-shock PVC spiral reinforcement that affords it great consistency.

Flexible, translucent PVC material for food use.

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.



FOOD USE



INDUSTRIAL USE



AGRICULTURAL USE



HIGH QUALITY CONTROL



FREE FROM Cd / Pb / Ba

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	COLOURS AVAILABLE
15	5/8"	3	140	5	15	45	9	 
20	3/4"	3	220	5	15	60	9	
25	1"	3	280	5	15	75	9	
30	1" 1/8	3	315	5	15	90	9	
32	1" 1/4	3	335	5	15	96	9	
35	1" 3/8	3.2	410	5	15	105	9	
38	1" 1/2	3.2	440	5	15	120	9	
40	1" 5/8	3.2	470	4	12	120	9	
45	1" 3/4	3.5	570	4	12	135	9	
51	2"	3.5	680	4	12	150	9	
55	2" 1/8	3.8	730	4	12	165	9	
60	2" 1/32	3.8	810	3	9	180	9	
63	2" 1/2	3.8	875	3	9	195	9	
70	2" 3/4	3.8	940	3	9	210	9	

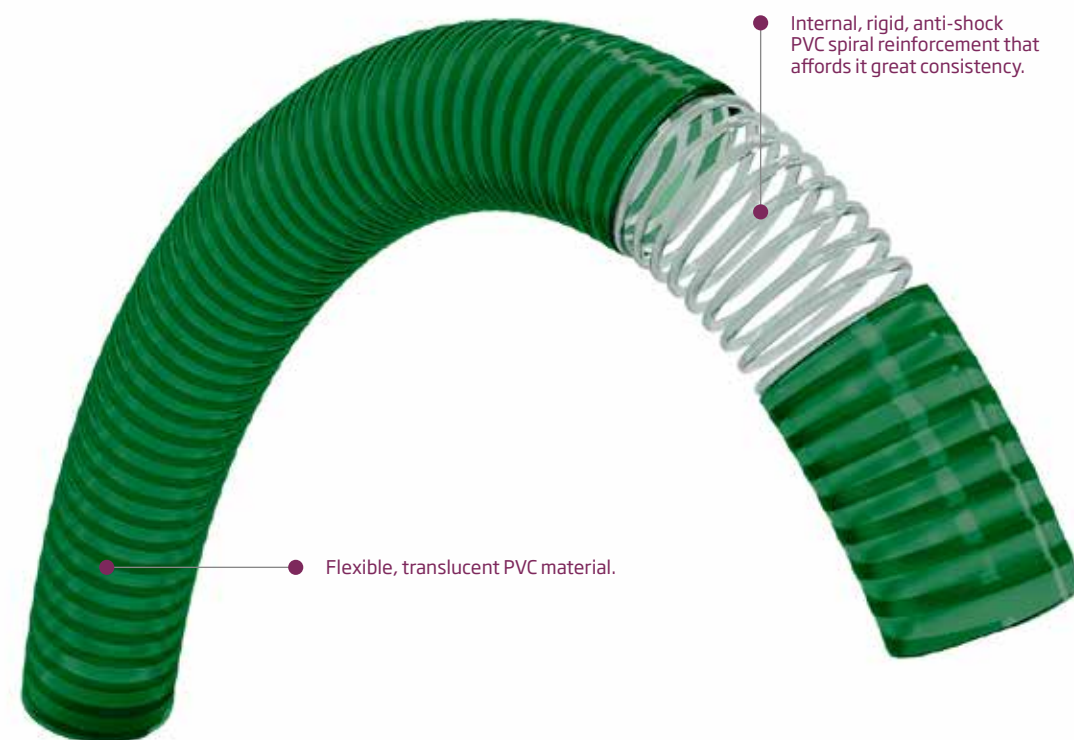
Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

Transliquid® Superelastic

Hose for pumping by suction and impulsion of liquids, especially indicated for low temperatures.

Applications

- ▶ Hose for pumping and suction of liquids. Specially designed for low temperatures.
- ▶ Slurry pumping and suction hose. Special hose design for maximum flexibility.



Features

- For agricultural and industrial use.
- 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.



INDUSTRIAL
USE



AGRICULTURAL
USE



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba

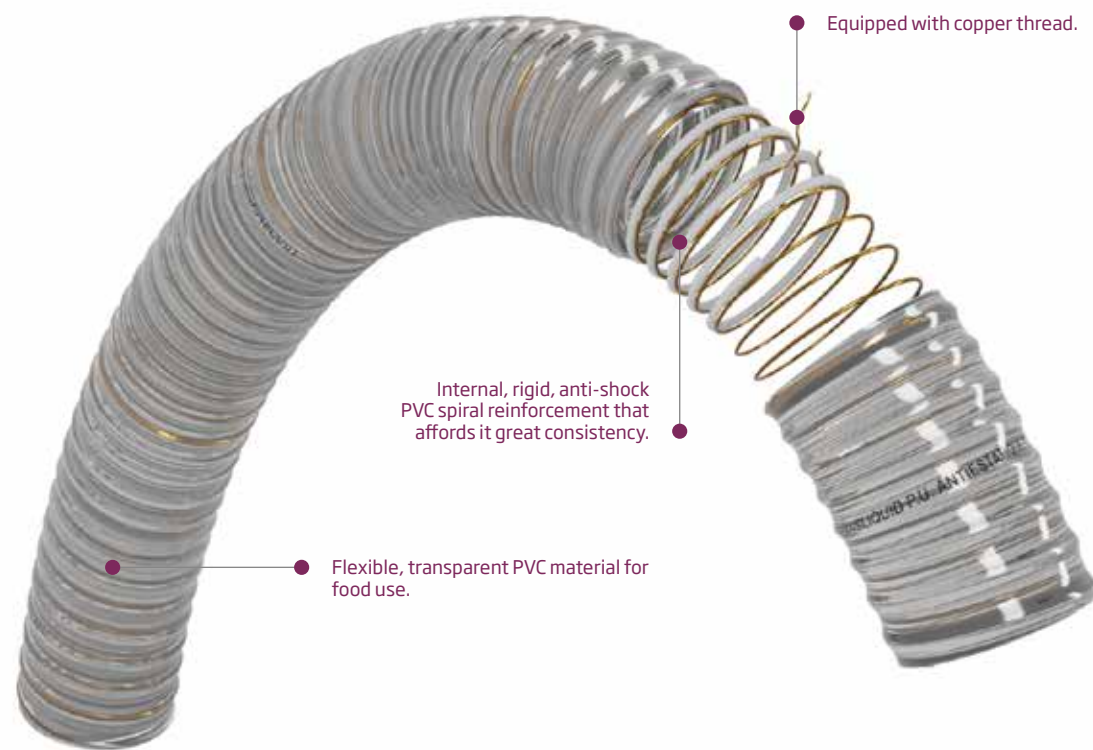
INT Ø mm	INT Ø in	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	VACUUM m H ₂ O
19	¾"	3.0	210	6	18	40	9
25	1"	3.0	330	6	18	45	9
32	1 ¼"	3.0	410	5	15	50	9
38	1 ½"	3.1	505	4	12	60	9
40	1 ⅝"	3.2	535	4	12	60	9
45	1 ¾"	3.5	680	4	12	80	9
51	2"	3.5	750	4	12	100	9
60	2 ⅛"	3.5	875	4	12	120	9
76	3"	4.0	1200	4	12	160	9

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.



Transliquid® Antiestático

PVC hose for pumping and suction of liquid food products. Antistatic product suitable for facilities governed by ATEX regulations.



Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- Equipped with a copper wire that makes it antistatic.
- 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.



FOOD
USE



INDUSTRIAL
USE



AGRICULTURAL
USE



ANTISTATIC



FREE FROM
Cd / Pb / Ba



HIGH QUALITY
CONTROL

Applications

- ▶ Transfer of liquid food products that require food simulants A, B and C in OM2 conditions in accordance with Regulation EU 10/2011.
- ▶ Pumping and suction in agricultural and industrial irrigation when the facility needs to have antistatic properties.

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	3/4"	3.3	285	7	21	80	9
25	1"	3.5	360	7	21	100	9
30	1" 1/8	3.5	405	5	15	120	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

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

Transliquid® PU

Polyurethane hose with a PVC spiral for pumping and suction of highly abrasive liquids (rebar, mud, sand, etc.).

Applications

► Pumping and suction of highly abrasive liquids (rebar, mud, sand, seeds, etc.).



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 PU's resistance chart and very good resistance to hydrolysis.
- Recommended temperature for use between -20°C and 80°C.



FOOD
USE



INDUSTRIAL
USE



AGRICULTURAL
USE



MADE FROM POLY-
URETHANE



ANTI-ABRASION



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba

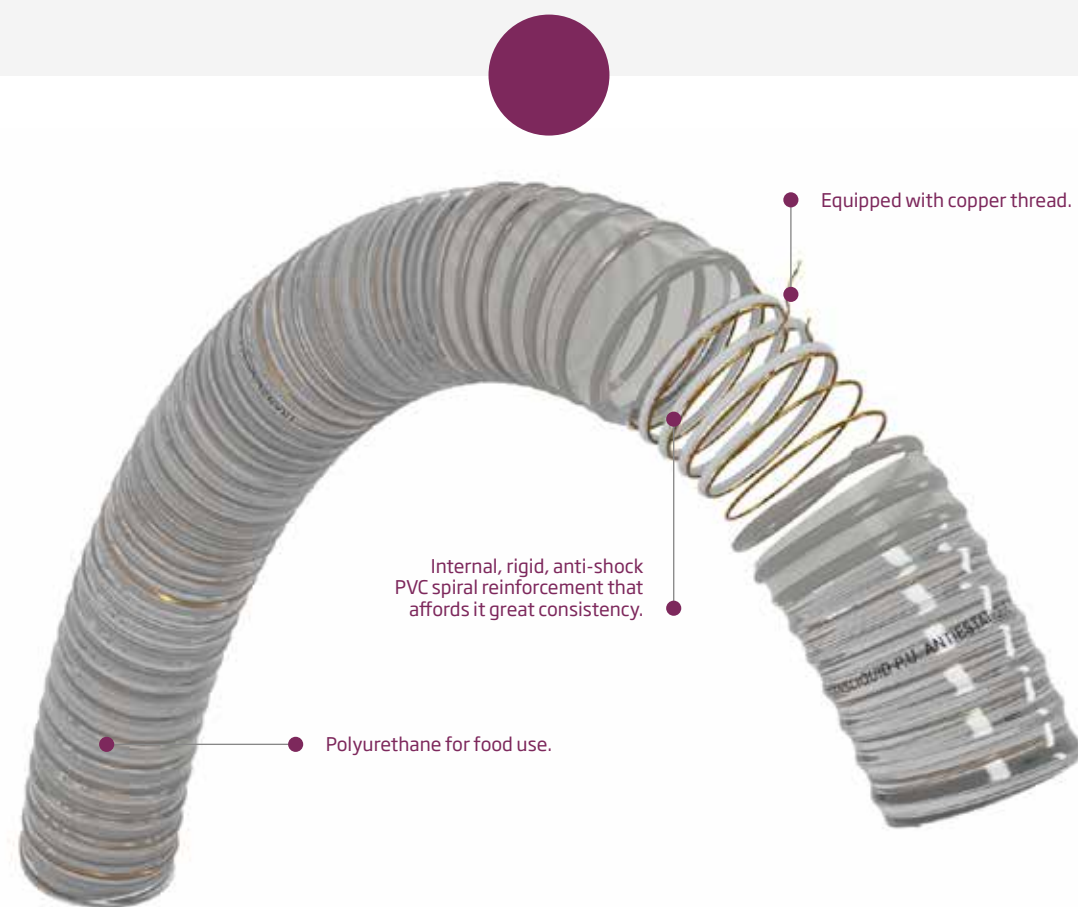


INT Ø mm	INT Ø in	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS bar	VACUUM m H ₂ O
20	¾"	2.6	205	5	15	120	9
25	1"	2.6	235	5	15	150	9
30	1" 1/8	3	360	5	15	180	9
32	1" 1/4	3	384	5	15	190	9
38	1" 1/2	3.2	418	5	15	240	9
40	1" 5/8	3.2	470	5	15	240	9
45	1" ¾	3.5	550	5	15	270	9
51	2"	3.7	600	5	15	300	9
55	2" 1/8	3.8	660	5	15	330	9
60	2" 1/32	4	800	5	15	360	9
63	2" 1/2	4.2	815	4	12	390	9
70	2" ¾	4.4	1000	4	12	420	9
76	3"	4.6	1100	4	12	450	9
80	3" 1/8	4.7	1200	4	12	480	9
90	3" 1/2	5	1400	4	12	540	9
102	4"	5	1600	3	9	600	9
110	4" 5/16	5	1850	3	9	660	9
127	5"	6	2090	3	9	750	9
152	6"	6.7	3400	3	9	900	9

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

Transliquid® PU Antiestático

PVC hose with polyurethane inner layer specially designed for the impulsion and aspiration of pellets and liquid food products.
Antistatic product suitable for installations regulated by ATEX regulations.



Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- Equipped with a copper wire that makes it antistatic.
- Highly resistant and great flexibility, even at low temperatures.
- The hose wall is smooth on the inside and corrugated on the outside.
- Good chemical resistance associated with PU's resistance chart and very good resistance to hydrolysis.
- Recommended temperature for use between -20°C and 80°C.



FOOD
USE



INDUSTRIAL
USE



AGRICULTURAL
USE



MADE FROM
POLYURETHANE



ANTI-ABRASION



ANTISTATIC



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba



TEMPERATURES
-20°C TO 80°C

Applications

- Transfer of liquid food products that require food simulants A, B and C in OM2 conditions in accordance with Regulation EU 10/2011.
- Pumping and suction in agricultural and industrial irrigation when the facility needs to have antistatic properties.
- Transfer of pellet and other abrasive materials on boiler installations.

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	3/4"	2.8	260	5	15	50	7
25	1"	2.8	305	5	15	65	7
30	1" 1/8	3.2	470	5	15	75	7
32	1" 1/4	3.2	384	5	15	80	7
38	1" 3/8	3.4	500	5	15	95	7
40	1" 1/2	3.4	610	5	15	100	7
45	1" 5/8	3.7	715	5	15	120	7
51	1" 3/4	4.0	780	5	15	130	7
55	2"	4.0	990	5	15	140	7
60	2" 1/8	4.2	1040	5	15	150	7
63	2" 1/32	4.4	1060	4	12	160	7
65	2" 1/2	4.4	1080	4	12	165	7
70	2" 3/4	4.8	1300	4	12	175	7
75	3"	4.8	1430	4	12	190	7
80	3" 1/8	4.9	1560	4	12	200	7
90	3" 1/2	5.2	1820	4	12	225	7
102	4"	5.2	2080	3	9	260	6
110	4" 5/16	5.2	2405	3	9	275	6
125	4" 3/4	6.3	2720	3	9	320	6
150	5"	7.0	4420	3	9	375	6

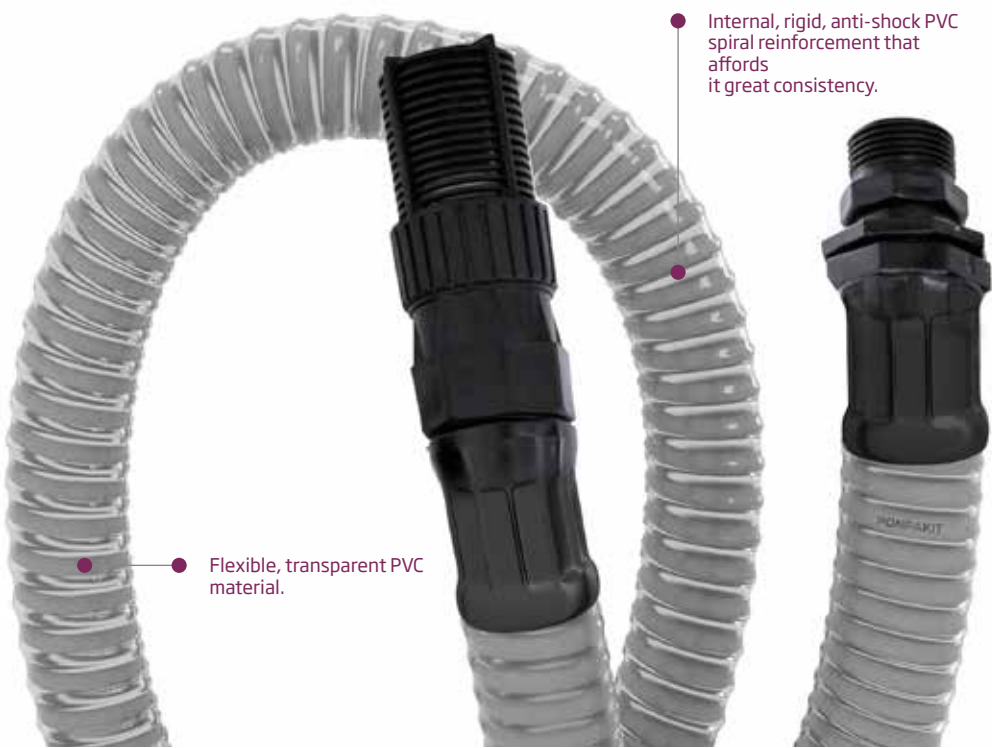
Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

Espirokit Suction

Seven-metre section of special suction hose with 1" connector accessories, female fitting and check suction valve.

Applications

- ▶ Pumping and suction in agricultural irrigation and gardening.
- ▶ Installation in small bilge pumps for the suction of liquids in ponds, gardens and similar domestic uses.



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.
- Supplied in 7-metre rolls with two 1" connectors, assembled and fixed, one of which is equipped with a check suction valve, in metal or plastic.
- Recommended temperature for use between -10°C and 60°C.



DOMESTIC
USE



FOOD
USE



INDUSTRIAL
USE



AGRICULTURAL
USE



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba

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
22	1"	3	280	5	15	75	9
25	1"	3	280	5	15	75	9
32	1" 1/4	3	335	5	15	75	9

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

Lisflex®

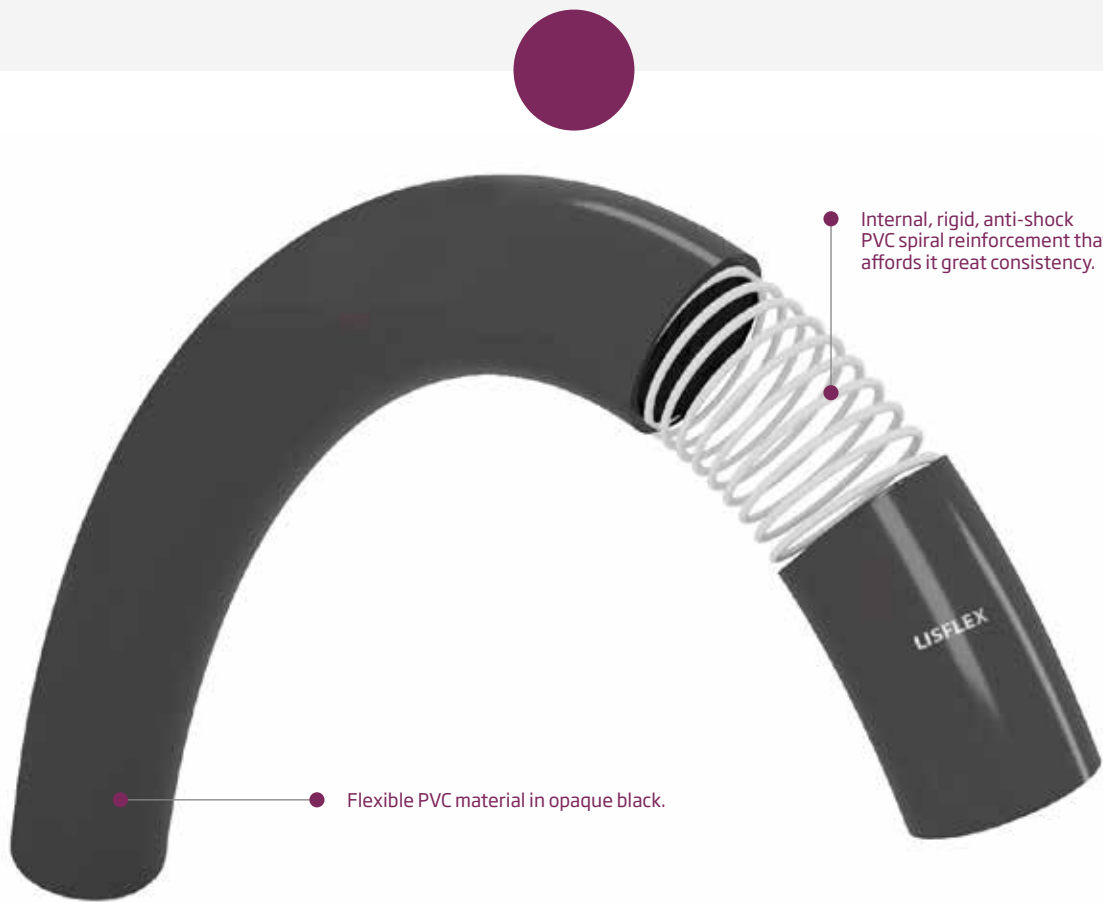
Hose for discharges, pumping of liquids and conduction in filtration circuits for ponds, small lakes, baths and similar gardening uses.
Pumping and suction in agricultural machinery.

Applications

► Discharge circuits for swimming pools, ponds, small lakes and garden fountains.

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LISFLEX®



Features

- For agricultural and industrial use.
- 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.



DOMESTIC
USE



INDUSTRIAL
USE



AGRICULTURAL
USE



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba



51

LISFLEX®

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"	1.7	181	5	15	80	9
25	1"	2.3	250	4	12	100	9
32	1¼"	2.7	380	4	12	130	9
38	1½"	2.8	470	4	12	160	9
40	1⅝"	3	510	4	12	160	9
51	2"	3.7	760	3	9	200	9
63	1½"	3.8	1050	3	9	250	9
70	2¾"	4.8	1500	3	9	280	9
76	3"	4.8	1700	3	9	300	9
102	4"	4.8	2100	3	9	400	9

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

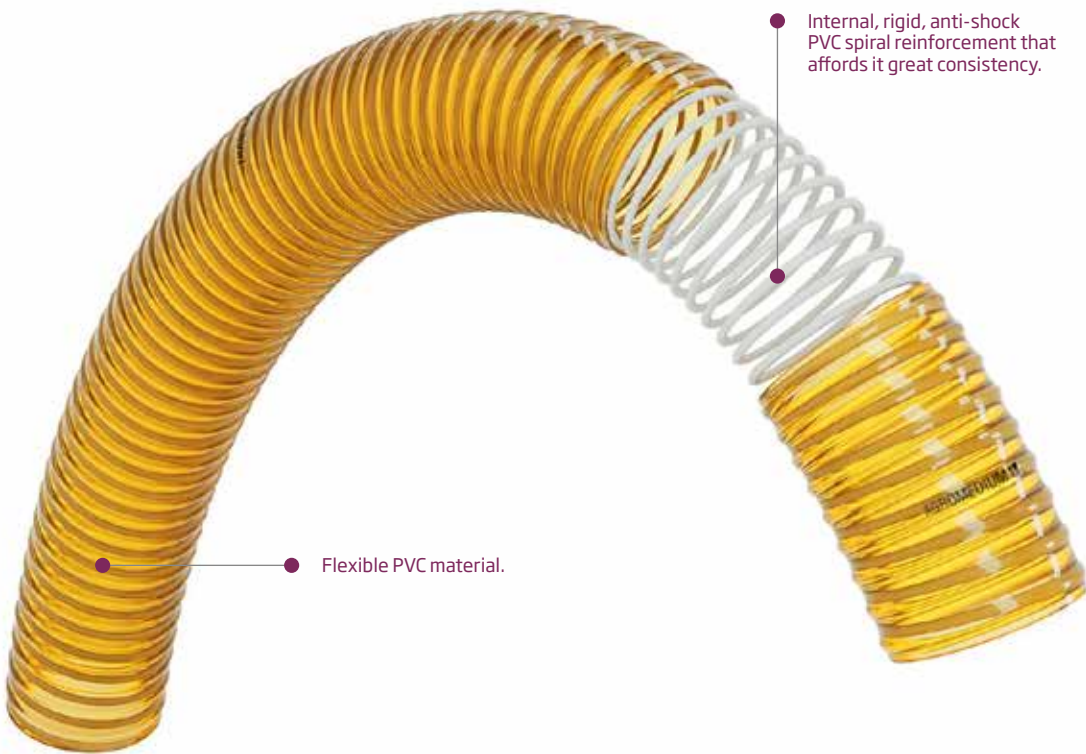


Agromedium®

Suction and pumping hose for agricultural and industrial irrigation with a moderate aggressiveness index.

Applications

- ▶ Pumping and suction in agricultural and industrial irrigation and slurry.
- ▶ Transport of granulated materials and drainage of cesspits.



Features

- For agricultural and industrial use.
- Available in version for food use, orange (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.



FOOD
USE



INDUSTRIAL
USE



AGRICULTURAL
USE



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba

INT Ø mm	INT Ø in	WALL THICKNESS mm	WEIGHT g/m	OPERAT- ING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	VACUUM m H ₂ O	COLOURS AVAILABLE
51	2"	5	960	5	15	250	9	  
55	2" 1/8	5	1120	5	15	275	9	
60	2" 1/32	5.5	1300	5	15	300	9	
63	2" 1/2	5.5	1360	5	15	315	9	
70	2" 3/4	6	1520	5	15	350	9	
76	3"	6	1600	5	15	375	9	
80	3" 1/8	6	1700	4	12	400	9	
90	3" 1/2	6	2050	4	12	450	9	
102	4"	7	2650	3	9	500	9	
110	4" 5/16	7	2850	3	9	550	9	
120	4" 3/4	7.5	3100	3	9	600	9	
127	5"	7.5	3200	3	9	625	9	
152	6"	8	5000	3	9	750	9	
203	8"	11	8100	2.5	7.5	1000	9	
254	10"	12.5	10400	2.5	7.5	1250	9	
305	12"	13.5	12000	2.5	7.5	1500	9	

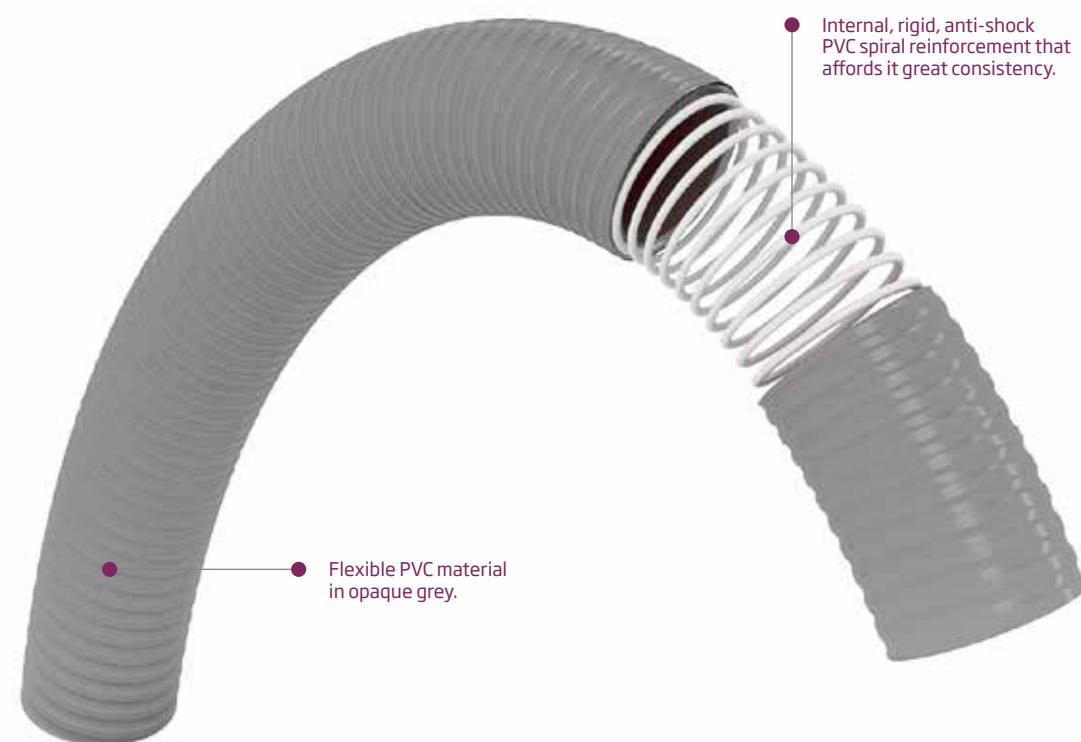
Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

Transfort®

Pumping and suction hose for slurries, industrial irrigation, cesspits, bilges and products with a high aggressiveness index.

Applications

- ▶ Pumping and suction in agricultural and industrial irrigation and slurry.
- ▶ Transport of granulated materials and drainage of cesspits.



Features

- For agricultural and industrial use.
- 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.



INDUSTRIAL
USE



AGRICULTURAL
USE



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba

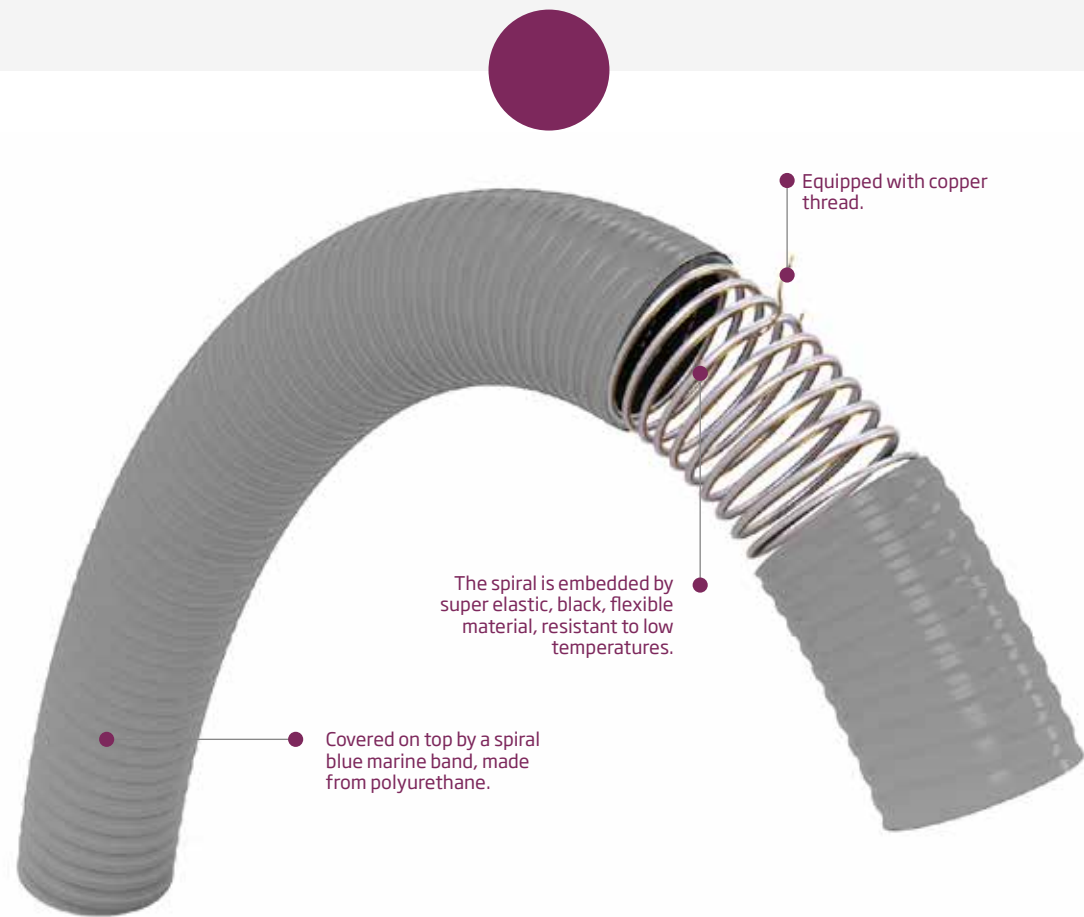
INT Ø mm	INT Ø in	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	VACUUM m H ₂ O
40	1" 5/8	5	765	5	15	200	9
45	1" 3/4	5.5	900	5	15	225	9
51	2"	5.5	1080	5	15	250	9
55	2" 1/8	5.5	1180	5	15	275	9
60	2" 1/32	6.2	1440	5	15	300	9
63	2" 1/2	6.2	1500	5	15	315	9
70	2" 3/4	6.5	1650	5	15	350	9
76	3"	6.5	1800	5	15	375	9
80	3" 1/8	6.5	1980	4	12	400	9
90	3" 1/2	7	2340	4	12	450	9
102	4"	7.5	2970	3	9	500	9
110	4" 3/4	7.5	3240	3	9	550	9
120	5"	7.5	3500	3	9	600	9
127	5"	7.5	3600	3	9	625	9
130	5" 1/2	7.5	3750	3	9	650	9
140	6"	7.5	5300	3	9	700	9
152	6"	9.5	5670	3	9	750	9
160	8"	9.5	6000	3	9	800	9
203	10"	11.5	9250	2.5	7.5	1000	9
254	12"	12.5	11700	2.5	7.5	1250	9
305	12"	12.5	13500	2.5	7.5	1500	9

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.



Transfort® Antiestático

Tube made by co-extrusion of vinyl components, according to the European Quality Norm UNE EN ISO 3994. Reinforced inside with a non plasticized PVC spiral, practically non deformable and anti-choke, which provides it a great consistency. An antistatic product suitable for facilities governed by ATEX regulations.



Features

- The tube is smooth inside, which prevents from the formation of sediments and facilitates the sterilization of them.
- Equipped with a copper wire that makes it antistatic.
- Non toxic. Resistant to the atmospheric agents and to several chemical products.
- A copper wire is embedded in the wall, which provides the tube with anti-static properties when this wire is connected to earth.
- The recommended using temperature is within -40°C and 60°C.



INDUSTRIAL
USE



AGRICULTURAL
USE



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba



ANTISTATIC

Applications

- ▶ Draining of cesspools, sewers. Industrial sprinkling. Suction and impulsion of liquid manure and chemical products.
- ▶ Pneumatic transport of seeds and cereals.
- ▶ Transporting of powder and granules.
- ▶ Due to its great flexibility, it is recommended for using on tank cars.

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
40	1" 5/8	4.5	730	6	18	160	9
45	1" 3/4	5.0	900	6	18	180	9
50	2"	5.2	1050	5	15	200	9
60	2" 1/8	5.5	1250	4.5	13.5	240	9
63	2" 1/32	6.0	1390	4.5	13.5	250	9
70	2" 1/2	6.5	1600	4.5	13.5	280	9
75	2" 3/4	6.5	1700	4	12	300	9
80	3"	6.5	1850	3.5	10.5	320	9
90	3" 1/8	6.7	2250	3.5	10.5	360	9
102	3" 1/2	7.3	2700	3	9	410	9
105	4"	7.4	2900	3	9	420	9
110	4" 3/4	7.5	3100	3	9	440	9
120	5"	8.0	3600	2.5	7.5	480	9
125	5"	8.3	3900	2.5	7.5	500	9
150	5" 1/2	9.5	5000	2	6	600	9
200	6"	12.1	10000	2	6	800	9
250	6"	12.1	12400	1.5	4.5	1000	9

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

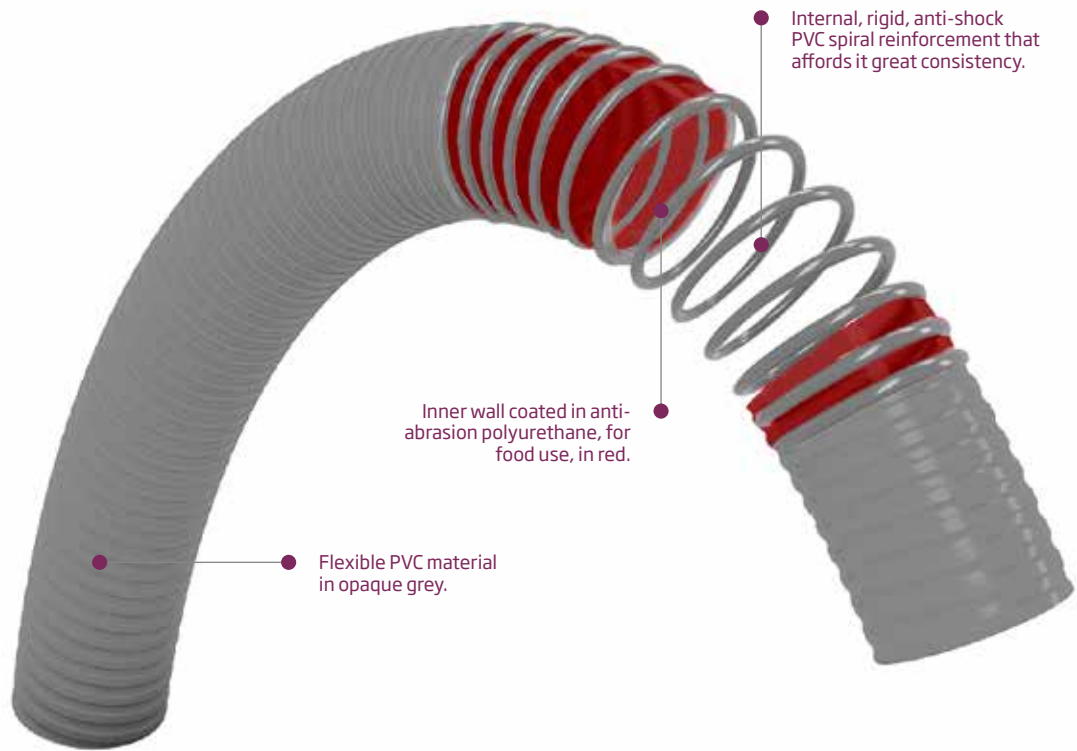
LIQUIDS

Transfort® PU

Pumping and suction hose for slurries, industrial irrigation, cesspits, bilges and products with a very high aggressiveness index. Internal polyurethane layer to grant it greater resistance to abrasion.

Applications

- For pumping and suction of abrasive liquids: sludge, sand, cement, gravel, etc.
- Highly abrasive products.



Features

- For agricultural, industrial and food use.
- Pumping and suction hose for slurries, industrial irrigation, cesspits, bilges and products that are extremely aggressive.
- Internal polyurethane layer to grant it greater resistance to abrasion.
- Recommended temperature for use between -10°C and 60°C.



INDUSTRIAL
USE



FOOD
USE



AGRICULTURAL
USE



ANTI-ABRASION



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba

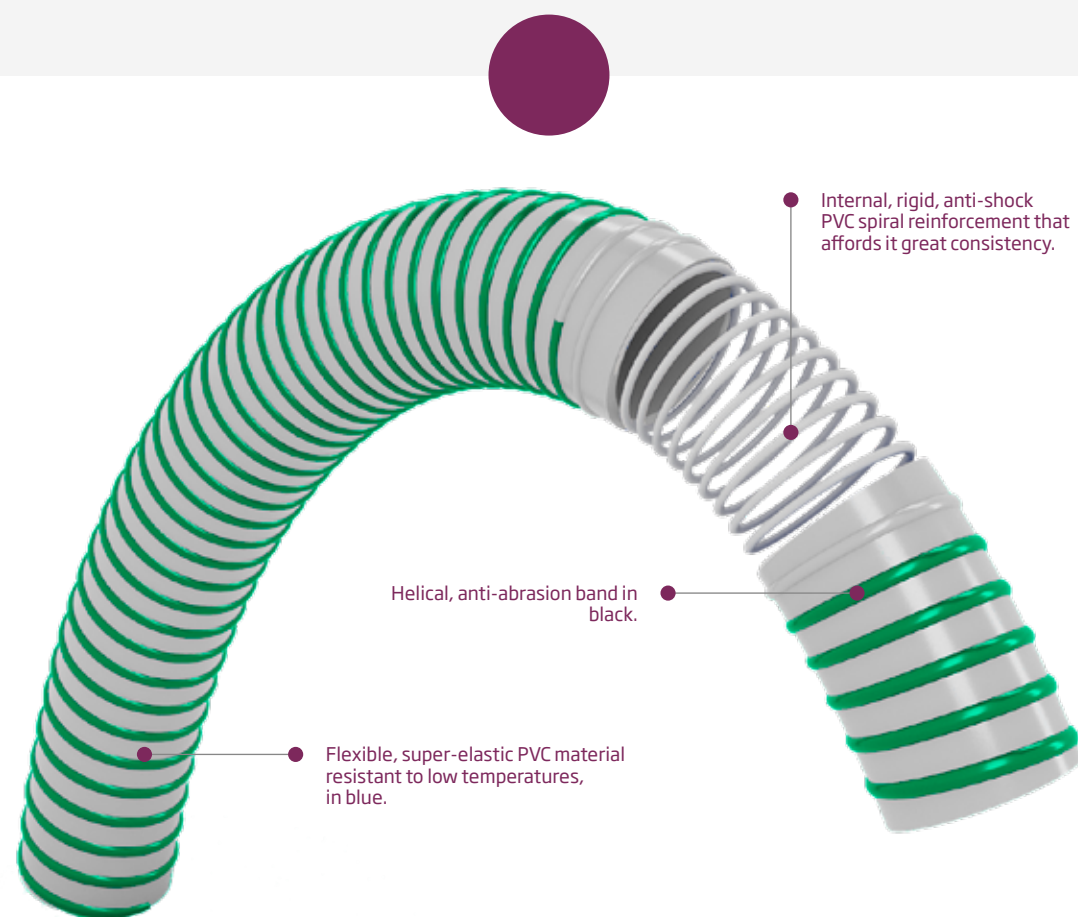
INT Ø mm	INT Ø in	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	VACUUM m H ₂ O
40	1" 5/8	5	800	9	27	400	9
51	2"	5.5	1200	8	24	500	9
60	2" 1/32	6	1600	7	21	600	9
63	2" 1/2	6.5	1750	7	21	630	9
70	2" 3/4	7	1900	6	18	700	9
76	3"	7	2000	6	18	760	9
80	3" 1/8	7	2200	6	18	800	9
90	3" 1/2	7.5	2600	5	15	900	9
102	4"	8	3100	5	15	1000	9
110	4" 5/16	8.3	3300	5	15	1100	9
127	5"	8.3	3600	3	9	1300	9
152	6"	10.5	6400	3	9	1600	9
203	8"	12.5	10200	2	6	2000	9

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.



Transfort® Superelastic

Highly flexible hose for industrial irrigation and mobile tanks.
Especially recommended for facilities at low temperatures.
For pumping and suction of slurries and products with a high aggressiveness index. Suitable for temperatures down to -25°C.



Features

- For agricultural and industrial use.
- Great flexibility, even at low temperatures.
- The hose wall is smooth on the inside and corrugated on the outside. It is equipped with a helical band that grants it greater resistance to abrasion when dragged across the ground.
- Good chemical resistance associated with PVC's resistance chart.
- Recommended temperature for use between -25°C and 60°C.
- Option in blue-black or gray-green.



INDUSTRIAL
USE



TANKER
TRUCK



AGRICULTURAL
USE



GREATER
FLEXIBILITY



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba

Applications

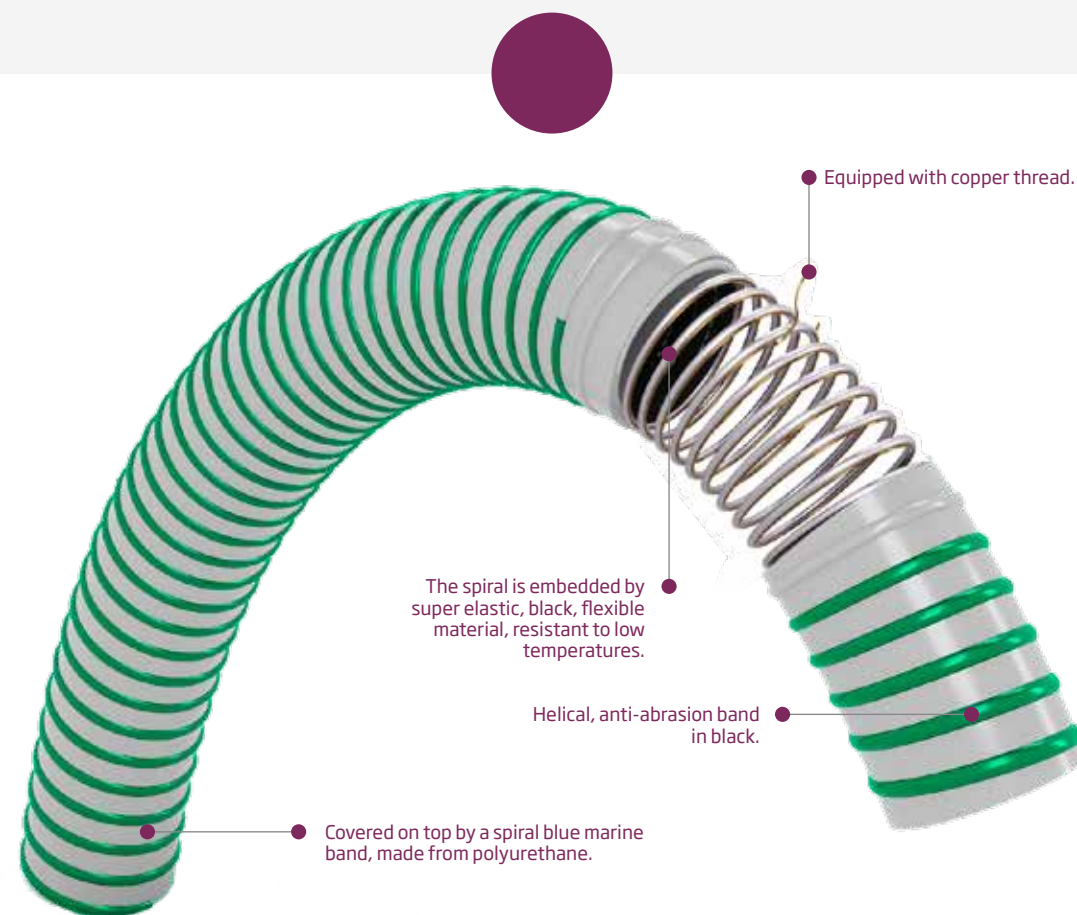
- ▶ Pumping and suction in agricultural and industrial irrigation and slurry.
- ▶ Transport of granulated materials and drainage of cesspits.
- ▶ Particularly suitable for low temperatures.
- ▶ Designed especially for use in tanker trucks.

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
40	1" 5/8	4.5	730	6	18	160	9
45	1" 3/4	5	900	6	18	180	9
51	2"	5.2	1050	5	15	200	9
60	2" 1/32	5.5	1250	4.5	13.5	240	9
63	2" 1/2	6	1390	4.5	13.5	250	9
70	2" 3/4	6.5	1600	4.5	13.5	280	9
76	3"	6.5	1700	4	12	300	9
80	3" 1/8	6.5	1850	3.5	10.5	320	9
90	3" 1/2	6.7	2250	3.5	10.5	360	9
102	4"	7.3	2700	3	9	410	9
110	4" 5/16	7.5	3100	3	9	440	9
120	5"	8	3600	2.5	7.5	480	9
127	6"	8.3	3900	2.5	7.5	500	9
152	8"	9.5	5000	2	6	600	9
203	10"	12.1	10000	2	6	800	9
254	10"	12.1	12400	1.5	4.5	1000	9

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

Transfort® Superelastic Antiestático

Tube made by co-extrusion of vinyl components, according to the European Quality Norm UNE EN ISO 3994. Reinforced inside with a non plasticized PVC spiral, practically non deformable and anti-choke, which provides it a great consistency. An antistatic product suitable for facilities governed by ATEX regulations.



Features

- The tube is smooth inside, which prevents from the formation of sediments and facilitates the sterilization of them.
- Equipped with a copper wire that makes it antistatic
- Non toxic. Resistant to the atmospheric agents and to several chemical products.
- A copper wire is embedded in the wall, which provides the tube with anti-static properties when this wire is connected to earth.
- The recommended using temperature is within -40°C and 60°C.



INDUSTRIAL
USE



TANKER
TRUCK



AGRICULTURAL
USE



GREATER
FLEXIBILITY



HIGH QUALITY
CONTROL



FREE
Cd / Pb / Ba

Applications

- Draining of cesspools, sewers. Industrial sprinkling. Suction and impulsion of liquid manure and chemical products.
- Pneumatic transport of seed and cereal.
- Transporting of powder and granules.
- Due to its great flexibility, it is recommended for using on tank cars.

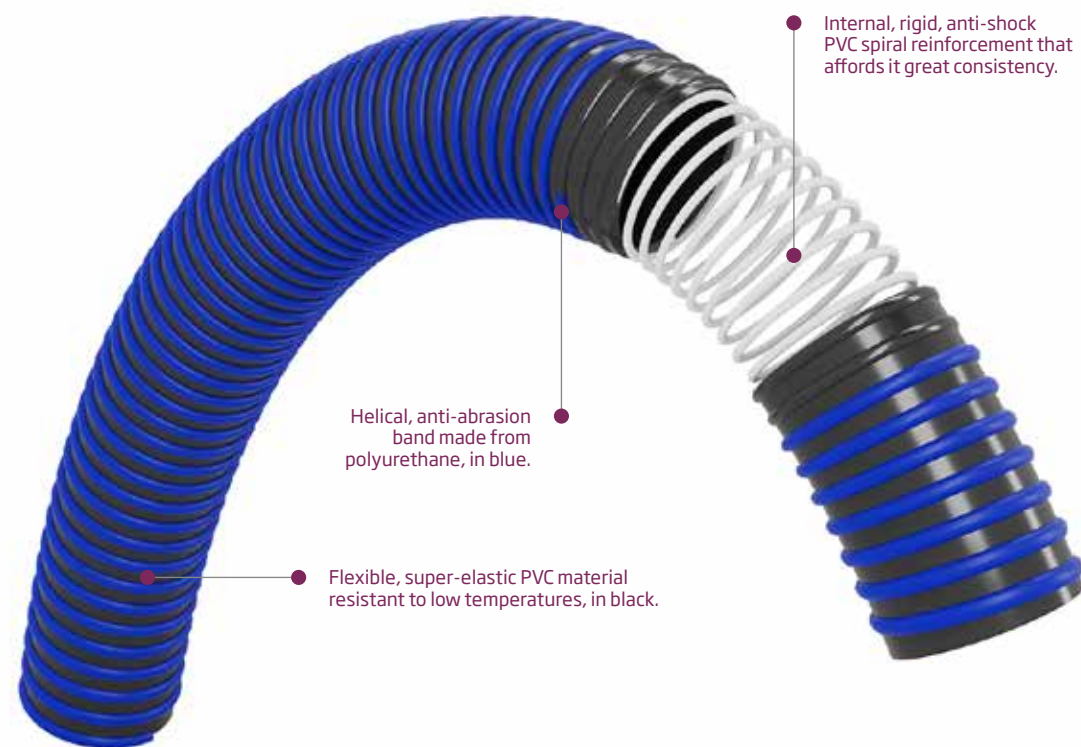
INT Ø mm	INT Ø in	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	VACUUM m H ₂ O
40	1" 5/8	4.5	730	6	18	160	9
45	1" 3/4	5.0	900	6	18	180	9
50	2"	5.2	1050	5	15	200	9
60	2" 1/8	5.5	1250	4.5	13.5	240	9
63	2" 1/32	6.0	1390	4.5	13.5	250	9
70	2" 1/2	6.5	1600	4.5	13.5	280	9
75	2" 3/4	6.5	1700	4	12	300	9
80	3"	6.5	1850	3.5	10.5	320	9
90	3" 1/8	6.7	2250	3.5	10.5	360	9
102	3" 1/2	7.3	2700	3	9	410	9
105	4"	7.4	2900	3	9	420	9
110	4" 3/4	7.5	3100	3	9	440	9
120	5"	8.0	3600	2.5	7.5	480	9
125	5"	8.3	3900	2.5	7.5	500	9
150	5" 1/2	9.5	5000	2	6	600	9
200	6"	12.1	10000	2	6	800	9
250	6"	12.1	12400	1.5	4.5	1000	9

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.



Transfort® Superflex

Highly flexible hose for industrial irrigation and mobile tanks.
Especially recommended for facilities at low temperatures.
For pumping and suction of slurries and products that are highly aggressive. Suitable for temperatures down to -40°C.



Features

- For agricultural and industrial use.
- Great flexibility, even at low temperatures.
- The hose wall is smooth on the inside and corrugated on the outside. The exterior of the hose is covered by a blue helical band made from polyurethane, which grants it great resistance to the abrasion caused by dragging the hose along the ground.
- Good chemical resistance associated with PVC's resistance chart.
- Recommended temperature for use between -40°C and 60°C.



INDUSTRIAL
USE



AGRICULTURAL
USE



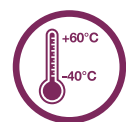
TANKER
TRUCK



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba



TEMPERATURES
-40°C TO 60°C

Applications

- ▶ Pumping and suction in agricultural and industrial irrigation and slurry.
- ▶ Transport of granulated materials and drainage of cesspits.
- ▶ Particularly suitable for low temperatures.
- ▶ Designed especially for use in tanker trucks and portable tanks.

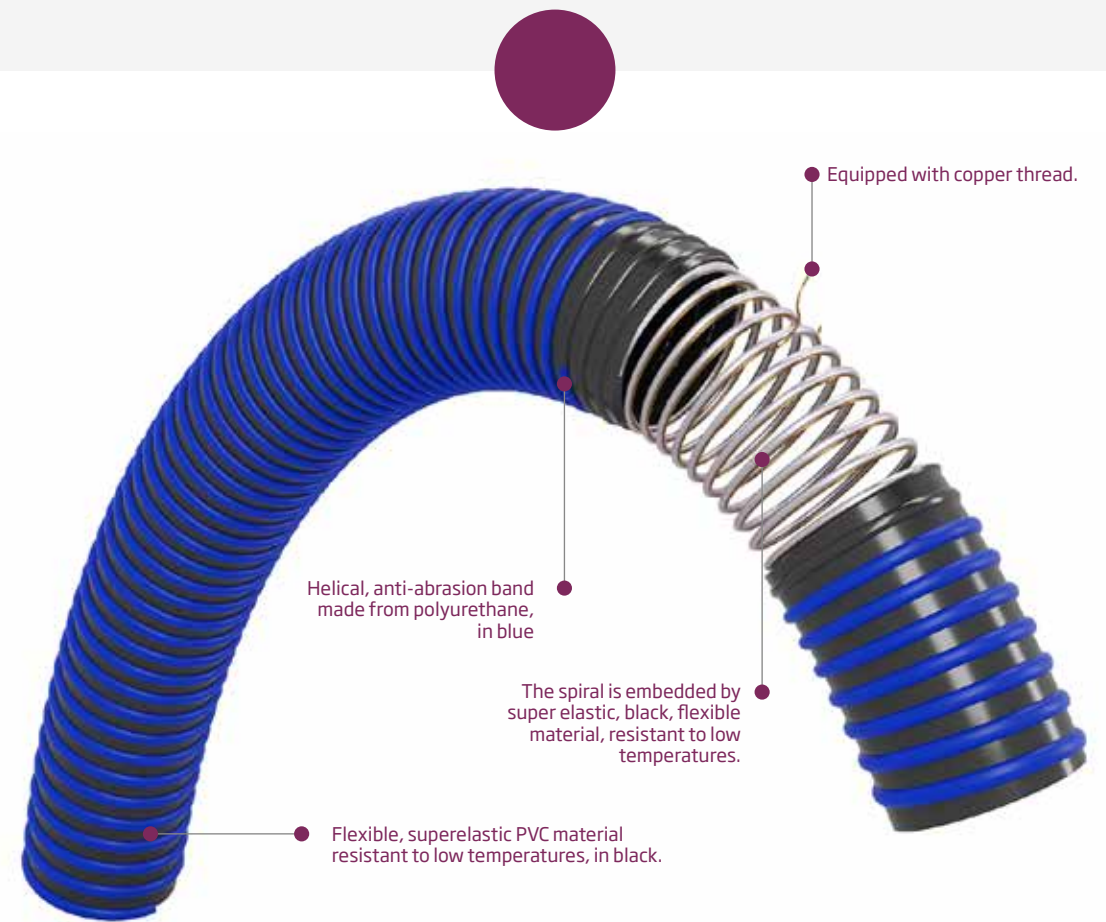
INT Ø mm	INT Ø in	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	VACUUM m H ₂ O
40	1" 5/8	4.5	730	6	18	160	9
45	1" 3/4	5	900	6	18	180	9
51	2"	5.2	1050	5	15	200	9
60	2" 1/32	5.5	1250	4.5	13.5	240	9
63	2" 3/4	6	1390	4.5	13.5	250	9
70	3"	6.5	1600	4.5	13.5	280	9
76	3" 1/8	6.5	1700	4	12	300	9
80	3" 1/2	6.5	1850	3.5	10.5	320	9
90	3" 1/2	6.7	2250	3.5	10.5	360	9
102	4"	7.3	2700	3	9	410	9
110	5"	7.5	3100	3	9	440	9
120	6"	8	3600	2.5	7.5	480	9
127	5"	8.3	3900	2.5	7.5	500	9
152	6"	9.5	5000	2	6	600	9
203	8"	12.1	10000	2	6	800	9
254	10"	12.1	12400	1.5	4.5	1000	9

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.



Transfort® Superflex Antiestático

Tube made by co-extrusion of vinyl components, according to the European Quality Norm UNE EN ISO 3994. Reinforced inside with a non plasticized PVC spiral, practically non deformable and anti-choke, which provides it a great consistency. An antistatic product suitable for facilities governed by ATEX regulations.



Features

- The tube is smooth inside, which prevents from the formation of sediments and acilitates the sterilization of them.
- Equipped with a copper wire that makes it antistatic.
- Non toxic. Resistant to the atmospheric agents and to several chemical products.
- A copper wire is embedded in the wall, which provides the tube with anti-static properties when this wire is connected to earth.
- The recommended using temperature is within -40°C and 60°C.



INDUSTRIAL USE



AGRICULTURAL USE



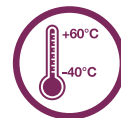
TANKER TRUCK



HIGH QUALITY CONTROL



FREE FROM Cd / Pb / Ba



TEMPERATURES -40°C TO 60°C



ANTISTATIC

Applications

- ▶ Draining of cesspools, sewers. Industrial sprinkling. Suction and impulsion of liquid manure and chemical products.
- ▶ Pneumatic transport of seed and cereal.
- ▶ Transporting of powder and granules.
- ▶ Due to its great flexibility, it is recommended for using on tank cars.

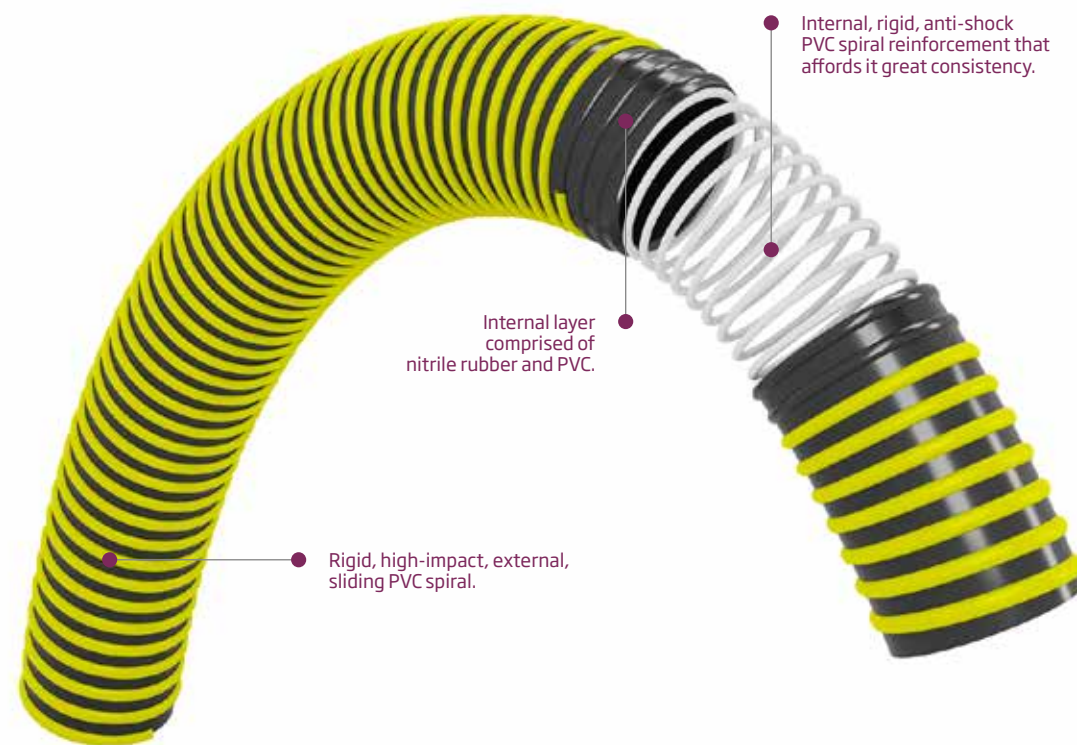
INT Ø mm	INT Ø in	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	VACUUM m H ₂ O
40	1" 5/8	4.5	730	6	18	160	9
45	1" 3/4	5.0	900	6	18	180	9
50	2"	5.2	1050	5	15	200	9
60	2" 1/8	5.5	1250	4.5	13.5	240	9
63	2" 1/32	6.0	1390	4.5	13.5	250	9
70	2" 1/2	6.5	1600	4.5	13.5	280	9
75	2" 3/4	6.5	1700	4	12	300	9
80	3"	6.5	1850	3.5	10.5	320	9
90	3" 1/8	6.7	2250	3.5	10.5	360	9
102	3" 1/2	7.3	2700	3	9	410	9
105	4"	7.4	2900	3	9	420	9
110	4" 3/4	7.5	3100	3	9	440	9
120	5"	8.0	3600	2.5	7.5	480	9
125	5"	8.3	3900	2.5	7.5	500	9
150	5" 1/2	9.5	5000	2	6	600	9
200	6"	12.1	10000	2	6	800	9
250	6"	12.1	12400	1.5	4.5	1000	9

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.



Espirotiger®

Hose designed to transport abrasive materials in harsh working conditions. Equipped with an internal layer comprised of nitrile rubber and PVC, in addition to a rigid, high-impact, external PVC spiral. Its special formulation makes this hose highly resistant and durable.



Features

- For industrial use.
- 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 -20°C and 60°C.
- Rigid PVC spiral on the hose's external surface, granting it greater resistance to wear and tear caused by dragging, and reducing its coefficient of friction with all kinds of surfaces.



INDUSTRIAL
USE



CONSTRUCTION



UV PROTECTION



SMOOTH
INTERIOR



ANTI-ABRASION



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba

Applications

- Designed for use in civil works and shipyards.
- Transfer of abrasive materials, such as grains, gravel and cement.

INT Ø mm	INT Ø in	EXT Ø mm	TOTAL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	VACU- UM m H ₂ O
45	1" 3/4	55	5.0	750	7	21	100	9
51	2"	63	6.5	820	7	21	130	9
64	2" 1/2	79	7.5	1340	7	21	160	9
76	3"	91	8.0	1600	5	15	205	9
102	4"	118	8.0	2760	4.5	13.5	240	9
127	5"	150	12.5	4300	4.5	13.5	270	9
152	6"	175	12.5	5100	4	12	300	9
203	8"	227	13.5	7200	3.5	10.5	320	9

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.



Espirolayflat®

Flat, flexible, monolayer hose made from plasticised PVC, reinforced internally by polyester fibre.



Features

- Made of PVC for industrial and agricultural use, covering a polyester mesh such that it forms a single layer.
- Highly flexible and light.
- Thanks to its flat structure, it is easy to use and roll up, occupying little space.
- Easy to install.
- Adapted clamps should be employed during use to ensure the hose's subsequent good functioning.
- Recommended temperature for use between -10°C and 60°C.



ECONOMIC



INDUSTRIAL USE



AGRICULTURAL USE



TRANSPORT OF WATER



HIGH QUALITY CONTROL



FREE FROM Cd / Pb / Ba

Applications

- ▶ Piping agricultural drip irrigation.
- ▶ Piping water at low pressures.
- ▶ Particularly recommended for facilities that require the hose to be perforated in order to install the drip accessory.



INT Ø mm	INT Ø in	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	LONG ROLL mm
25	1"	1.1	140	8	24	100
30	1" 1/8	1.1	150	6	18	100
32	1" 1/4	1.1	170	6	18	100
40	1" 5/8	1.1	220	6	18	100
51	2"	1	240	5	15	100
63	2" 1/2	1.15	320	4	12	100
76	3"	1.15	400	4	12	100
90	3" 1/2	1.15	425	4	12	100
102	4"	1.20	445	4	12	100
110	4" 5/16	1.20	515	4	12	100
127	5"	1.35	800	4	12	100
152	6"	1.35	900	3	9	50
203	8"	2.20	1785	3	9	50

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.



Waterflat® L

Flat hose to transfer and transport agricultural and construction irrigation at low pressure.

Applications

► Transfer, transport and pumping of drinking water, fertilisers and other liquids in agricultural irrigation and in construction.



Features

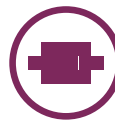
- For industrial and agricultural use, and construction.
- Its interior textile reinforcement allows it to withstand working pressures.
- Thanks to its flat structure, it is easy to use and roll up, occupying little space.
- Highly flexible and light.
- Easy to install.
- Adapted clamps should be employed during use to ensure the hose's subsequent good functioning.
- Recommended temperature for use between -10°C and 60°C.



INDUSTRIAL
USE



AGRICULTURAL
USE



CONSTRUCTION



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba

INT Ø mm	INT Ø in	TOTAL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	ELONGA- TION ΔL%	DILATION ΔD%	COLOURS AVAILABLE
25	1"	1.6	180	6	18	±7	±10	 
30	1" 1/8	1.6	200	6	18	±7	±10	
35	1" 3/8	1.6	240	6	18	±7	±10	
40	1" 5/8	1.6	280	6	18	±7	±10	
45	1" 3/4	1.6	320	6	18	±7	±10	
51	2"	1.6	375	6	18	±7	±10	
55	2" 1/8	1.8	400	6	18	±7	±10	
63	2" 1/2	1.8	430	5	15	±7	±10	
70	2" 3/4	1.8	450	5	12	±7	±10	
76	3"	1.8	550	5	12	±7	±10	
80	3" 1/8	1.8	560	5	12	±7	±10	
90	3" 1/2	2.1	660	5	12	±7	±10	
102	4"	2.1	760	4	10.5	±7	±10	
110	4" 5/16	2.2	1000	4	10.5	±7	±10	
127	5"	2.2	1180	4	10.5	±7	±10	
152	6"	2.2	1300	4	10.5	±7	±10	

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

Waterflat® M

Flat hose to pump liquids, for agricultural irrigation and to transport water in general at medium pressures.
Striated hose for greater resistance to dragging.

Applications

- ▶ Pumping in bilge pumps, washing down, quarries, etc.
- ▶ Agricultural irrigation.
- ▶ Transport of water in general.



Features

- For industrial and agricultural use.
- Striated hose for greater resistance to dragging.
- Its interior textile reinforcement allows it to withstand medium working pressures.
- Thanks to its flat structure, it is easy to use and roll up, occupying little space.
- Highly flexible and light.
- Easy to install.
- Adapted clamps should be employed during use to ensure the hose's subsequent good functioning.
- Recommended temperature for use between -10°C and 60°C.



INDUSTRIAL
USE



AGRICULTURAL
USE



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba

INT Ø mm	INT Ø mm	TOTAL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	ELONGATION ΔL%	DILATION ΔD%
25	1"	2.2	240	10	30	±7	±10
30	1" 1/8	2.2	275	10	30	±7	±10
32	1" 1/4	2.2	290	10	30	±7	±10
35	1" 3/8	2.2	300	10	30	±7	±10
38	1" 1/2	2.2	335	10	30	±7	±10
40	1" 5/8	2.2	350	10	30	±7	±10
45	1" 3/4	2.2	400	10	30	±7	±10
51	2"	2.2	480	8	24	±7	±10
55	2" 1/8	2.2	500	7	21	±7	±10
63	2" 1/2	2.2	540	7	21	±7	±10
70	2" 3/4	2.2	620	7	21	±7	±10
76	3"	2.4	750	7	21	±7	±10
80	3" 1/8	2.4	800	7	21	±7	±10
90	3" 1/2	2.4	900	7	21	±7	±10
102	4"	2.4	1050	6	18	±7	±10
110	4" 5/16	2.4	1150	6	18	±7	±10
127	5"	2.5	1390	6	18	±7	±10
152	6"	3	1800	4	12	±7	±10
203	8"	2.5	2000	3	9	±7	±10

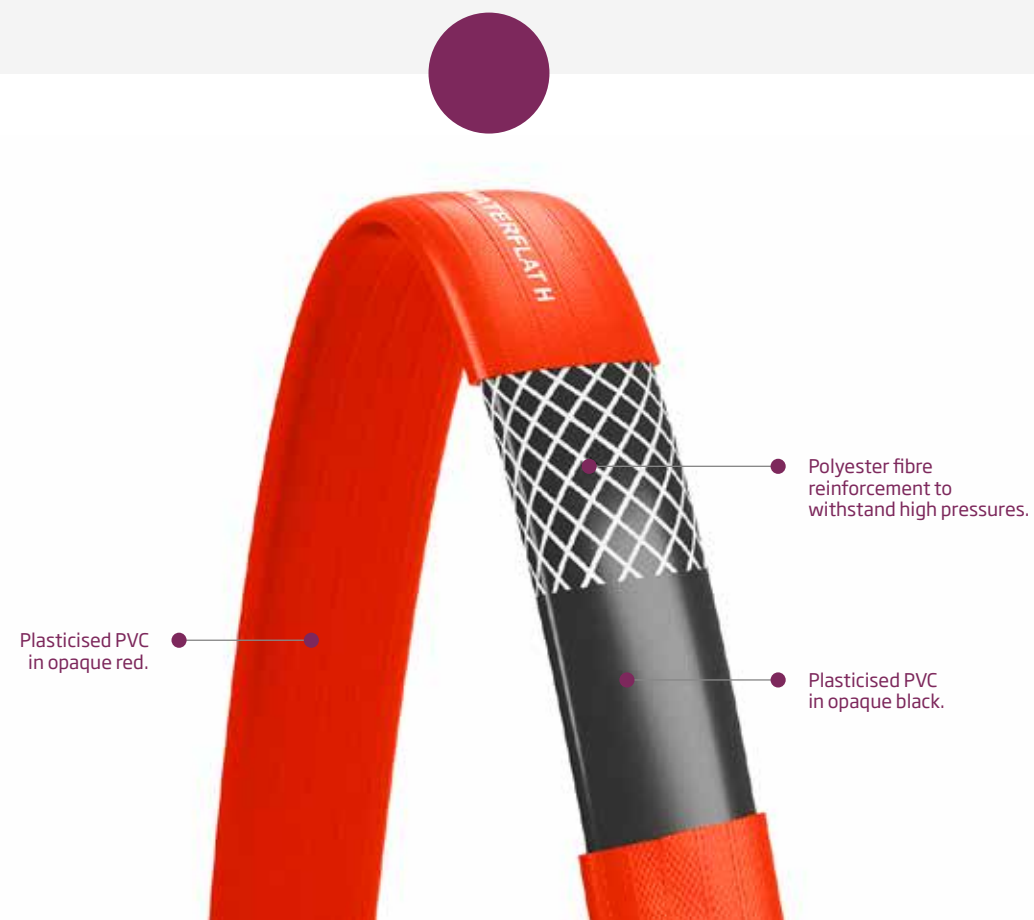
Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

Waterflat® H

Flat hose that is highly resistant to abrasion and pressure.
For the pumping of pumps in bilges, washing down and quarries.
Agricultural irrigation and water transport in general.

Applications

- ▶ Pumping in bilge pumps, washing down, quarries, etc.
- ▶ Agricultural irrigation.
- ▶ Transport of water in general.



Features

- For industrial and agricultural use.
- Its interior textile reinforcement allows it to withstand working pressures of up to 14 bar.
- Thanks to its flat structure, it is easy to use and roll up, occupying little space.
- Highly flexible and light.
- Easy to install.
- Adapted clamps should be employed during use to ensure the hose's subsequent good functioning.
- Recommended temperature for use between -10°C and 60°C.



INDUSTRIAL
USE



AGRICULTURAL
USE



HIGH QUALITY
CONTROL



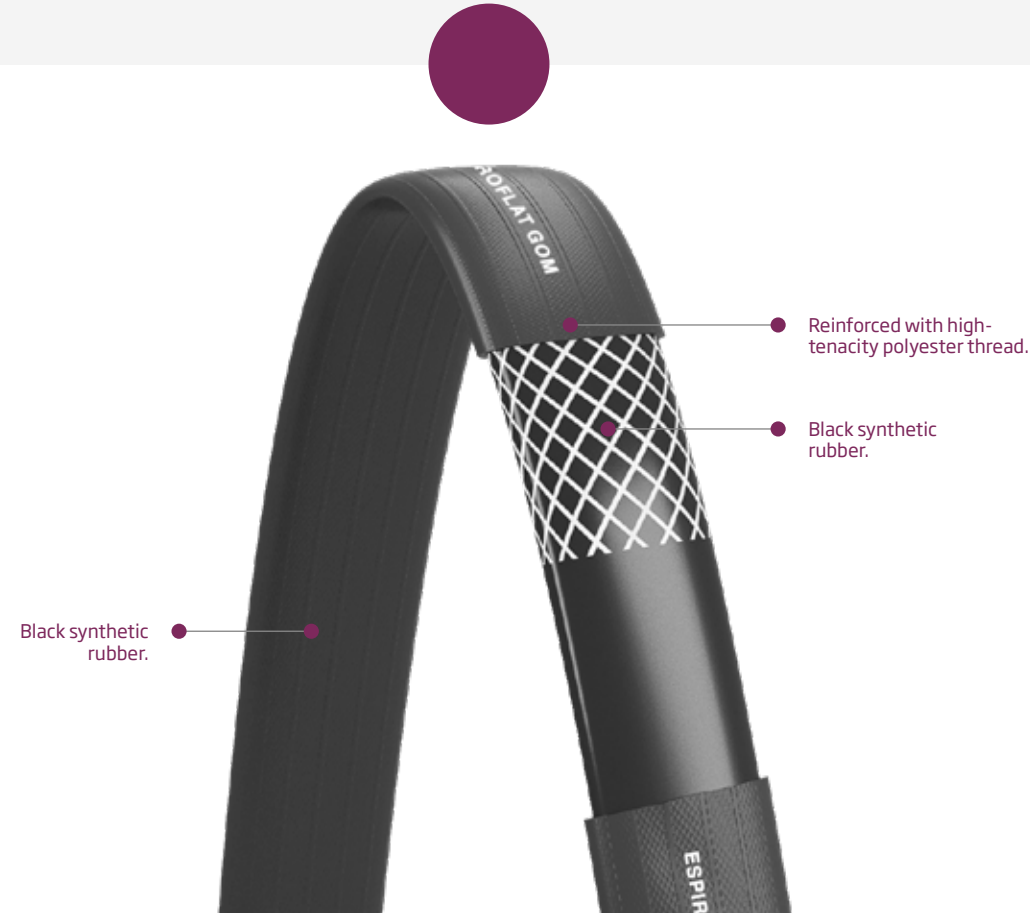
FREE FROM
Cd / Pb / Ba

INT Ø mm	INT Ø in	TOTAL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	ELONG- ATION ΔL%	DILATION ΔD%	COLOURS AVAILABLE
40	1" 5/8	2.5	440	14	42	±7	±10	 
45	1" 3/4	2.5	480	14	42	±7	±10	
51	2"	2.5	520	12	36	±7	±10	
55	2" 1/8	2.5	580	12	36	±7	±10	
63	2" 1/2	2.8	750	12	36	±7	±10	
70	2" 3/4	2.8	840	12	36	±7	±10	
76	3"	2.8	880	12	36	±7	±10	
90	3" 1/2	3.1	1150	10	30	±7	±10	
102	4"	3.1	1300	10	30	±7	±10	
110	4" 5/16	3.2	1480	10	30	±7	±10	
127	5"	3.2	1625	8	24	±7	±10	
152	6"	3.2	2000	6	18	±7	±10	

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

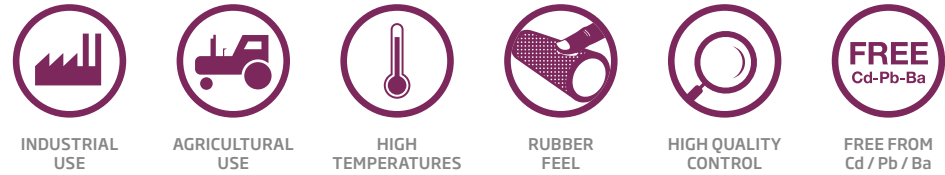
Espiroflat® Rubber

Flat hose composed of nitrile rubber and PVC with special resistance to industrial oils. Designed for pumps, civil works and agriculture



Features

- Non-toxic but not for food use.
- Minimum pressure drop thanks to its smooth wall.
- Manufactured on a circular loom with high tenacity polyester thread.
- External longitudinal grooves to improve abrasion resistance and improve handling.
- The recommended temperature for use is between -20 °C and 75 °C.



Applications

- Flat, easy-to-use hose for discharging pumps and use in construction works, quarries, mines and agriculture.
- Excellent resistance to abrasion and oils.

INT Ø mm	INT Ø in	TOTAL THICKNESS mm	WEIGHT g/m	OPERAT- ING PRESSURE bar	MINIMUM BURST PRESSURE bar	ELONGATION ΔL%	DILATION ΔD%
40	1" 5/8	2,1	360	10	30	±7	±10
45	1" 3/4	2,1	400	10	30	±7	±10
51	2"	2,1	450	8	24	±7	±10
63	2" 1/2	2,2	580	7	21	±7	±10
70	2" 3/4	2,2	645	7	21	±7	±10
75	3"	2,3	720	7	21	±7	±10
80	3" 1/8	2,3	770	7	21	±7	±10
90	3" 1/2	2,4	900	7	21	±7	±10
102	4"	2,4	1000	6	18	±7	±10
110	4" 5/16	2,5	1140	6	18	±7	±10
125	5"	2,7	1400	6	18	±7	±10
152	6"	3,0	1885	4	12	±7	±10

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

Sodigom®

Flat, flexible hose made from black synthetic rubber, reinforced internally with polyester fibre, for discharging pumps and use in construction work, mines and agriculture in general.

Applications

- Flat, easy-to-use hose for discharging pumps and use in construction works, quarries, mines and agriculture.
- Excellent resistance to abrasion and oils.



Features

- For industrial and agricultural use.
- Minimum pressure drop thanks to its smooth wall.
- Made of high-tenacity polyester thread using a circular loom.
- Longitudinal, external striations to improve resistance to abrasion and improve handling.
- Recommended temperature for use between -20°C and 80°C.



INDUSTRIAL
USE



AGRICULTURAL
USE



HIGH
TEMPERATURES



RUBBER
FEEL



HIGH QUALITY
CONTROL



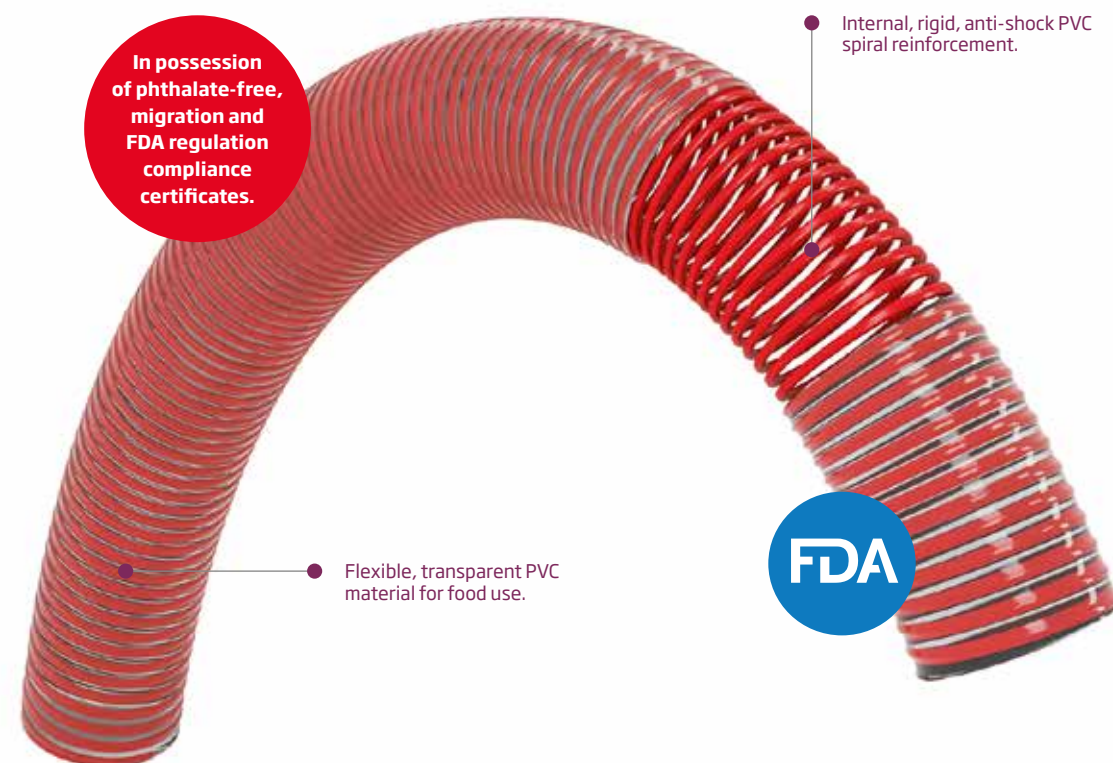
FREE FROM
Cd / Pb / Ba

INT Ø mm	INT Ø in	TOTAL THICKNESS mm	WEIGHT g/m	OPERAT- ING PRESSURE bar	MINIMUM BURST PRESSURE bar	ELONGATION ΔL%	DILATION ΔD%
20	3/4"	2.1	180	20	60	±7	±10
25	1"	2.1	280	20	60	±7	±10
38	1" 1/2	2.1	350	16	48	±7	±10
45	1" 3/4	2.1	400	16	48	±7	±10
51	2"	2.25	500	16	48	±7	±10
63	2" 1/2	2.25	600	16	48	±7	±10
70	2" 3/4	2.50	680	15	45	±7	±10
76	3"	2.6	750	13	39	±7	±10
80	3" 1/8	2.7	900	13	39	±7	±10
90	3" 1/2	2.9	1000	13	39	±7	±10
102	4"	3	1100	13	39	±7	±10
110	4" 5/16	3	1400	10	30	±7	±10
127	5"	3	1700	10	30	±7	±10
152	6"	3	2400	10	30	±7	±10
203	8"	3	2400	10	30	±7	±10

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

Transvin® Phthalates Free

Phthalate-free, PVC hose for transferring and transporting wine and all kinds of alcoholic liquids (50% vol.), in addition to milk products and their by-products. Manufactured in accordance with European legislation on raw materials for non-fatty food use.



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, 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
25	1"	3.1	390	8	24	125	9
30	1" 1/8	4	480	8	24	150	9
32	1" 1/4	4	500	8	24	160	9
35	1" 3/8	4.2	580	8	24	175	9
38	1" 1/2	4.2	670	8	24	190	9
40	1" 5/8	4.3	685	8	24	200	9
45	1" 3/4	4.5	850	8	24	225	9
51	2"	5	1020	8	24	250	9
55	2" 1/8	5	1190	7	21	275	9
60	2" 1/4	5.2	1260	7	21	300	9
63	2" 1/2	5.6	1320	7	21	310	9
70	2" 3/4	5.8	1615	6	18	350	9
76	3"	5.8	1700	6	18	375	9
80	3" 1/8	6	1870	5	15	400	9
90	3" 1/2	6.5	2156	5	15	450	9
102	4"	7	2680	4	12	500	9
110	4" 5/16	7.3	3060	4	12	550	9
120	4" 3/4	7.4	3320	4	12	600	9
127	5"	7.6	3485	4	12	625	9
152	6"	8.5	5355	3	9	760	9

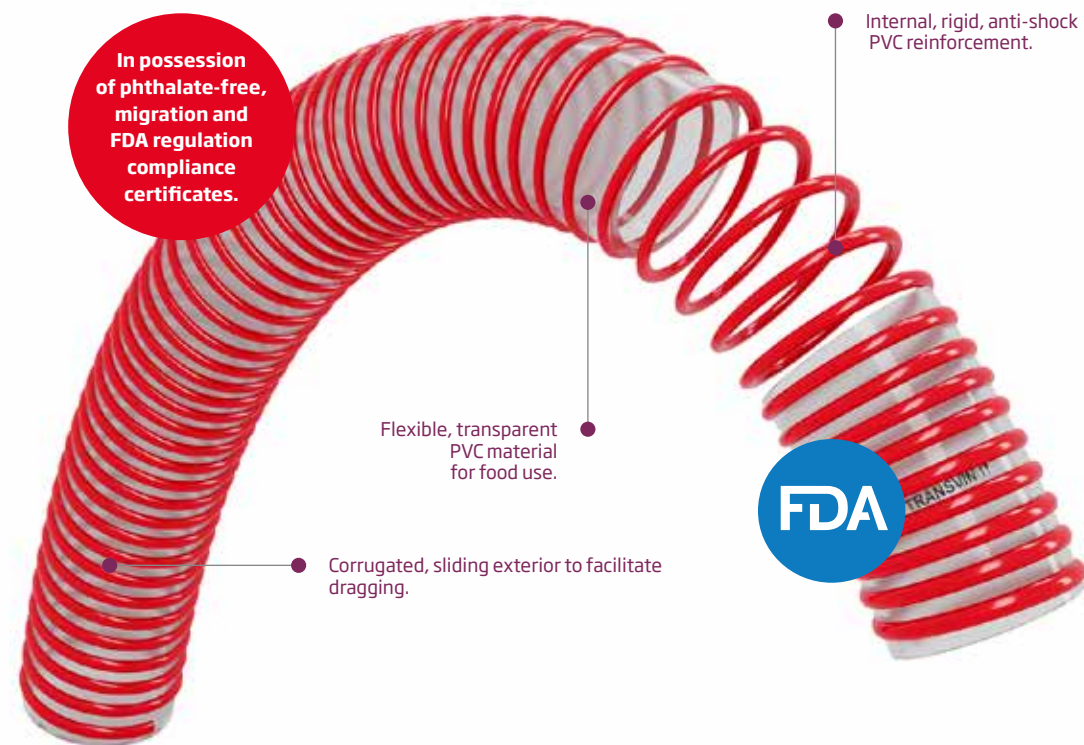
Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

Transvin® Phthalates Free Sliding

Phthalate-free PVC hose for transferring and transporting wine, alcoholic liquid foods (50% vol.), and milk products and their by-products. Manufactured in accordance with European legislation on raw materials for non-fatty food use. The hose's exterior is corrugated, with a rigid, sliding spiral to facilitate dragging.

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.



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.



FOOD
USE



TANKER
TRUCK



MILK PRODUCT
TRANSPORT



WINE
TRANSPORT



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba



PHthalate-FREE

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
25	1"	3.5	390	8	24	125	9
30	1" 1/8	4	480	8	24	150	9
32	1" 1/4	4	500	8	24	160	9
35	1" 3/8	4.2	580	8	24	175	9
38	1" 1/2	4.2	670	8	24	190	9
40	1" 5/8	4.3	685	8	24	200	9
45	1" 3/4	4.5	850	8	24	225	9
51	2"	5	1020	8	24	250	9
55	2" 1/8	5	1190	7	21	275	9
60	2" 1/32	5.2	1260	7	21	300	9
63	2" 1/2	5.6	1320	7	21	310	9
70	2" 3/4	5.8	1615	6	18	350	9
76	3"	5.8	1700	6	18	375	9
80	3" 1/8	6	1870	5	15	400	9
90	3" 1/2	6.5	2156	5	15	450	9
102	4"	7	2680	4	12	500	9
110	4" 5/16	7.3	3060	4	12	550	9
120	4" 3/4	7.4	3320	4	12	600	9
127	5"	7.6	3485	4	12	625	9
152	6"	8.5	5355	3	9	760	9

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

Transvin® Superelastic Phthalates Free

Pipe with smooth outer surface, manufactured by coextrusion of vinyl compounds, according to the UNE EN ISO 3994 standard, in crystal color transparent with a red spiral, practically non-deformable and anti-shock, which gives it great consistency.

Applications

- ▶ Transfer of wines, musts, beers, vinegars, cognac and alcohols up to 50°.
- ▶ Suction and discharge of food products, including oils and dairy products.

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

Internal, rigid, anti-shock PVC reinforcement.

Flexible, transparent PVC material for food use.

Corrugated, sliding exterior to facilitate dragging.



Features

- Formulation is free of phthalates, which allows use with alcoholic liquids up to 50°, as well as with fatty food liquids such as oils and dairy products.
- Free of anisoles and halophenols, so it does not add strange odors or flavors to the liquid that circulates inside it..
- The inner surface of the tube is smooth, which prevents the formation of sediments and facilitates tube sterilization work.
- It resists atmospheric agents and various chemical products.
- The recommended temperature for use is between -15°C and 60°C.



FOOD USE



TANKER TRUCK



MILK PRODUCT TRANSPORT



WINE TRANSPORT



HIGH QUALITY CONTROL



FREE FROM Cd / Pb / Ba



PHthalate-FREE

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
40	1" ½	4,3	685	8	24	160	9
51	2"	5,0	1020	8	24	200	9
60	2" ½	5,2	1260	7	21	240	9
70	2" ¾	5,8	1615	6	18	280	9
80	3" ¼	6,0	1870	5	15	360	9
102	4"	7,2	2700	4	12	400	9
120	5"	7,4	3320	4	12	480	9

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

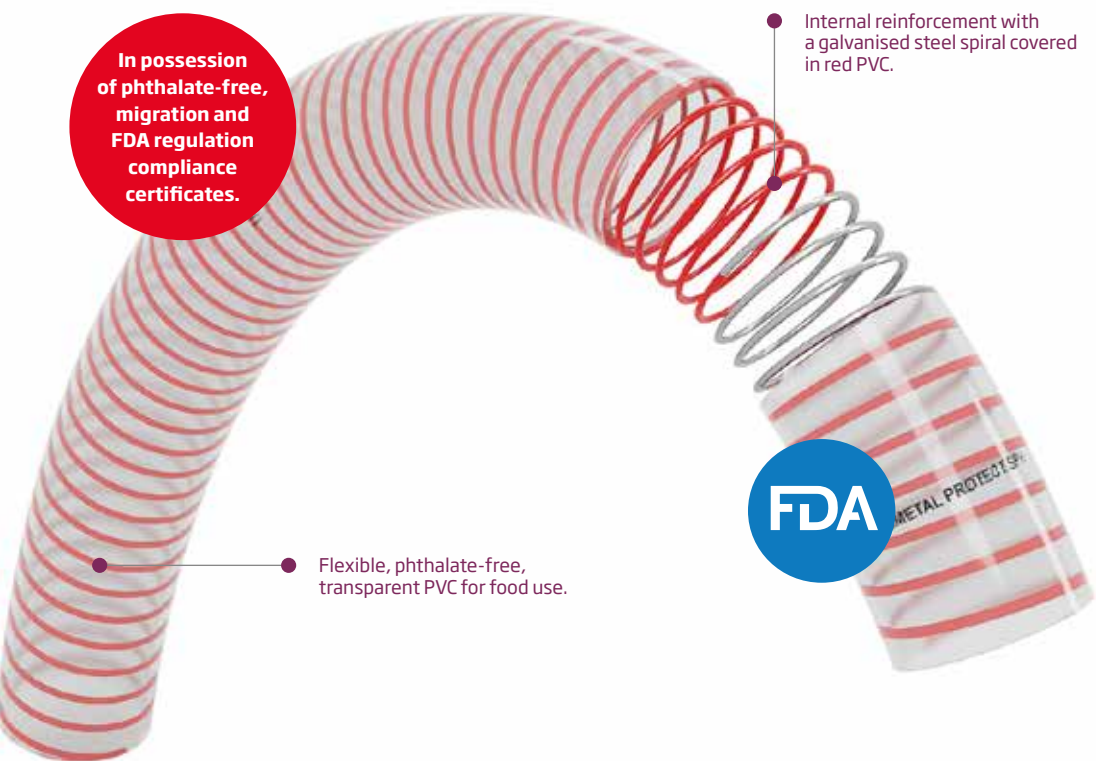


Transmetal® Protect

Hose manufactured by co-extrusion of vinyl compounds, internally reinforced with a galvanised steel spiral covered in red PVC.

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, alcohols up to 50% vol. and milk products.



Features

- For industrial use and food use in accordance with European regulations EC 1935/2004 and EU 10/2011.
- Made of flexible, phthalate-free, transparent PVC.
- The hose wall is smooth, both inside and outside.
- Hose with good chemical resistance associated with PVC's usual properties.
- Good resistance to pressure and vacuum when suctioning.
- Recommended temperature for use between -20°C and 60°C.



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
25	1"	4.0	480	9	27	50	9
32	1" 1/4	4.2	622	9	27	65	9
40	1" 5/8	4.8	950	9	27	80	9
51	2"	5.4	1300	7	21	100	9
60	2" 1/32	6.0	1750	6	18	120	9
70	2" 3/4	6.1	2100	5	15	140	9
80	3" 1/8	6.5	2500	4	12	120	9

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

Transmetal[®] 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.

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.

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

Internal reinforcement with galvanised steel spiral.

Flexible, transparent, phthalate-free PVC material for food use.

FDA

Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011. (See declaration of conformity).
- 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.



INDUSTRIAL
USE



FOOD
USE



AGRICULTURAL
USE



NAUTICAL
USE



WINE
TRANSPORT



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba



PHTHALATE-FREE

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
10	3/8"	3.1	180	9	27	20	9
12	1/2"	3.1	190	9	27	20	9
13	1/2"	3.1	210	9	27	26	9
14	5/8"	3.1	230	9	27	28	9
16	5/8"	3.1	260	9	27	32	9
20	3/4"	3.5	340	9	27	40	9
22	7/8"	3.5	400	9	27	44	9
25	1"	4	520	9	27	50	9
30	1" 1/8	4.2	630	9	27	60	9
32	1" 1/4	4.2	660	9	27	64	9
35	1" 3/8	4.3	750	9	27	70	9
38	1" 1/2	4.5	800	9	27	76	9
40	1" 5/8	4.8	950	9	27	80	9
42	1" 3/4	4.8	1040	9	27	84	9
45	1" 3/4	4.9	1150	9	27	90	9
51	2"	5.4	1300	7	21	100	9
55	2" 1/8	5.4	1460	6	18	110	9
60	2" 1/32	6	1750	6	18	120	9
63	2" 1/2	6.1	1800	6	18	125	9
70	2" 3/4	6.1	2100	5	15	140	9
76	3"	6.5	2250	5	15	150	9
80	3" 1/8	6.5	2500	4	12	160	9
90	3" 1/2	7	2900	4	12	180	9
102	4"	7	3650	3	9	200	9
110	4" 5/16	7.2	3950	3	9	220	9
120	4" 3/4	8	4300	3	9	240	9
127	5"	8	4600	3	9	250	9
152	6"	10	6600	2.5	7	300	9

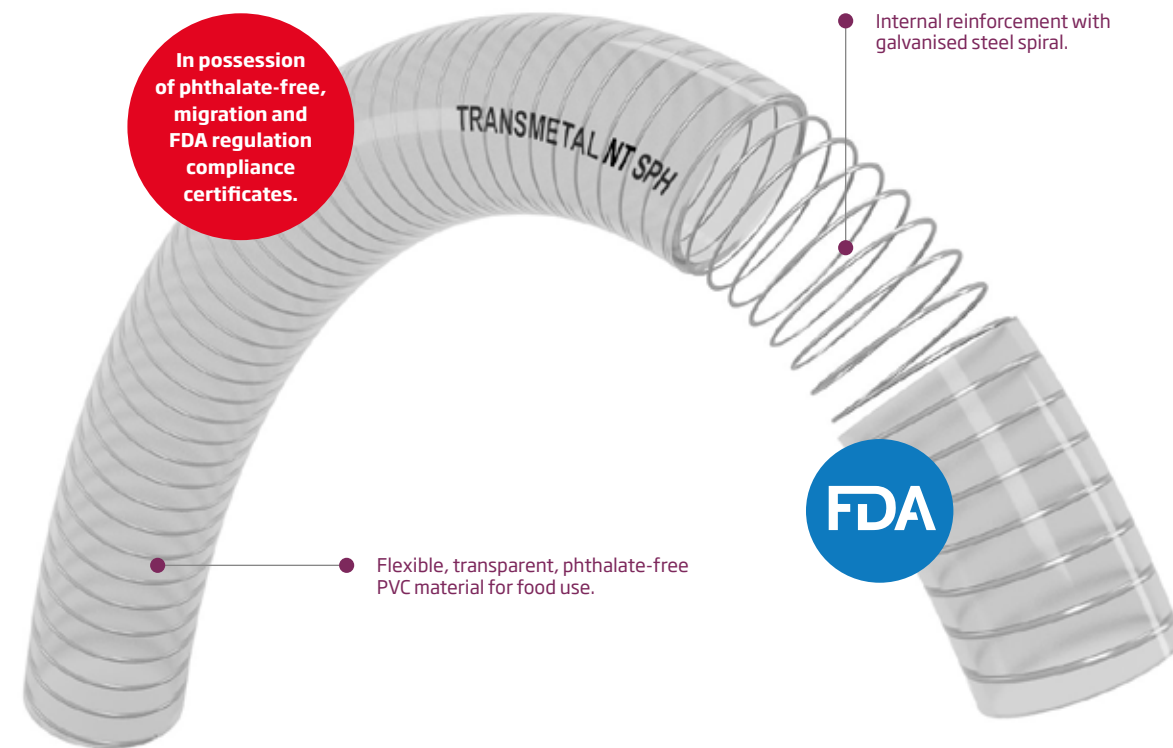
Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

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.

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.



Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011. (See declaration of conformity).
- 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.



INDUSTRIAL
USE



FOOD
USE



AGRICULTURAL
USE



NAUTICAL
USE



WINE
TRANSPORT



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba



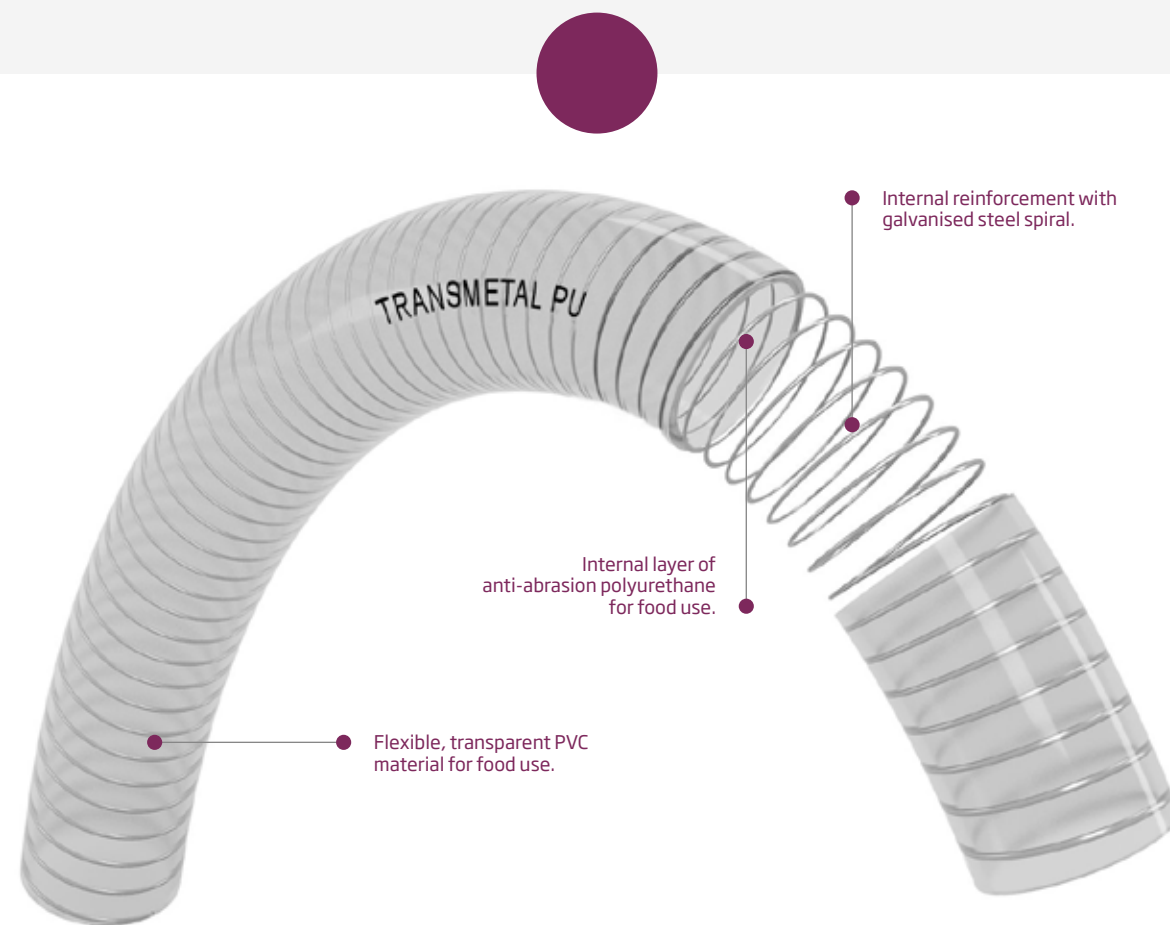
PHthalate-FREE

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

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

Transmetal® PU

Flexible, transparent PVC hose, reinforced with a galvanised steel spiral and an internal polyurethane layer.



Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- Highly resistant to abrasion, thanks to its internal polyurethane layer of 0.5 mm.
- Good resistance to pressure and vacuum when suctioning.
- The hose wall is smooth, both inside and outside.
- Good chemical resistance associated with PU's resistance chart.
- Recommended temperature for use between -20°C and 70°C.



Applications

- Transport of pneumatic, hydraulic and chemical liquids. For transferring air, plastic chippings, alcoholic liquids up to 20% vol., liquid foods that require food simulants A, B and C in OM2 conditions according to Regulation EU 10/2011.
- Vacuum pumps. Facilities that require great flexibility.
- Cleaning machinery (sewage, sediments, muds, etc.).
- Cleaning of pipelines.

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
40	1" 5/8	4.8	950	9	27	80	9
45	1" 3/4	4.9	1150	9	27	90	9
51	2"	5.4	1300	7	21	100	9
55	1" 1/8	5.4	1460	6	18	110	9
60	2" 1/32	6	1750	6	18	120	9
63	2" 1/2	6.1	1900	5	15	130	9
70	2" 3/4	6.1	2100	5	15	140	9
76	3"	6.5	2250	5	15	150	9
80	3" 1/8	6.5	2500	4	12	160	9
90	3" 1/2	7	2900	4	12	180	9
102	4"	7	3650	3	9	200	9
102	4"	7.2	3850	3	9	210	9
110	4" 5/16	7.2	3950	3	9	220	9
120	4" 3/4	8	4300	3	9	240	9
127	5"	8	4600	3	9	250	9
152	6"	10	6600	2.5	7	300	9

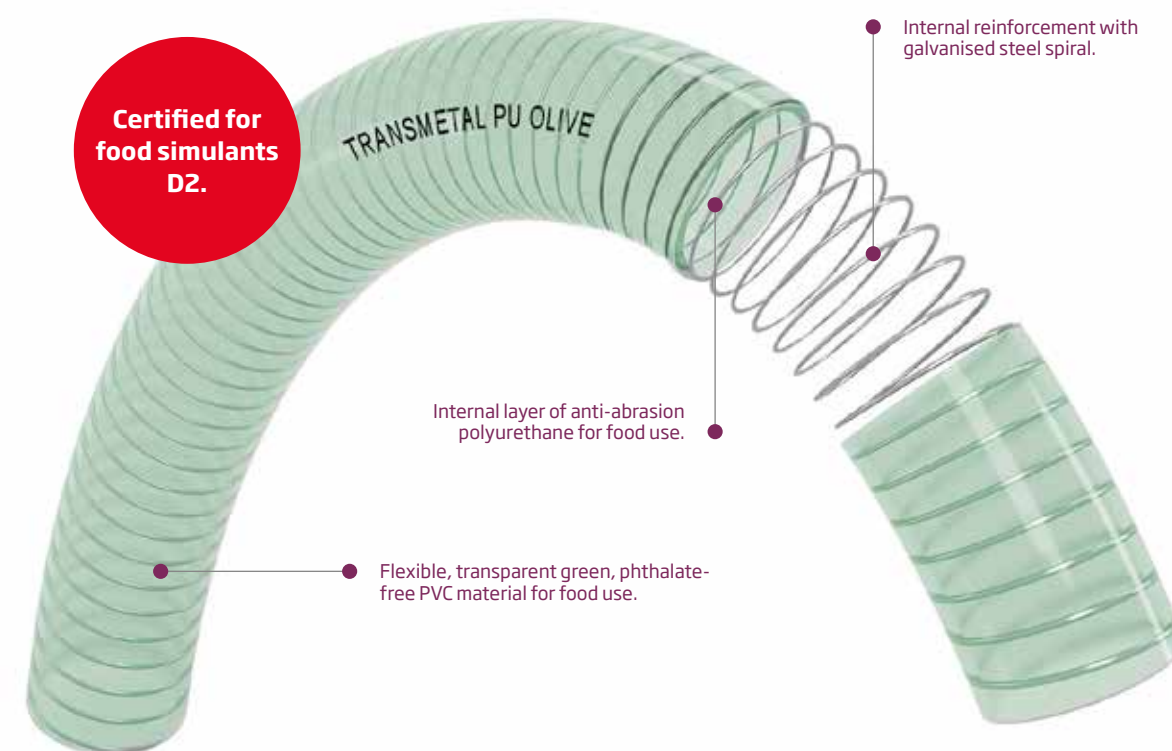
Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

Transmetal® PU Olive Oil

Flexible, phthalate-free PVC hose, reinforced with a galvanised steel spiral and an internal, polyester-base, polyurethane layer.

Applications

- ▶ Transporting and transferring vegetable oils (olive, sunflower, soya, etc.) and those liquid foods that require food simulant D2 in accordance with Regulation EU 10/2011.



Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011. (See declaration of conformity).
- Highly resistant to abrasion, thanks to its internal polyurethane layer of 0.5 mm.
- Good resistance to pressure and vacuum when suctioning.
- The hose wall is smooth, both inside and outside.
- Good chemical resistance associated with PU's resistance chart.
- Recommended temperature for use between -20°C and 80°C.



ANTISTATIC



MADE FROM
POLYURETHANE



ANTI-ABRASION



HIGH QUALITY
CONTROL



STEEL SPIRAL



PHTHALATE-FREE

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
40	1" 5/8	4.8	950	9	27	80	9
45	1" 3/4	4.9	1150	9	27	90	9
51	2"	5.4	1300	7	21	100	9
55	2" 1/8	5.4	1460	6	18	110	9
60	2" 1/32	6	1750	6	18	120	9
63	2" 1/2	6.1	1900	5	15	130	9
70	2" 3/4	6.1	2100	5	15	140	9
76	3"	6.5	2250	5	15	150	9
80	3" 1/8	6.5	2500	4	12	160	9
90	3" 1/2	7	2900	4	12	180	9
102	4"	7	3650	3	9	200	9
110	4" 5/16	7.2	3950	3	9	220	9
120	4" 3/4	8	4300	3	9	240	9
127	5"	8	4600	3	9	250	9
152	6"	10	6600	2.5	7	300	9

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

Espirofood® PU

Flexible, phthalate-free PVC hose, reinforced with a rigid, anti-shock PVC spiral and an internal, polyester-base, polyurethane layer.

Applications

- Pumping and suction of liquid foods that require food simulant D2 in OM2 conditions in accordance with Regulation EU 10/2011.

Certified for food simulants D2.

Internal, rigid, anti-shock PVC spiral reinforcement.

Internal layer of polyurethane for food use.

Flexible, transparent green, phthalate-free PVC material for food use.

Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- Internal layer of polyurethane for food use, which grants it anti-abrasion characteristics.
- The hose wall is smooth, both inside and outside.
- Good chemical resistance associated with PU's resistance chart.
- Recommended temperature for use between -20°C and 80°C.



MADE FROM
POLYURETHANE



ANTI-ABRASION



HIGH QUALITY
CONTROL



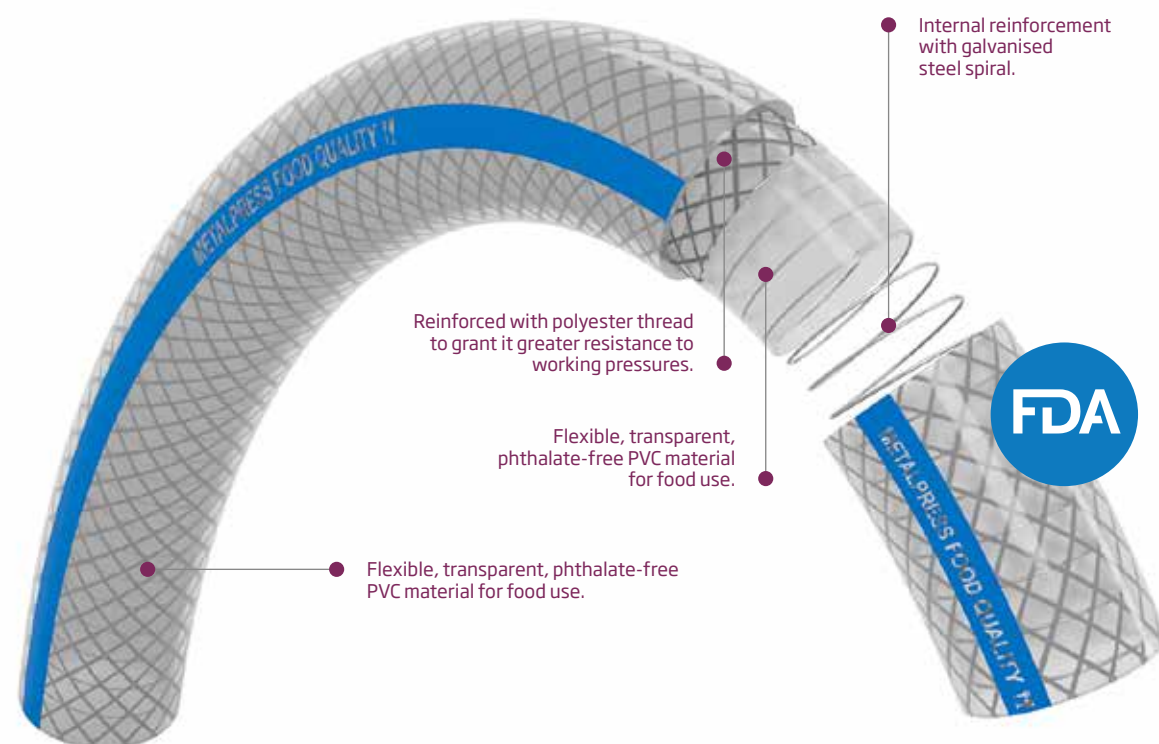
PHTHALATE-FREE

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
25	1"	4.5	458	5	16	125	9
30	1" 1/8	4.5	555	5	16	150	9
35	1" 3/8	4.5	640	5	16	175	9
40	1" 5/8	5.0	722	5	16	200	9
45	1" 3/4	5.5	850	5	16	225	9
51	2"	5.5	1020	5	16	250	9
60	2" 1/4	5.5	1360	5	16	300	9
63	1" 1/2	5.5	1450	5	16	325	9
70	2" 3/4	6.0	1600	5	16	350	9
76	3"	6.5	1700	5	16	375	9
80	3" 1/8	7.0	1870	4	12.5	400	9
90	3" 1/2	7.5	2210	4	12.5	450	9
102	4"	8.0	2800	3	9.5	500	9
110	4" 5/16	8.5	3060	3	9.5	550	9

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

Metalpress® Food

Phthalate-free PVC hose with double reinforcement - textile and metal spiral - for suction and transfer of liquid foods and alcoholic liquids (50% vol.), in addition to milk products.



Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- 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

- ▶ 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.
- ▶ Irrigation systems, cleaning of large containers and industrial equipment in general.

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
19	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

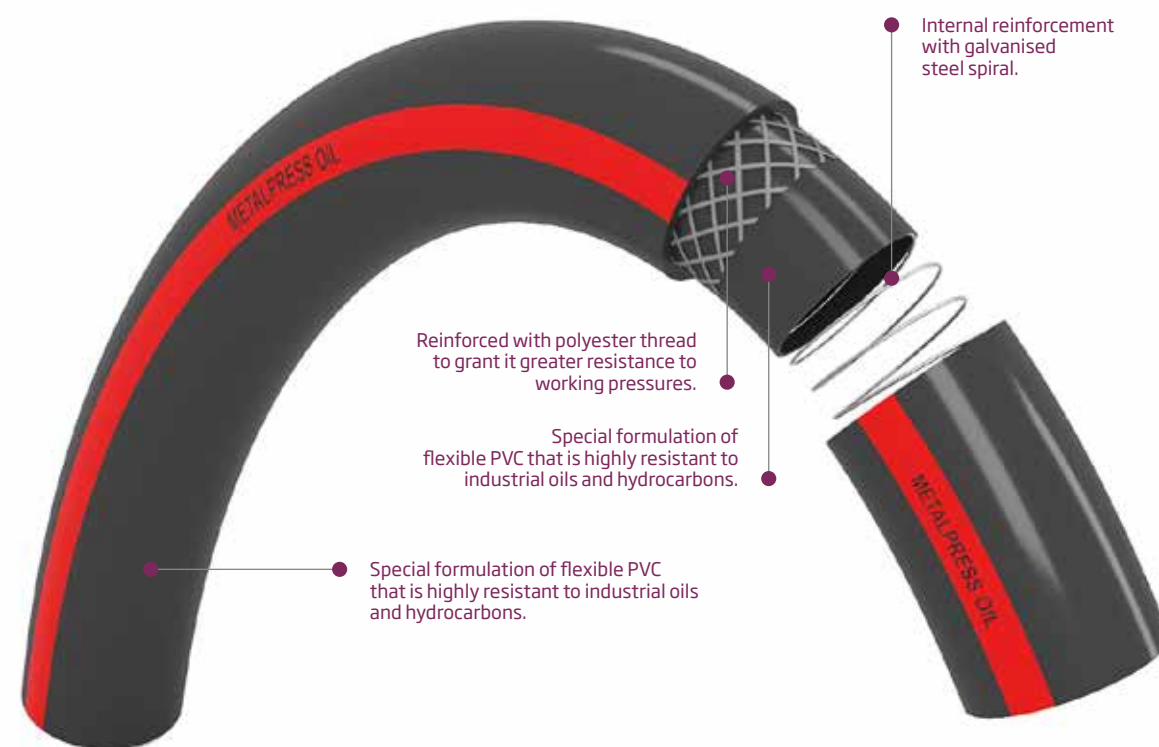
Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

Metalpress® Oil

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

Applications

► Suction and transfer of hydrocarbons and industrial oils.



Features

- For industrial use.
- Special formulation for industrial oils and hydrocarbons (diesel, gasoline, etc.).
- 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 -20°C and 70°C.



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 H ₂ O
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

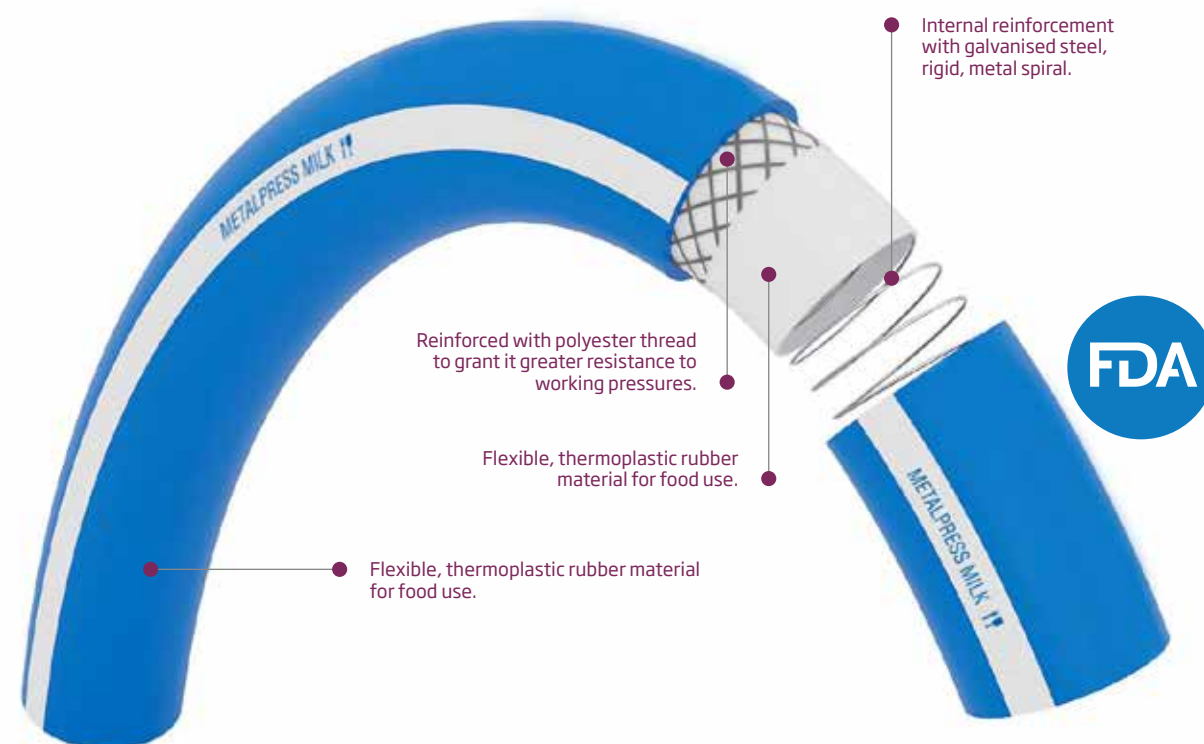
Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

Metalpress® Milk

Thermoplastic rubber (TPV) hose with double reinforcement - textile and metal spiral - for suction and transfer of fatty liquid foods. Designed especially for milk products. Can be sterilised at 90°C.

Applications

- ▶ Transfer of potable water, liquid milk products and those that are coherent with the declaration of conformity.



Features

- For food use according to FDA 21 CFR section 177.2600 and ANSI/NSF Standard 51: "Food Equipment". Materials" and NSF/ANSI Standard 61: "Drinking Water System Components" (see declaration of conformity).
- Very flexible, even at low temperatures.
- Hose with good chemical resistance to chemical products, associated with TPV's resistance chart.
- Recommended temperature for use between -30°C and 90°C.



FOOD
USE



INDUSTRIAL
USE



MILK PRODUCT
TRANSPORT



HIGH QUALITY
CONTROL



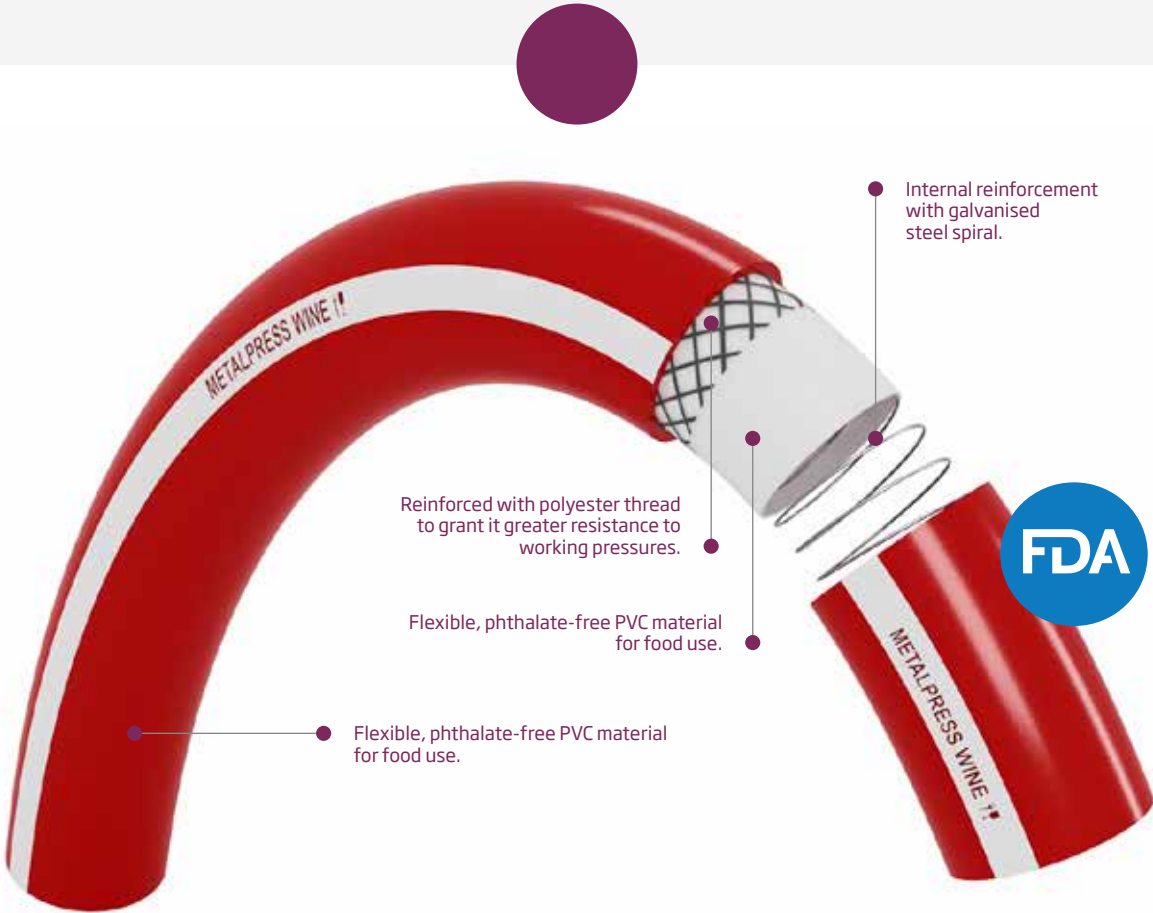
FREE FROM
Cd / Pb / Ba

INT Ø mm	INT Ø in	EXT Ø mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	VACUUM m H ₂ O
20	3/4"	28	543	16	48	55	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	2" 1/2	77	2100	12	36	190	9
76	3"	92	2900	12	36	210	9
80	3" 1/8	97	3150	12	36	230	9
90	3" 1/2	107	3500	10	30	250	9
102	4"	119	4000	10	30	300	9

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

Metalpress® Wine

Phthalate-free PVC hose with double reinforcement - textile and metal spiral - for suction and transfer of liquid foods and alcoholic liquids (50% vol.), in addition to milk products. Especially designed for the pumping and suction of musts, wines, beers and liqueurs. Version available with resistance up to 90°C.



Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- 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 (optional version of up to 90°C).



INDUSTRIAL
USE



FOOD
USE



WINE
TRANSPORT



HIGH QUALITY
CONTROL



PHthalate-FREE



FREE FROM
Cd / Pb / Ba

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.
- ▶ Emptying wine tanks.

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	3/4"	28	543	16	48	55	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	2" 1/2	77	2100	12	36	190	9
76	3"	92	2900	12	36	210	9
80	3" 1/8	97	3150	12	36	230	9
90	3" 1/2	107	3500	10	30	250	9
102	4"	119	4000	10	30	300	9

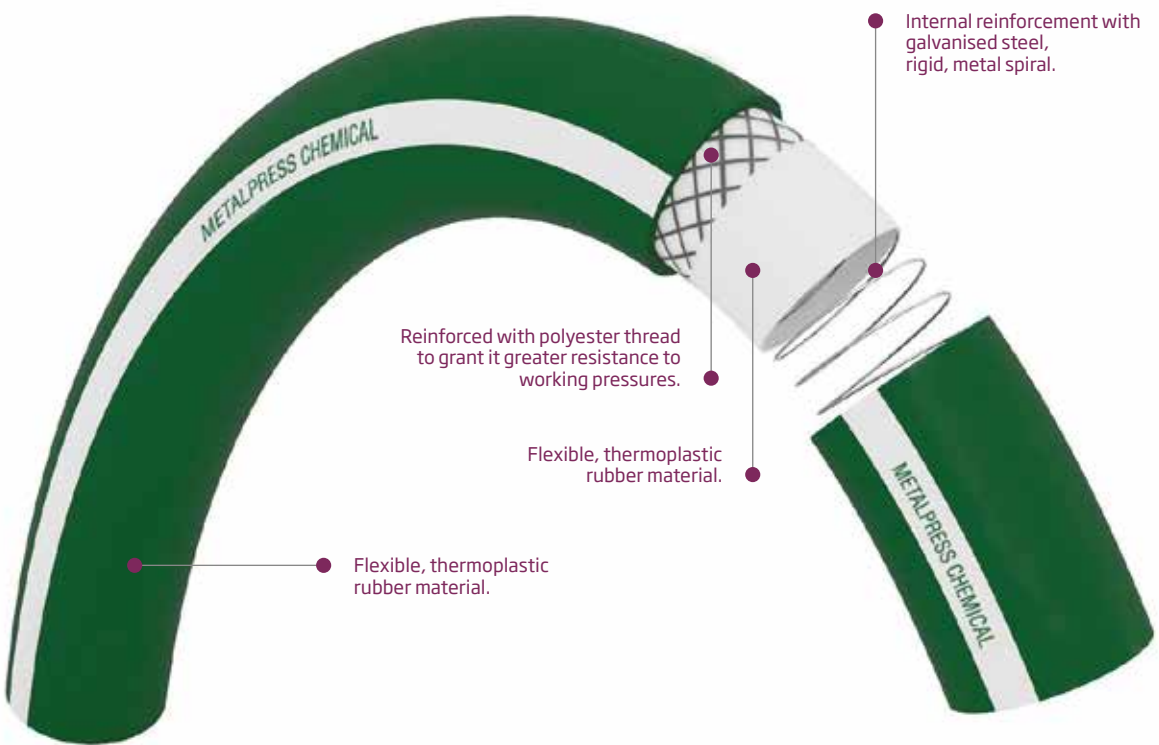
Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

Metalpress® Chemical

Thermoplastic rubber (TPV) hose with double reinforcement
- textile and metal spiral - for suction and transfer of products in
the chemical industry (see chemical resistance chart).

Applications

► Transfer of chemical products, associated with TPV's
resistance chart.



Features

- Industrial use.
- Very flexible, even at low temperatures.
- Hose with good chemical resistance to chemical products, associated with TPV's resistance chart.
- Recommended temperature for use between -25°C and 80°C.



INDUSTRIAL
USE



HIGH QUALITY
CONTROL



PHthalate-FREE



FREE FROM
Cd / Pb / Ba

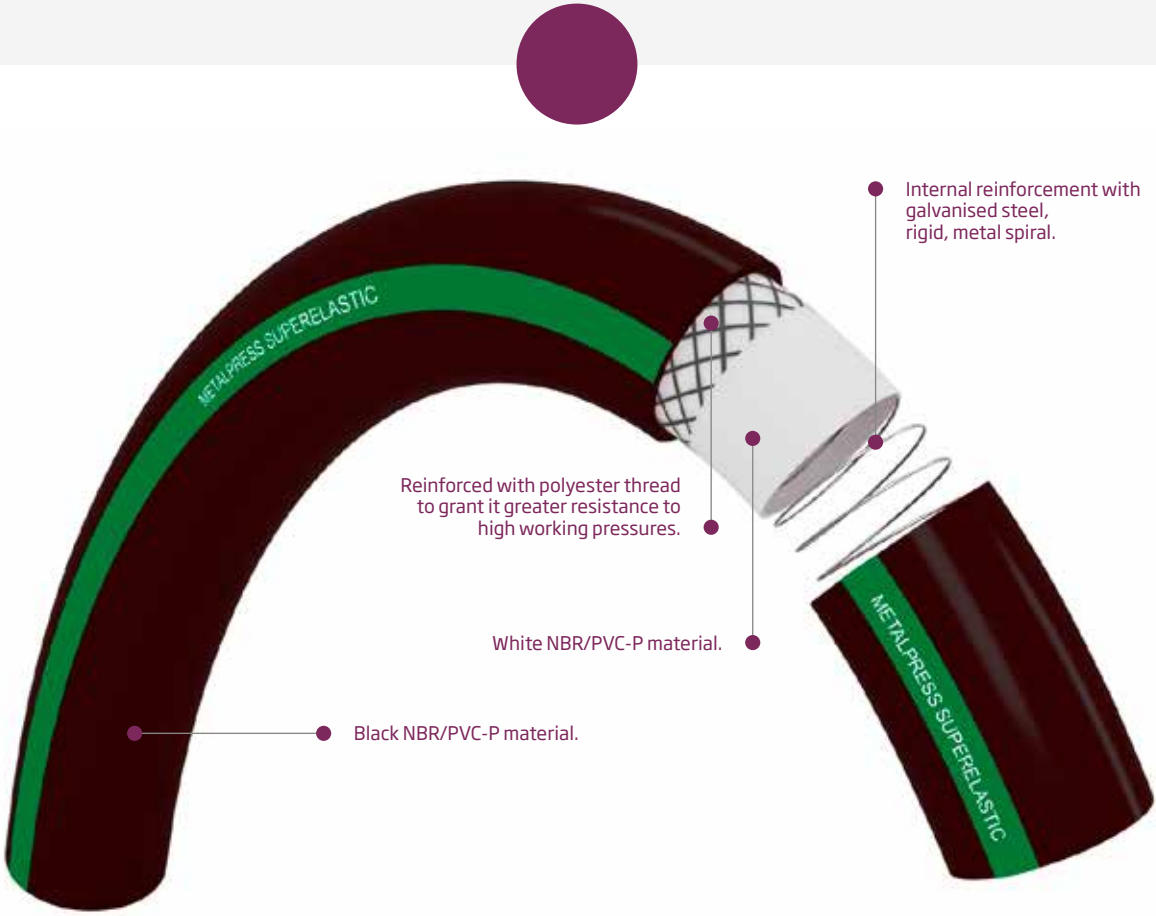
INT Ø mm	INT Ø in	EXT Ø mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	VACUUM m H ₂ O
20	3/4"	28	543	16	48	55	9
25	1"	35	680	48	70	70	9
32	1" 1/4	42	800	48	80	80	9
35	1" 3/8	47	1100	42	115	115	9
38	1" 1/2	51	1200	42	125	125	9
40	1" 5/8	53	1220	42	130	130	9
45	1" 3/4	58	1400	36	140	140	9
51	2"	64	1600	36	150	150	9
60	2" 1/32	74	2000	36	180	180	9
63	2" 1/2	77	2100	36	190	190	9
76	3"	92	2900	36	210	210	9
80	3" 1/8	97	3150	36	230	230	9
90	3" 1/2	107	3150	30	250	250	9
102	4"	119	4000	30	300	300	9

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about
the minimum purchase amounts assigned to non-standard diameters



Metalpress® Superelastic

NBR/PVC hose with double reinforcement - textile and metal spiral - for suction and transfer of liquids in the agricultural sector and industry.



Features

- For agricultural and industrial use.
- Very flexible, even at low temperatures.
- Good chemical resistance associated with PVC's resistance chart.
- Recommended temperature for use between -30°C and 55°C.



INDUSTRIAL
USE



AGRICULTURAL
USE



RUBBER
FEEL



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba

Applications

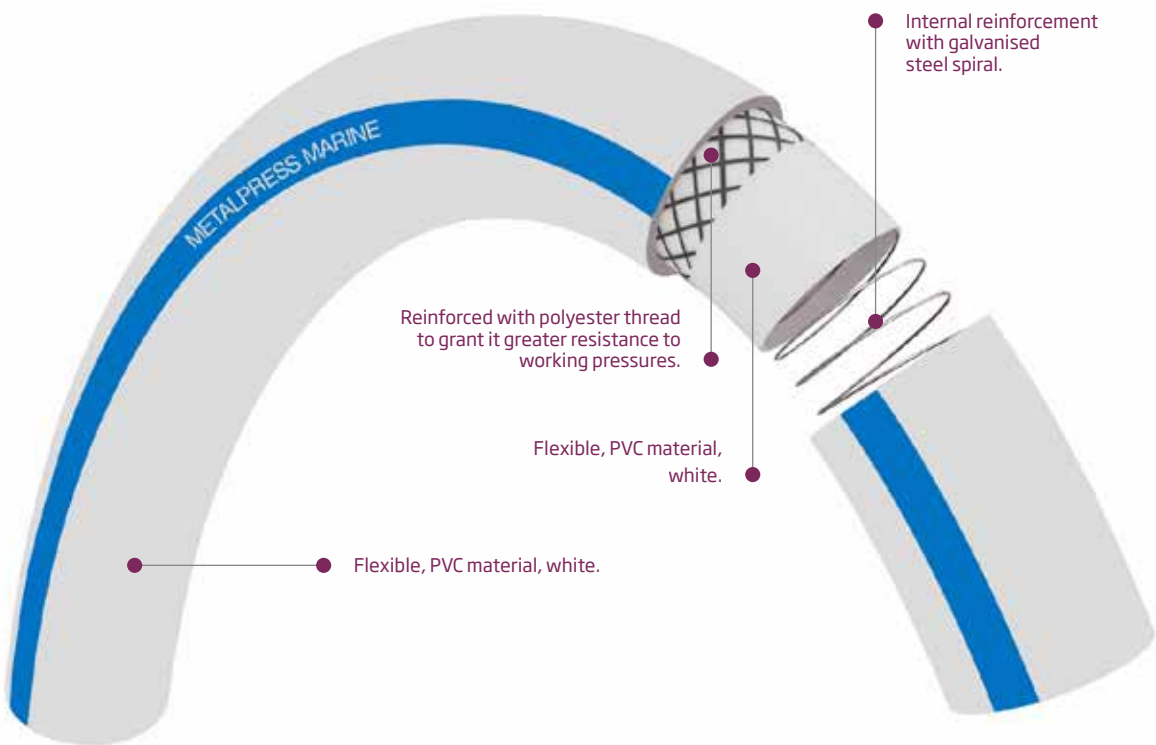
- ▶ Pumping and suction of slurries. Tanker trucks.
- ▶ Transfer of chemical products with a low aggressiveness index.
- ▶ Industrial irrigation.
- ▶ Draining cesspits.
- ▶ Given its highly flexible nature, it is recommended for use in movable tanks.

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	3/4"	28	543	16	48	55	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" 1/32	74	2000	12	36	180	9
63	2" 1/2	77	2100	12	36	180	9
76	3"	92	2900	12	36	210	9
80	3" 1/8	97	3150	12	36	230	9
90	3" 1/2	107	3500	10	30	250	9
102	4"	119	4000	10	30	300	9

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

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.



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.



INDUSTRIAL
USE



HIGH QUALITY
CONTROL



AGRICULTURAL
USE



NAUTICAL
USE



WINE
TRANSPORT



FREE FROM
Cd / Pb / Ba

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
19	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

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.



Fishflex®

Hose for pumping and transferring fish through sea water.
Highly resistant to salt, with a rigid, anti-shock spiral to protect the fish being piped.



Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- Made of flexible, transparent PVC designed especially to withstand sea water.
- 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 60°C.



FOOD
USE



INDUSTRIAL
USE



AGRICULTURAL
USE



RESISTANT TO SEA
SALT



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba

Applications

- ▶ Transfer of fish via sea water pumping.
- ▶ Transfer of liquid food products that require food simulants A, D2/3 in OM3 conditions in accordance with Regulation EU 10/2011.
- ▶ Piping salt water.

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
63	1" 1/2	4.5	1029	6	18	315	9
102	4"	8.5	2900	4	12	500	9
152	6"	11.5	5600	3	9	750	9
203	8"	13.5	9000	2	6	1015	9
254	10"	16	13600	1.5	4.5	1250	9
305	12"	17	19000	1	3	1500	9

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.



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.

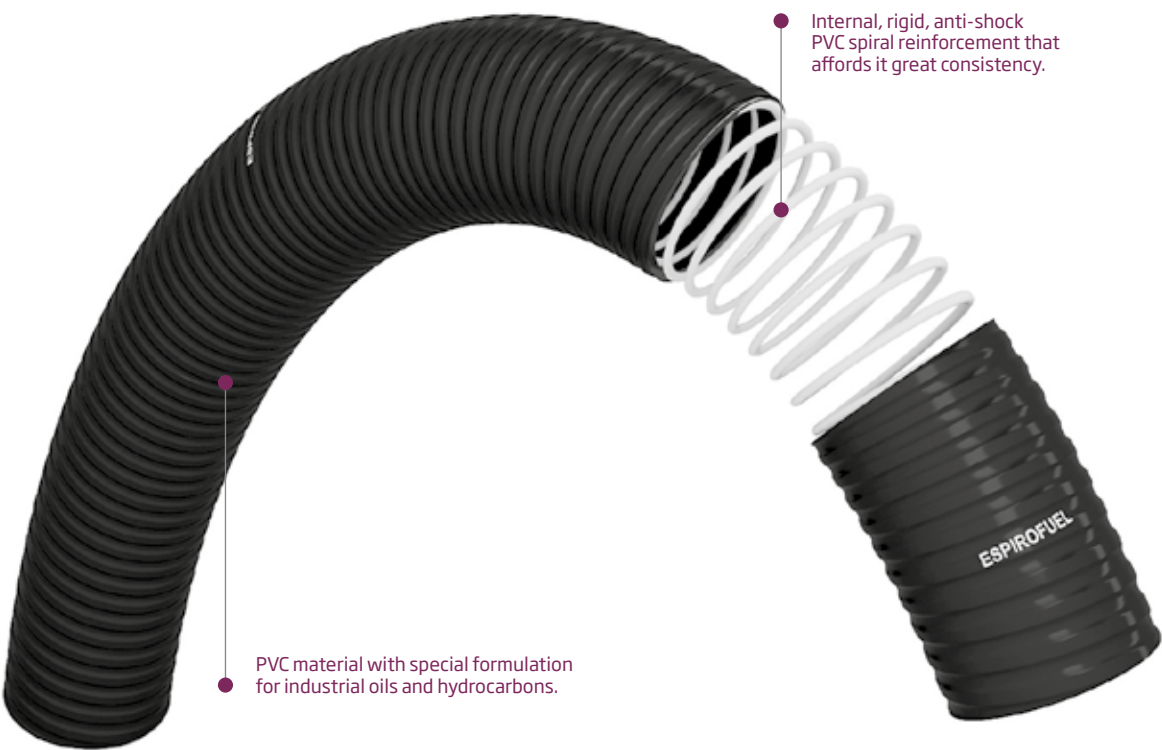
Applications

► Suction and transfer of hydrocarbons and industrial oils.

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ESPIROFUEL®

ESPIROFLEX - MANUFACTURE OF FLEXIBLE HOSES



Internal, rigid, anti-shock PVC spiral reinforcement that affords it great consistency.

PVC material with special formulation for industrial oils and hydrocarbons.

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.



INDUSTRIAL USE



AGRICULTURAL USE



RESISTANT TO HYDROCARBONS



HIGH QUALITY CONTROL



FREE FROM Cd / Pb / Ba

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ESPIROFUEL®

ESPIROFLEX - MANUFACTURE OF FLEXIBLE HOSES



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	3/4"	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

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

Espirofuel® Antiestático

Hose with special stability when dealing with hydrocarbons, gasoline and fuel, which makes it perfect for pumping and suctioning petroleum products and industrial oils. An antistatic product suitable for facilities governed by ATEX regulations.

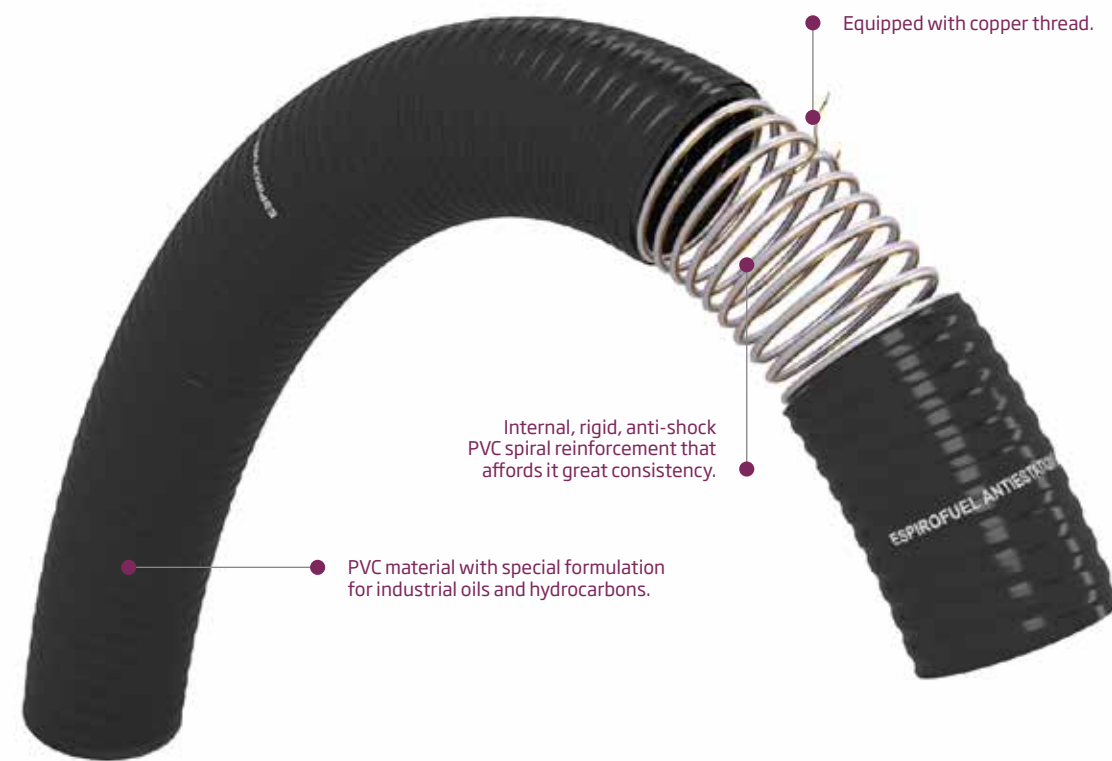
Applications

► Suction and transfer of hydrocarbons and industrial oils.

118

ESPIROFUEL® ANTIESTÁTICO

ESPIROFLEX. MANUFACTURE OF FLEXIBLE HOSES



Features

- For industrial use.
- Special formulation for industrial oils and hydrocarbons, diesel, gasoline, etc.
- Equipped with a copper wire that makes it antistatic.
- 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.



INDUSTRIAL
USE



AGRICULTURAL
USE



RESISTANT TO
HYDROCARBONS



ANTISTATIC



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba

119

ESPIROFUEL® ANTIESTÁTICO

ESPIROFLEX. MANUFACTURE OF FLEXIBLE HOSES



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
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"	7	3610	4	12	700	9

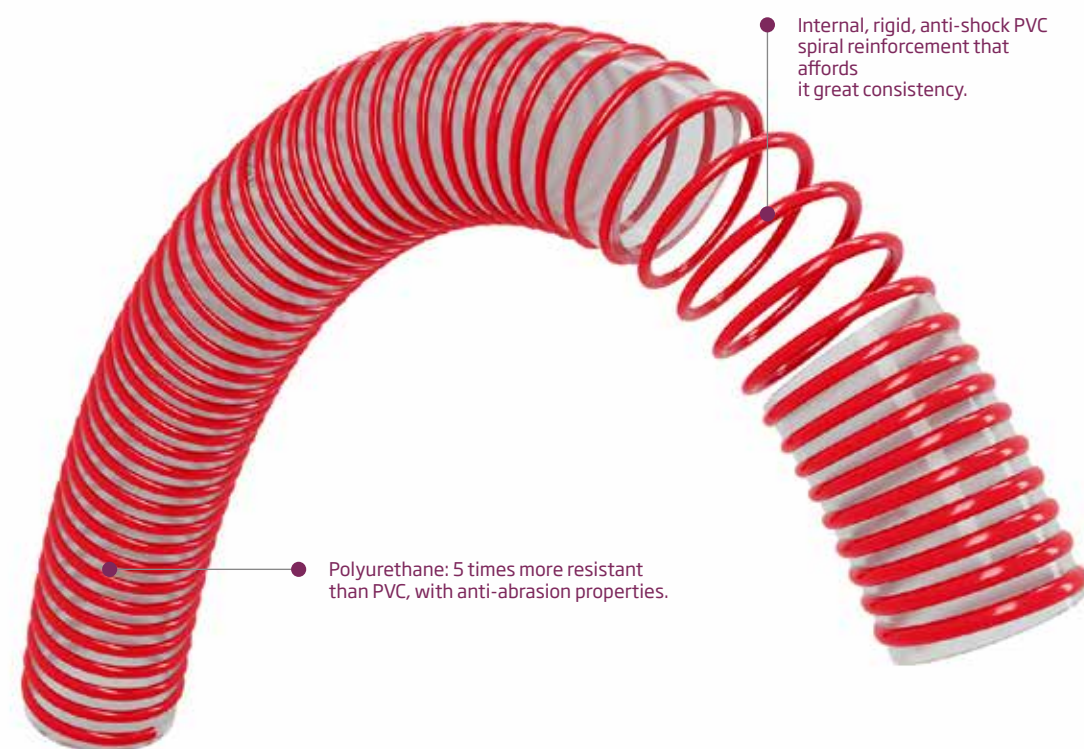
Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters.

Espiroliquid® PU

Pumping and suction polyurethane hose with a PVC spiral for highly abrasive liquids (rebar, mud, sand, etc.). Five times more resistant to abrasion than PVC.

Applications

► Suction of abrasive material.



Internal, rigid, anti-shock PVC spiral reinforcement that affords it great consistency.

Polyurethane: 5 times more resistant than PVC, with anti-abrasion properties.

Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- Smooth internal surface to prevent the formation of sediments on the walls. Corrugated external surface.
- Good chemical resistance associated with PU's resistance chart and very good resistance to hydrolysis.
- Full flexibility (bending radius = internal diameter), which grants this hose great mechanical possibilities. Extremely light.
- Recommended temperature for use between -20°C and 80°C.



FOOD USE



LIGHT



MADE FROM POLYURETHANE



ANTI-ABRASION



SMOOTH INTERIOR



SUCTION



FREE FROM Cd / Pb / Ba



TEMPERATURES -20°C TO 80°C

INT Ø mm	INT Ø in	EXT Ø mm	FLEXIBLE THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	VACUUM m H ₂ O
20	3/4"	27	0.9	194	5	15	9
22	7/8"	29	0.9	200	5	15	9
25	1"	31	0.9	208	5	15	9
30	1" 1/8	38	1.0	320	5	15	9
35	1" 3/8	41	1.0	364	4.5	13.5	9
40	1" 5/8	48	1.0	408	4	12	9
45	1" 3/4	54	1.0	486	3.5	10.5	9
51	2"	59	1.0	582	3	9	9
55	2" 1/8	64	1.1	672	3	9	9
60	2" 1/32	70	1.1	776	3	9	9
63	2" 1/2	73	1.1	884	3	9	9
70	2" 3/4	81	1.1	970	2.5	7.5	9
76	3"	86	1.1	1068	2.5	7.5	9
80	3" 1/8	92	1.1	1164	2.5	7.5	9
90	3" 1/2	102	1.2	1358	2	6	9
102	4"	113	1.2	1552	2	6	9
110	4" 5/16	123	1.2	1920	2	6	9
127	5"	143	1.2	2548	1.5	4.5	9
140	5" 1/2	157	1.5	3150	1	3	9
152	6"	170	1.5	3440	1	3	9

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

Espiroseeder®

Flexible PVC hose, reinforced with a rigid, anti-shock PVC spiral equipped with antistatic material.



Rigid, anti-shock PVC spiral that grants the hose consistency.

Flexible PVC with antistatic properties.
*Available with interior in PU.

Features

- For industrial and agricultural use.
- Flexible, translucent PVC with a special formulation of low, superficial electrical resistivity, which grants the hose antistatic properties. ($10^9 < K.I. < 10^{11} \Omega.m$).
- The hose wall surface is smooth, both inside and outside.
- Good chemical resistance associated with PVC's resistance chart.
- Recommended temperature for use between -20°C and 60°C.



INDUSTRIAL
USE



AGRICULTURAL
USE



SMOOTH
INTERIOR



PVC
SPIRAL



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba



ANTISTATIC

Applications

- ▶ Pumping of seeds in sowing machines.
- ▶ Pumping and suction of liquids in applications where the hose must have antistatic properties.
- ▶ Available with interior in PU.

INT Ø mm	INT Ø in	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	BURSTING PRESSURE bar	BENDING RADIUS mm	VACUUM m H ₂ O
30	36	3.0	385	4	12	60	9
32	38	3.0	400	4	12	60	9
35	42	3.5	525	4	12	70	9
40	47	3.5	600	4	12	70	9
45	53	4.0	775	4	12	70	9

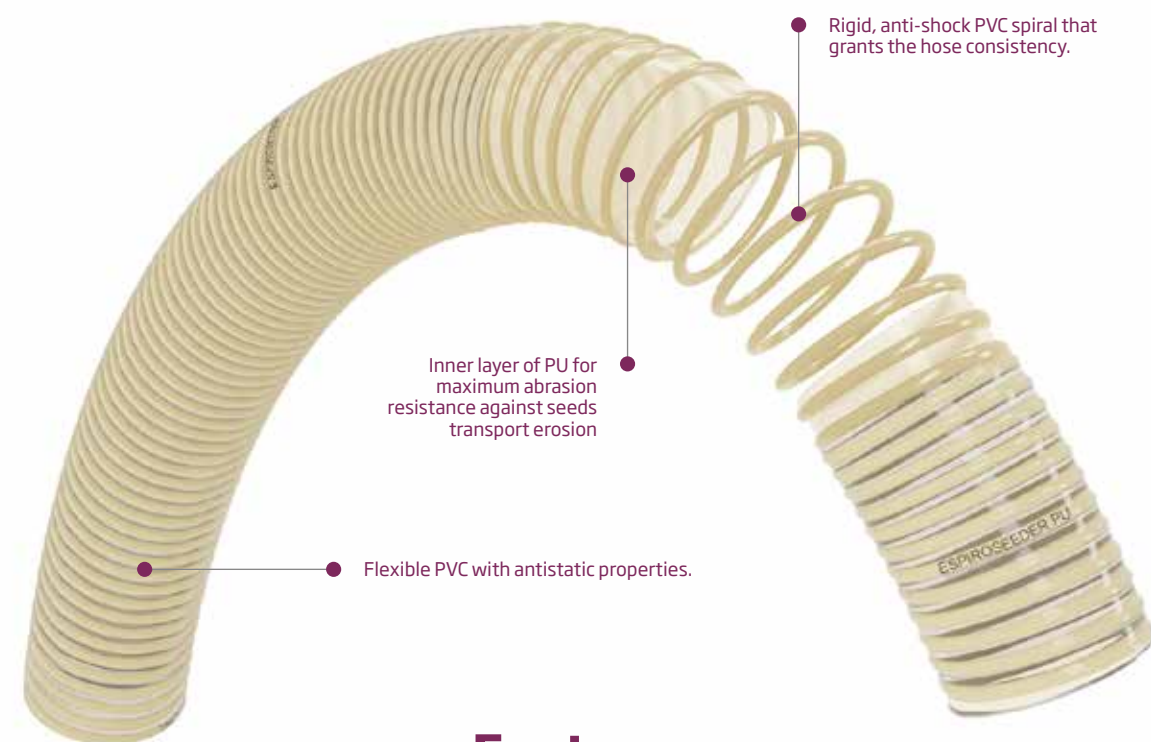
Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

Espiroseeder® PU

Flexible PVC hose, reinforced with a rigid, anti-shock PVC spiral equipped with antistatic material and inner layer of PU for maximum abrasion resistance against seeds transport erosion.

Applications

- ▶ Pumping of seeds in sowing machines.
- ▶ Pumping and suction of liquids in applications where the hose must have antistatic properties.



Features

- For industrial and agricultural use.
- Flexible, translucent PVC with a special formulation of low, superficial electrical resistivity, which grants the hose antistatic properties. ($10^9 < K.I. < 10^{11} \Omega.m$).
- Interior PU liner.
- The hose wall surface is smooth, both inside and outside.
- Good chemical resistance associated with PVC's resistance chart.
- Recommended temperature for use between -20°C and 60°C.



INDUSTRIAL
USE



AGRICULTURAL
USE



SMOOTH
INTERIOR



PVC
SPIRAL



HIGH QUALITY
CONTROL



MADE FROM
POLYURETHANE



FREE FROM
Cd / Pb / Ba



ANTISTATIC

INT Ø mm	INT Ø in	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	BURSTING PRESSURE bar	BENDING RADIUS mm	VACUUM m H ₂ O
30	36	3.0	385	4	12	60	9
32	38	3.0	400	4	12	60	9
35	42	3.5	525	4	12	70	9
40	47	3.5	600	4	12	70	9
45	53	4.0	775	4	12	70	9

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

Air

130 Poliuretano Flex® 0.4 ET	132 Poliuretano Flex® BS 0.4 EST	134 Poliuretano Flex® BS 0.4 EST	136 Poliuretano Flex® M 0.7 ET
138 Poliuretano Flex® RD 0.7 EST	140 Poliuretano Flex® H 1.1 ET	142 Poliuretano Flex® H 1.1 EST	144 Poliuretano Flex® HD 1.6 ET
146 Poliuretano Flex® HD 1.6 EST	148 Poliuretano Flex® Rock 2.0 EST	150 Poliuretano Flex® Rock 2.5 EST	152 Espiro® PU ET
154 Espiro® PU EST	156 Espiro® PU Antiestático	158 Espiroair®	160 Espiroair® Antiestático
162 Espiroair® Oil	164 Espiroair® UL94 VO	166 Vacumflex®	168 Extraflex®

Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features.



170
Espiroreno®



172
Superflex Air®



174
Thermoflex®



176
Espirosilicone®



178
EspiroEVA®



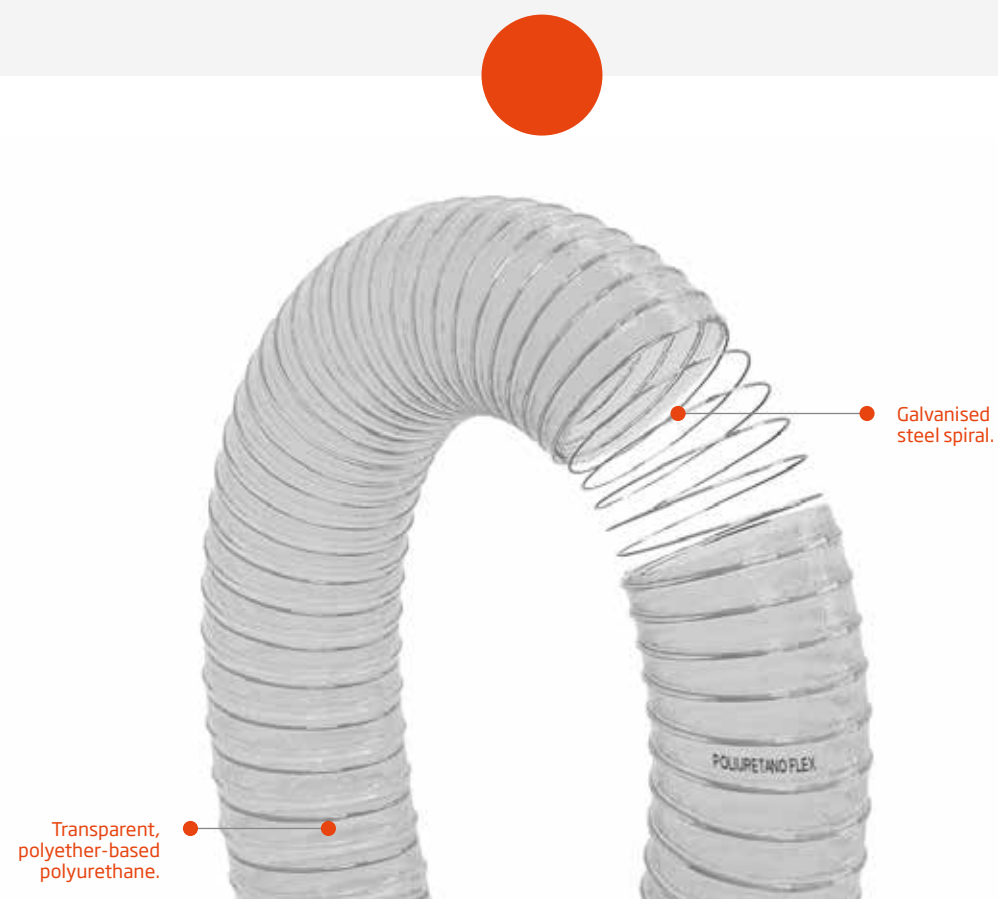
Poliuretano Flex®

0.4 ET

Flexible, transparent, polyether-based polyurethane hose and an internal, antistatic, galvanised steel spiral that is suitable for facilities governed by ATEX regulations for the suction of abrasion products.

Applications

- ▶ Suction of abrasive content, gases from oils, smoke, sawdust, vapours, etc. in addition to food products that require food simulant E in OM2 conditions in accordance with Regulation EU 10/2011.



Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- Highly flexible and resistant to abrasion, humidity and microorganisms.
- Good chemical resistance associated with PU's resistance chart.
- Withstands temperatures between -40°C and 90°C.
- Option of manufacture with polyester base subject to request.
- The product is compacted when supplied.



INDUSTRIAL
USE



FOOD
USE



SUCTION



MADE FROM
POLYURETHANE



ANTI-ABRASION



ANTISTATIC

INT Ø mm	INT Ø in	FLEXIBLE THICKNESS mm	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
40	1" 5/8	0,4	200	20	5.0
45	1" 3/4	0,4	225	22	5.0
51	2"	0,4	250	25	4.0
60	2" 1/4	0,4	300	30	3.0
63	2" 1/2	0,4	315	31	3.0
70	2" 3/4	0,4	335	35	2.0
76	3"	0,4	340	38	1.5
80	3" 1/8	0,4	360	40	1.5
90	3" 1/2	0,4	380	45	1.5
102	4"	0,4	450	50	1.5
110	4" 5/16	0,4	520	55	1.5
120	4" 3/4	0,4	560	60	1.5
127	5"	0,4	590	62	1.5
130	5" 1/4	0,4	600	65	1.5
140	5" 1/2	0,4	650	70	1.0
152	6"	0,4	820	75	1.0
160	6" 1/4	0,4	880	80	1.0
180	7"	0,4	990	90	1.0
203	8"	0,4	1100	100	1.0
254	10"	0,4	1300	125	1.0
305	12"	0,4	1400	150	0.5
356	14"	0,4	1980	175	0.5
406	16"	0,4	2100	200	0.5
500	20"	0,4	2500	250	0.4
550	22"	0,4	2650	275	0.4
600	24"	0,4	2900	300	0.3

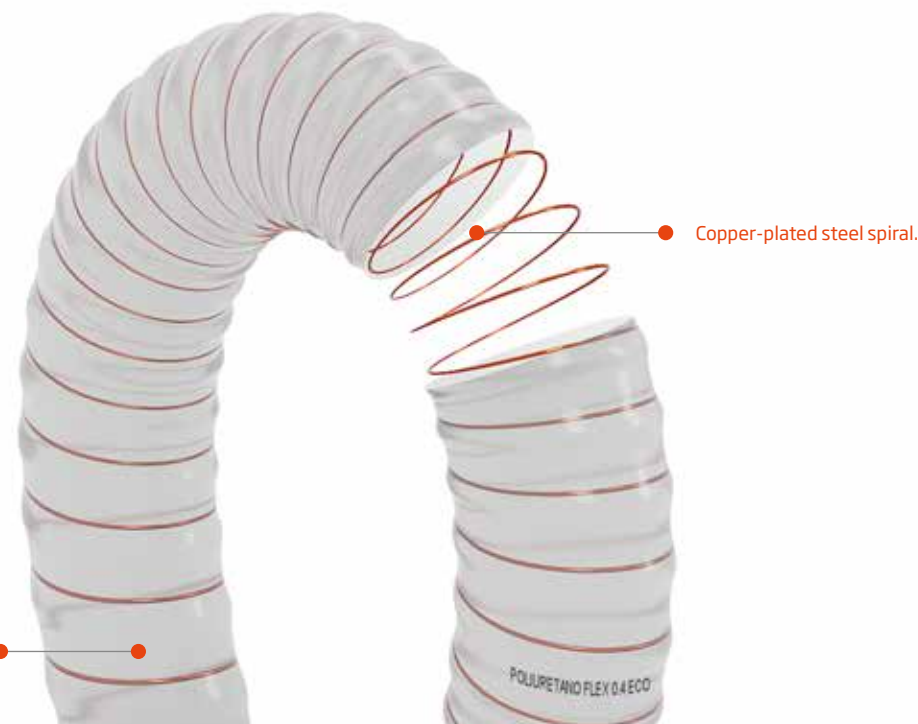
Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

Poliuretano Flex® BS 0.4 ET

Flexible, transparent, polyether-based polyurethane hose and an internal, antistatic, copper-plated steel spiral that is suitable for facilities governed by ATEX regulations for the suction of abrasion products.

Applications

- ▶ Suction of abrasive content, gases from oils, smoke, sawdust, vapours, etc.
- ▶ Ventilation and supply of air with low-abrasion loads.



Features

- For industrial use.
- Highly flexible and resistant to abrasion, humidity and microorganisms.
- Good chemical resistance associated with PU's resistance chart.
- Withstands temperatures between -40°C and 90°C.
- The product is compacted when supplied.



INDUSTRIAL
USE



ANTISTATIC



SUCTION



MADE FROM
POLYURETHANE



ANTI-ABRASION



COPPER-PLATED
SPIRAL

INT Ø mm	INT Ø in	FLEXIBLE THICKNESS mm	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
40	1" 5/8	0.4	230	40	5
45	1" 3/4	0.4	250	45	5
51	2"	0.4	280	50	1.5
60	2" 1/32	0.4	340	60	4
63	2" 1/2	0.4	360	63	3
70	3"	0.4	390	70	3
76	3" 1/8	0.4	410	76	2
80	3" 1/2	0.4	440	80	2
90	2"	0.4	490	90	1.5
102	4"	0.4	510	100	1.5
110	4" 5/16	0.4	560	110	1.5
120	4" 3/4	0.4	610	120	1.5
127	5"	0.4	630	125	1.5
130	5" 1/4	0.4	660	130	1.5
140	5" 1/2	0.4	760	140	1.5
152	6"	0.4	790	152	1.0
160	6" 1/4	0.4	880	160	1.0
170	6" 3/4	0.4	915	170	1.0
180	7"	0.4	950	180	1.0
203	8"	0.4	1030	200	1.0
210	8" 1/4	0.4	1100	210	1.0
220	8" 3/4	0.4	1175	220	1.0
225	9"	0.4	1200	225	1.0
254	10"	0.4	1475	254	1.0
305	12"	0.4	1980	305	0.5
356	14"	0.4	2000	350	0.5
406	16"	0.4	2070	400	0.5
450	18"	0.4	2300	450	0.5
500	20"	0.4	2500	500	0.4
550	22"	0.6	2650	550	0.4
600	24"	0.6	3100	600	0.5

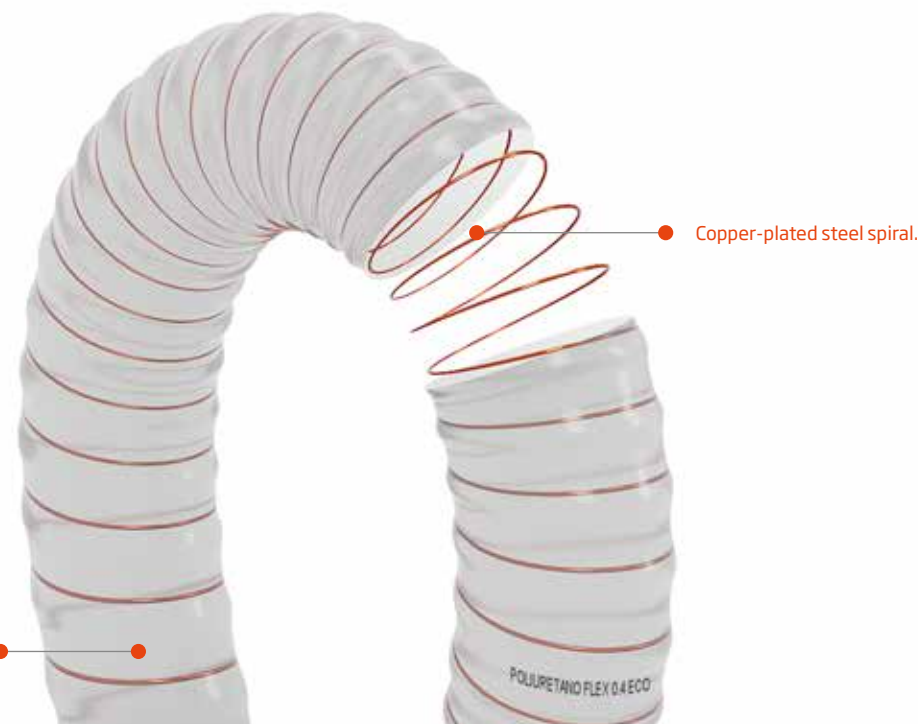
Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

Poliuretano Flex® BS 0.4 EST

Flexible, transparent, polyether-based polyurethane hose and an internal, antistatic, copper-plated steel spiral that is suitable for facilities governed by ATEX regulations for the suction of abrasion products.

Applications

- ▶ Suction of abrasive content, gases from oils, smoke, sawdust, vapours, etc.
- ▶ Ventilation and supply of air with low-abrasion loads.



Features

- For industrial use.
- Highly flexible and resistant to abrasion, humidity and microorganisms.
- Good chemical resistance associated with PU's resistance chart.
- Withstands temperatures between -40°C and 90°C.
- The product is compacted when supplied.



INDUSTRIAL
USE



ANTISTATIC



SUCTION



MADE FROM
POLYURETHANE



ANTI-ABRASION



COPPER-PLATED
SPIRAL

INT Ø mm	INT Ø in	FLEXIBLE THICKNESS mm	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
40	1" 5/8	0.4	230	40	5
45	1" 3/4	0.4	250	45	5
51	2"	0.4	280	50	1.5
60	2" 1/32	0.4	340	60	4
63	2" 1/2	0.4	360	63	3
70	3"	0.4	390	70	3
76	3" 1/8	0.4	410	76	2
80	3" 1/2	0.4	440	80	2
90	2"	0.4	490	90	1.5
102	4"	0.4	510	100	1.5
110	4" 5/16	0.4	560	110	1.5
120	4" 3/4	0.4	610	120	1.5
127	5"	0.4	630	125	1.5
130	5" 1/4	0.4	660	130	1.5
140	5" 1/2	0.4	760	140	1.5
152	6"	0.4	790	152	1.0
160	6" 1/4	0.4	880	160	1.0
170	6" 3/4	0.4	915	170	1.0
180	7"	0.4	950	180	1.0
203	8"	0.4	1030	200	1.0
210	8" 1/4	0.4	1100	210	1.0
220	8" 3/4	0.4	1175	220	1.0
225	9"	0.4	1200	225	1.0
254	10"	0.4	1475	254	1.0
305	12"	0.4	1980	305	0.5
356	14"	0.4	2000	350	0.5
406	16"	0.4	2070	400	0.5
450	18"	0.4	2300	450	0.5
500	20"	0.4	2500	500	0.4
550	22"	0.6	2650	550	0.4
600	24"	0.6	3100	600	0.5

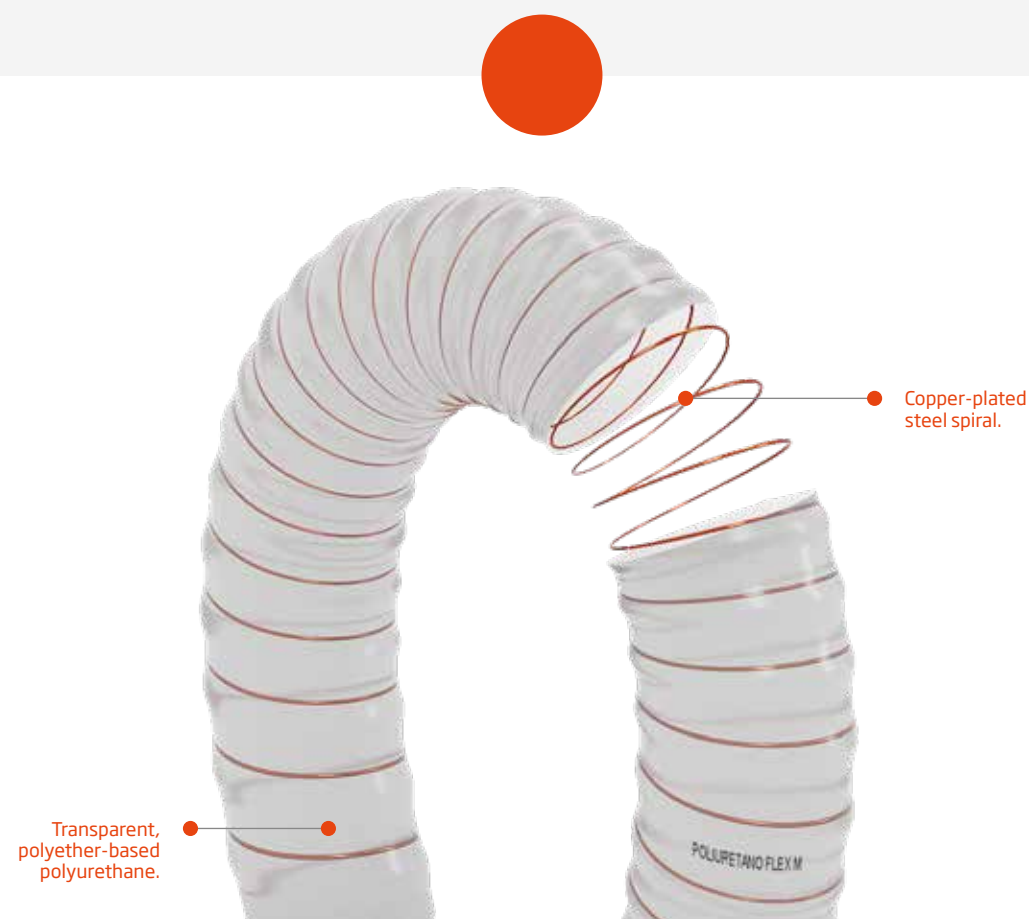
Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

Poliuretano Flex® M 0.7 ET

Flexible, transparent, polyether-based polyurethane hose and an internal, antistatic, copper-plated steel spiral that is suitable for facilities governed by ATEX regulations for the suction of abrasion products.

Applications

- ▶ Suction of abrasive content, gases from oils, smoke, sawdust, vapours, etc. in addition to food products that require food simulant E in OM2 conditions in accordance with Regulation EU 10/2011.



Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- Highly resistant to abrasion, humidity and microorganisms.
- Good chemical resistance associated with PU's resistance chart.
- Withstands temperatures between -40°C and 90°C.
- Option of manufacture with polyester base subject to request.
- The product is compacted when supplied.



INDUSTRIAL
USE



FOOD
USE



COPPER-PLATED
SPIRAL



SUCTION



MADE FROM
POLYURETHANE



ANTI-ABRASION



ANTISTATIC

INT Ø mm	INT Ø in	FLEXIBLE THICKNESS mm	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
40	1" 5/8	0,7	265	30	6.0
45	1" 3/4	0,7	295	35	5.5
51	2"	0,7	325	40	5.0
60	2" 1/4	0,7	395	45	4.0
63	2" 1/2	0,7	410	50	4.0
70	2" 3/4	0,7	420	60	3.0
76	3"	0,7	440	60	3.0
80	3" 1/8	0,7	470	65	2.5
90	3" 1/2	0,7	495	75	2.5
102	4"	0,7	515	85	2.5
110	4" 5/16	0,7	685	90	2.5
120	4" 3/4	0,7	720	95	2.5
127	5"	0,7	750	100	2.5
130	5" 1/4	0,7	780	105	2.5
135	5" 1/4	0,7	845	110	2.5
140	5" 1/2	0,7	860	115	2.0
152	6"	0,7	990	120	2.0
160	6" 1/4	0,7	1060	130	2.0
170	6" 3/4	0,7	1200	135	2.0
180	7"	0,7	1150	150	2.0
203	8"	0,7	1300	165	1.5
220	8" 3/4	0,7	1400	170	1.5
225	9"	0,7	1460	190	1.0
254	10"	0,7	1690	230	1.0
305	12"	0,7	2075	240	1.0
320	12" 3/4	0,7	2280	270	0.80
356	14"	0,7	2610	305	0.70
406	16"	0,7	3100	340	0.70
500	20"	0,7	3250	375	0.70
550	22"	0,7	3600	415	0.5
600	24"	0,7	4170	450	0.5

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

Poliuretano Flex® RD 0.7 EST

Flexible, transparent, polyester-based polyurethane hose and an internal, antistatic, copper-plated steel spiral that is suitable for facilities governed by ATEX regulations for the suction of abrasion products.

Supplied
in rolls.

Copper-plated
steel spiral.

Transparent,
polyester-based
polyurethane.

Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- Highly resistant to abrasion, vapours from chemical products, and fats and oils in their content.
- Good chemical resistance associated with PU's resistance chart.
- Withstands temperatures between -40°C and 90°C.
- Product supplied in rolls.



INDUSTRIAL
USE



FOOD
USE



COPPER-PLATED
SPIRAL



SUCTION



MADE FROM
POLYURETHANE



ANTI-ABRASION



ANTISTATIC

Applications

- ▶ Ventilation and suction of very high-abrasion materials.
- ▶ Suction of abrasive content, gases from oils, smoke, sawdust, vapours, etc. in addition to food products that require food simulant E in OM2 conditions in accordance with Regulation EU 10/2011.

INT Ø mm	INT Ø in	FLEXIBLE THICKNESS mm	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
40	1" 5/8	0.7	265	40	6.0
45	1" 3/4	0.7	295	45	5.5
51	2"	0.7	325	50	5.0
60	2" 1/4	0.7	395	60	4.0
63	2" 1/2	0.7	410	65	4.0
70	2" 3/4	0.7	420	70	3.5
76	3"	0.7	440	75	3.0
80	3" 1/8	0.7	470	80	3.0
90	3" 1/2	0.7	495	90	2.5
102	4"	0.7	515	100	2.5
110	4" 5/16	0.7	685	110	2.5
120	4" 3/4	0.7	720	120	2.5
127	5"	0.7	750	125	2.5
130	5" 1/4	0.7	780	130	2.5
135	5" 1/4	0.7	845	135	2.5
140	5" 1/2	0.7	860	140	2.5
152	6"	0.7	990	150	2.0
160	6" 1/4	0.7	1060	160	2.0
170	6" 3/4	0.7	1200	170	2.0
180	7"	0.7	1150	180	2.0
203	8"	0.7	1300	200	2.0
220	8" 3/4	0.7	1400	220	1.5
254	10"	0.7	1690	250	1.0
305	12"	0.7	2075	300	1.0
356	14"	0.7	2610	350	0.8
406	16"	0.7	3100	400	0.7
500	20"	0.7	3250	500	0.6
550	22"	0.7	3600	550	0.6
600	24"	0.7	4170	600	0.5

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

Poliuretano Flex® H1.1 ET

Flexible, transparent, polyether-based polyurethane hose and an internal, antistatic, copper-plated steel spiral that is suitable for facilities governed by ATEX regulations for the suction of abrasion products.

Applications

- ▶ Suction of highly abrasive food material that requires the food simulant E in OM2 conditions in accordance with Regulation EU 10/2011.

Supplied
in rolls.

Copper-plated steel spiral.

Transparent,
polyether-based
polyurethane.

Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- Highly resistant to abrasion, humidity and microorganisms.
- Good chemical resistance associated with PU's resistance chart.
- Withstands temperatures between -40°C and 90°C.
- Option of manufacture with polyester base subject to request.
- Product supplied in rolls.



INDUSTRIAL
USE



FOOD
USE



COPPER-PLATED
SPIRAL



SUCTION



MADE FROM
POLYURETHANE



ANTI-ABRASION



ANTISTATIC

INT Ø mm	INT Ø in	FLEXIBLE THICKNESS mm	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
40	1" 5/8	1,1	460	45	6.5
45	1" 3/4	1,1	510	50	6.5
51	2"	1,1	560	55	6.0
60	2" 1/4	1,1	660	65	6.0
70	2" 3/4	1,1	775	70	6.0
76	3"	1,1	825	80	6.0
80	3" 1/8	1,1	875	85	5.5
90	3" 1/2	1,1	980	90	5.5
102	4"	1,1	1000	100	5.5
110	4" 5/16	1,1	1100	115	5.0
120	4" 3/4	1,1	1275	120	5.0
127	5"	1,1	1350	130	4.5
130	5" 1/4	1,1	1380	140	4.5
140	5" 1/2	1,1	1450	145	4.5
152	6"	1,1	1550	155	4.5
160	6" 1/4	1,1	1625	170	4.0
170	7"	1,1	1740	175	4.0
180	7"	1,1	1850	190	3.5
203	8"	1,1	2100	200	3.5
225	9"	1,1	2300	225	3.0
254	10"	1,1	2600	250	3.0
280	11"	1,1	2850	280	3.0
305	12"	1,1	3100	335	2.5
356	14"	1,1	3200	390	2.5
406	16"	1,1	3600	450	2.5
450	18"	1,1	3750	500	2.0
500	20"	1,1	5000	550	2.0
550	22"	1,1	5300	605	1.5
600	24"	1,1	5600	660	1.5

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

Poliuretano Flex® H1.1 EST

Flexible, transparent, polyether-based polyurethane hose and an internal, antistatic, copper-plated steel spiral that is suitable for facilities governed by ATEX regulations for the suction of abrasion products.

Applications

- ▶ Suction of highly abrasive food material that requires the food simulant E in OM2 conditions in accordance with Regulation EU 10/2011.

Supplied
in rolls.

Copper-plated steel spiral.

Transparent,
polyether-based
polyurethane.

Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/201 (see declaration of conformity).
- Highly resistant to abrasion, humidity and microorganisms.
- Good chemical resistance associated with PU's resistance chart.
- Withstands temperatures between -40°C and 90°C.
- Option of manufacture with polyester base subject to request.
- Product supplied in rolls.



INDUSTRIAL
USE



FOOD
USE



COPPER-PLATED
SPIRAL



SUCTION



MADE FROM
POLYURETHANE



ANTI-ABRASION



ANTISTATIC

INT Ø mm	INT Ø in	FLEXIBLE THICKNESS mm	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
40	1" 5/8	1,1	460	45	6.5
45	1" 3/4	1,1	510	50	6.5
51	2"	1,1	560	55	6.0
60	2" 1/4	1,1	660	65	6.0
70	2" 3/4	1,1	775	70	6.0
76	3"	1,1	825	80	6.0
80	3" 1/8	1,1	875	85	5.5
90	3" 1/2	1,1	980	90	5.5
102	4"	1,1	1000	100	5.5
110	4" 5/16	1,1	1100	115	5.0
120	4" 3/4	1,1	1275	120	5.0
127	5"	1,1	1350	130	4.5
130	5" 1/4	1,1	1380	140	4.5
140	5" 1/2	1,1	1450	145	4.5
152	6"	1,1	1550	155	4.5
160	6" 1/4	1,1	1625	170	4.0
170	7"	1,1	1740	175	4.0
180	7"	1,1	1850	190	3.5
203	8"	1,1	2100	200	3.5
225	9"	1,1	2300	225	3.0
254	10"	1,1	2600	250	3.0
280	11"	1,1	2850	280	3.0
305	12"	1,1	3100	335	2.5
356	14"	1,1	3200	390	2.5
406	16"	1,1	3600	450	2.5
450	18"	1,1	3750	500	2.0
500	20"	1,1	5000	550	2.0
550	22"	1,1	5300	605	1.5
600	24"	1,1	5600	660	1.5

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

Poliuretano Flex® HD 1.6 ET

Flexible, transparent, polyether-based polyurethane hose and an internal, antistatic, copper-plated steel spiral that is suitable for facilities governed by ATEX regulations for the suction of abrasion products.

Supplied
in rolls.

Copper-plated
steel spiral.

Transparent,
polyether-based
polyurethane.

Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/201 (see declaration of conformity).
- Highly resistant to abrasion, humidity and microorganisms.
- Good chemical resistance associated with PU's resistance chart.
- Withstands temperatures between -40°C and 90°C.
- Option of manufacture with polyester base subject to request.
- Product supplied in rolls.



INDUSTRIAL
USE



FOOD
USE



COPPER-PLATED
SPIRAL



SUCTION



MADE FROM
POLYURETHANE



ANTI-ABRASION



ANTISTATIC

Applications

- ▶ Suction of extremely abrasive content (iron, rebar, glass).
Suction cleaning machinery in forests, roads, etc.
- ▶ Suction of highly abrasive food material that requires the food simulant E in OM2 conditions in accordance with Regulation EU 10/2011.

INT Ø mm	INT Ø in	FLEXIBLE THICKNESS mm	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
32	1" 1/4	1,6	465	40	8.0
35	1" 1/4	1,6	500	45	8.0
38	1" 1/2	1,6	535	50	8.0
40	1" 5/8	1,6	560	55	7.5
45	1" 3/4	1,6	620	60	7.5
51	2"	1,6	695	65	7.5
55	2"	1,6	745	70	7.5
60	2" 1/4	1,6	810	75	7.0
63	2" 1/2	1,6	845	80	7.0
70	2" 3/4"	1,6	1005	85	7.0
76	3"	1,6	1090	90	7.0
80	3" 1/8	1,6	1140	95	6.5
90	3" 1/2	1,6	1275	110	6.5
102	4"	1,6	1435	125	6.5
110	4" 5/16	1,6	1545	130	6.0
115	4" 5/16	1,6	1610	140	6.0
120	4" 3/4	1,6	1675	145	6.0
127	5"	1,6	2075	155	5.5
130	5" 1/4	1,6	2120	160	5.5
140	5" 1/2	1,6	2275	170	5.5
152	6"	1,6	2465	180	5.0
160	6" 1/4	1,6	2590	190	5.0
175	6" 1/4	1,6	2705	210	4.5
180	7"	1,6	2780	220	4.5
203	8"	1,6	3125	245	4.0
206	8"	1,6	3170	250	4.0
225	9"	1,6	3500	275	3.5
254	10"	1,6	3890	305	3.0
305	12"	1,6	5680	350	3.0
350	12"	1,6	6500	370	2.5
406	12"	1,6	7525	490	2.0
500	14"	1,6	9240	600	1.5

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

Poliuretano Flex® HD 1.6 EST

Flexible, transparent, polyether-based polyurethane hose and an internal, antistatic, copper-plated steel spiral that is suitable for facilities governed by ATEX regulations for the suction of abrasion products.

Supplied
in rolls.

Copper-plated
steel spiral.

Transparent,
polyether-based
polyurethane.

Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/201 (see declaration of conformity).
- Highly resistant to abrasion, humidity and microorganisms.
- Good chemical resistance associated with PU's resistance chart.
- Withstands temperatures between -40°C and 90°C.
- Option of manufacture with polyester base subject to request.
- Product supplied in rolls.



INDUSTRIAL
USE



FOOD
USE



COPPER-PLATED
SPIRAL



SUCTION



MADE FROM
POLYURETHANE



ANTI-ABRASION



ANTISTATIC

Applications

- ▶ Suction of extremely abrasive content (iron, rebar, glass).
Suction cleaning machinery in forests, roads, etc.
- ▶ Suction of highly abrasive food material that requires the food simulant E in OM2 conditions in accordance with Regulation EU 10/2011.

INT Ø mm	INT Ø in	FLEXIBLE THICKNESS mm	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
45	1" 3/4	1,6	525	180	6
51	2"	1,6	560	200	6
60	2" 1/4	1,6	645	240	5
76	3"	1,6	900	305	5
80	3" 1/8	1,6	960	320	5
90	3" 1/2	1,6	1050	360	5
102	4"	1,6	1300	410	5
110	4" 5/16	1,6	1325	440	5
120	4" 3/4	1,6	1350	480	4
125	5"	1,6	1450	510	3
140	5" 1/2	1,6	1525	540	3
152	6"	1,6	1750	610	3
160	6" 1/4	1,6	1800	640	3
180	7"	1,6	2400	720	2
200	8"	1,6	2650	800	2
220	8" 3/4	1,6	3125	880	2
225	9"	1,6	3250	900	2
250	10"	1,6	3350	1000	2
300	12"	1,6	3500	1200	2

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

Poliuretano Flex[®] Rock 2.0 EST

Tubing made of transparent polyurethane on a polyester base with spiral internal copper plated steel.

Supplied in rolls.

Copper-plated steel spiral.

Transparent, polyether-based polyurethane.

Features

- Non-toxic and for food use according to European regulations CE 1935/2004 and EU 10/2011.
 - Reinforced inside by a metallic copper wire spiral, which gives it great consistency as well as flexibility, giving it great mechanical possibilities.
 - Antistatic. Good chemical resistance,
- associated with the usual properties of PU, to microorganisms and humidity.
- Optimum resistance to abrasion (Anti-abrasive), to atmospheric agents and a wide range of chemicals.
 - Withstands temperatures between -40°C and 90°C.



INDUSTRIAL USE



FOOD USE



COPPER-PLATED SPIRAL



SUCTION



MADE FROM POLYURETHANE



ANTI-ABRASION



ANTISTATIC

Applications

- ▶ Aspirations of extreme abrasive content (iron, rebar, glass).
- ▶ Vacuum cleaning machinery in forests, roads etc.
- ▶ Aspirations of food material with a high abrasive content that requires the food simulant E in OM2 conditions according to EU regulation 10/2011.

INT Ø mm	INT Ø in	FLEXIBLE THICKNESS mm	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
40	1" 5/8	2.0	475	50	9
45	1" 3/4	2.0	525	60	9
51	2"	2.0	580	65	9
60	2" 1/4	2.0	750	75	9
63	2" 1/2	2.0	780	80	9
65	2" 1/2	2.0	800	85	8
70	2" 3/4	2.0	835	90	8
76	3"	2.0	880	95	8
80	3" 1/8	2.0	910	100	8
90	3" 1/2	2.0	1000	115	8
102	4"	2.0	1085	125	7
110	4" 5/16	2.0	1160	140	7
120	4" 3/4	2.0	1370	150	7
127	5"	2.0	1440	120	7
130	5" 1/4	2.0	1475	160	7
140	5" 1/2	2.0	1575	175	7
152	6"	2.0	1700	190	6
160	6" 1/4	2.0	1785	200	6
170	6" 1/4	2.0	1890	210	6
180	7"	2.0	2000	225	5
203	8"	2.0	2180	250	5
220	8"	2.0	2710	275	5
230	9"	2.0	2825	300	4
254	10"	2.0	3100	325	4
305	12"	2.0	3700	380	3
320	12"	2.0	3875	400	3
356	12"	2.0	4052	450	3
406	12"	2.0	4601	525	2
450	12"	2.0	5085	570	2

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

Poliuretano Flex[®] Rock 2.5 EST

Tubing made of transparent polyurethane on a polyester base with spiral internal copper plated steel.

Supplied in rolls.

Copper-plated steel spiral.

Transparent, polyether-based polyurethane.

Features

- Non-toxic and for food use according to European regulations CE 1935/2004 and EU 10/2011.
 - Reinforced inside by a metallic copper wire spiral, which gives it great consistency as well as flexibility, giving it great mechanical possibilities.
 - Antistatic. Good chemical resistance,
- associated with the usual properties of PU, to microorganisms and humidity.
- Optimum resistance to abrasion (Anti-abrasive), to atmospheric agents and a wide range of chemicals.
 - Withstands temperatures between -40°C and 90°C.



INDUSTRIAL USE



FOOD USE



COPPER-PLATED SPIRAL



SUCTION



MADE FROM POLYURETHANE



ANTI-ABRASION



ANTISTATIC

Applications

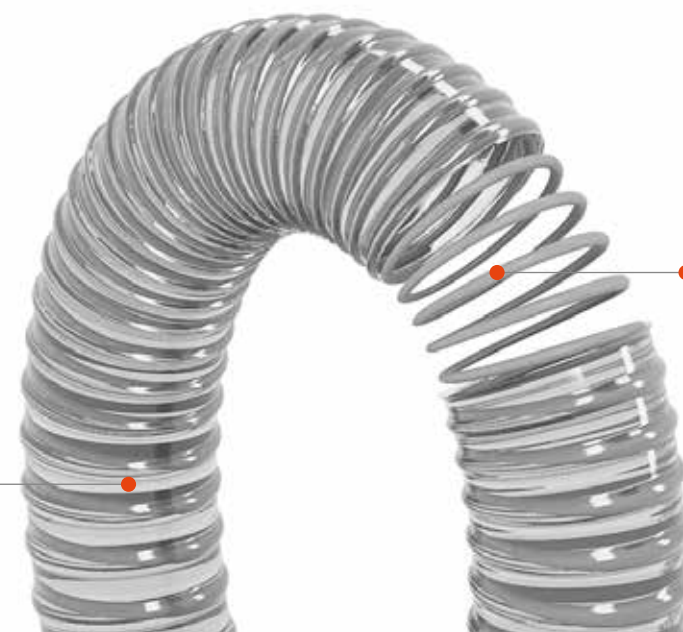
- ▶ Aspirations of extreme abrasive content (iron, rebar, glass). Vacuum cleaning machinery in forests, roads, etc.
- ▶ Aspirations of food material with a high abrasive content that require the food simulant E in OM2 conditions according to EU regulation 10/2011.

INT Ø mm	INT Ø in	FLEXIBLE THICKNESS mm	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
40	1" 5/8	2,5	590	60	9
45	1" 3/4	2,5	650	70	9
51	2"	2,5	715	80	9
60	1" 3/4	2,5	900	90	9
63	2" 1/2	2,5	940	95	9
65	2" 1/2	2,5	965	100	9
70	2" 3/4	2,5	1010	105	9
76	3"	2,5	1065	115	9
80	3" 1/8	2,5	1100	120	8
90	3" 1/2	2,5	1200	135	8
102	4"	2,5	1315	150	8
110	4" 5/16	2,5	1400	165	8
120	4" 3/4	2,5	1635	180	8
127	5"	2,5	1722	190	8
130	5" 1/2	2,5	1760	195	7
140	5" 1/2	2,5	1880	210	7
152	6"	2,5	2025	230	7
160	6" 1/4	2,5	2125	240	7
170	7"	2,5	2250	255	7
180	7"	2,5	2370	270	6
203	8"	2,5	3025	305	6
220	9"	2,5	3170	330	6
230	9"	2,5	3300	345	6
254	10"	2,5	3625	380	6
305	10"	2,5	4300	450	4
320	12"	2,5	4500	480	4
356	14"	2,5	4760	535	4
406	16"	2,5	5400	610	3
450	18"	2,5	5970	675	3

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

Espiro® PU ET

Transparent, polyether-based polyurethane pumping and suction hose, reinforced with a rigid, anti-shock PVC spiral, for abrasive products.



Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- Great flexibility (bending radius = internal diameter). Extremely light.
- Highly resistant to abrasion, humidity and microorganisms.
- The hose wall is smooth on the inside and corrugated on the outside.
- Good chemical resistance associated with PU's resistance chart.
- Recommended temperature for use between -25°C and 85°C.
- Option of manufacture with polyester base subject to request.



INDUSTRIAL
USE



FOOD
USE



AGRICULTURAL
USE



SUCTION



SMOOTH
INTERIOR



ANTI-ABRASION



MADE FROM
POLYURETHANE



PVC
SPIRAL



TEMPERATURE
-25 °C TO 85 °C



FREE FROM
Cd / Pb / Ba

Applications

- ▶ Pumping and suction of gases, smoke and abrasive products, such as sawdust, pellets, rebar and dust, in addition to food products that require food simulant E in OM2 conditions in accordance with Regulation EU 10/2011.
- ▶ Suction of abrasive material in industrial facilities with special need for resistance to abrasion, constant mechanical movement, and the application of force or repetitive impacts.

INT Ø mm	INT Ø in	FLEXIBLE THICKNESS mm	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
25	1"	0.5	154	25	3
32	1" 1/4	0.5	180	32	3
35	1" 3/8	0.5	195	35	3
38	1" 1/4	0.5	225	38	3
40	1" 5/8	0.5	250	40	3
45	1" 3/4	0.5	260	45	3
51	2"	0.5	300	50	3
60	2" 1/4	0.5	425	60	3
63	2" 1/2	0.5	445	60	3
70	2" 3/4	0.5	500	70	3
76	3"	0.5	550	75	3
80	3" 1/8	0.5	590	80	3
90	3" 1/2	0.6	670	90	3
102	4"	0.6	870	100	3
110	4" 5/16	0.6	950	110	3
120	4" 3/4	0.6	1000	120	3
127	5"	0.6	1100	125	3
130	5" 1/4	0.6	1200	130	3
140	5" 1/2	0.7	1300	140	3
152	6"	0.7	1500	150	3
160	6" 1/4	0.8	1700	160	3
170	6" 3/4	0.8	1900	170	3
180	7"	0.8	1950	180	3
203	8"	1	2200	200	3
254	10"	1	2600	250	3
305	12"	1	3425	300	3

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

Espiro® PU EST

Transparent, polyester-based polyurethane pumping and suction hose, reinforced with a rigid, anti-shock PVC spiral, for abrasive products.

Applications

- ▶ Pumping and suction of gases, smoke and abrasive products, such as sawdust, pellets, rebar and dust, in addition to food products that require food simulant E in OM2 conditions in accordance with Regulation EU 10/2011.
- ▶ Suction of abrasive material in industrial facilities with special need for resistance to abrasion, constant mechanical movement, and the application of force or repetitive impacts.

Polyurethane: 5 times more resistant than PVC, with anti-abrasion properties.

Internal, rigid, anti-shock PVC spiral reinforcement that affords it great consistency.

Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- Great flexibility (bending radius = internal diameter). Extremely light.
- Highly resistant to abrasion, humidity and microorganisms.
- The hose wall is smooth on the inside and corrugated on the outside.
- Good chemical resistance associated with PU's resistance chart.
- Recommended temperature for use between -25°C and 85°C.
- Option of manufacture with polyester base subject to request.



INDUSTRIAL USE



FOOD USE



AGRICULTURAL USE



SUCTION



SMOOTH INTERIOR



ANTI-ABRASION



MADE FROM POLYURETHANE



PVC SPIRAL



TEMPERATURE -25 °C TO 85 °C



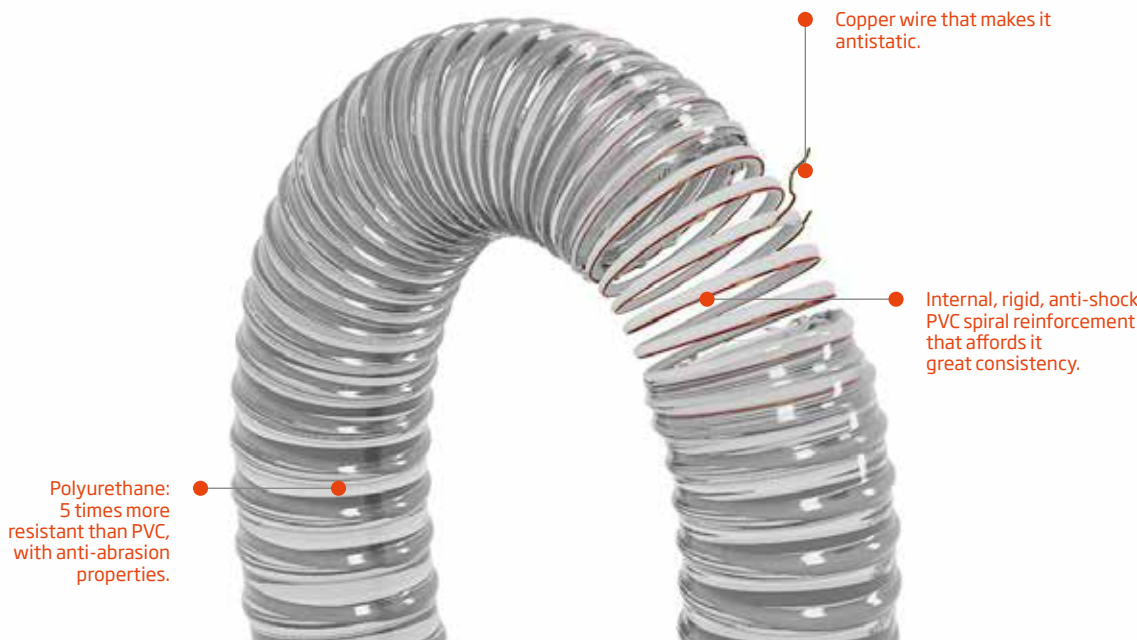
FREE FROM Cd / Pb / Ba

INT Ø mm	INT Ø in	FLEXIBLE THICKNESS mm	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
32	1" 1/4	0.5	180	32	3
35	1" 3/8	0.5	195	35	3
38	1" 1/4	0.5	225	38	3
40	1" 5/8	0.5	250	40	3
45	1" 3/4	0.5	260	45	3
51	2"	0.5	305	50	3
60	2" 1/4	0.5	425	60	3
63	2" 1/2	0.5	445	60	3
70	2" 3/4	0.5	500	70	3
75	3"	0.5	550	75	3
80	3" 1/8	0.5	590	80	3
90	3" 1/2	0.6	670	90	3
102	4"	0.6	870	100	3
110	4" 5/16	0.6	950	110	3
120	4" 3/4	0.6	1000	120	3
125	5"	0.6	1100	125	3
130	5" 1/4	0.6	1200	130	3
140	5" 1/2	0.7	1300	140	3
150	6"	0.7	1500	150	3
160	6" 1/4	0.8	1700	160	3
170	6" 3/4	0.8	1900	170	3
180	7"	0.8	1950	180	3
200	8"	1.0	2200	200	3
250	10"	1.0	2600	250	3
300	12"	1.0	3425	300	3

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

Espiro® PU Antiestático

Transparent, polyether-based polyurethane pumping and suction hose, reinforced with a rigid, anti-shock PVC spiral, for abrasive products. Equipped with a copper wire that grants it an antistatic feature, making it perfect for facilities governed by ATEX regulations.



Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- Great flexibility (bending radius = internal diameter). Extremely light.
- Highly resistant to abrasion, humidity and microorganisms.
- The hose wall is smooth on the inside and corrugated on the outside.
- Good chemical resistance associated with PU's resistance chart.
- Recommended temperature for use between -25°C and 85°C.
- Option of manufacture with polyester base subject to request.



Applications

- ▶ Pumping and suction of gases, smoke and abrasive products, such as sawdust, pellets, rebar and dust, in addition to food products that require food simulant E in OM2 conditions in accordance with Regulation EU 10/2011.
- ▶ Suction of abrasive material in industrial facilities with special need for resistance to abrasion, constant mechanical movement, and the application of force or repetitive impacts.

INT Ø mm	INT Ø in	FLEXIBLE THICKNESS mm	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
32	1" 1/4	0.5	180	32	3
35	1" 3/8	0.5	195	35	3
38	1" 1/4	0.5	225	38	3
40	1" 5/8	0.5	250	40	3
45	1" 3/4	0.5	260	45	3
51	2"	0.5	305	50	3
60	2" 1/4	0.5	425	60	3
63	2" 1/2	0.5	445	60	3
70	2" 3/4	0.5	500	70	3
75	3"	0.5	550	75	3
80	3" 1/8	0.5	590	80	3
90	3" 1/2	0.6	670	90	3
102	4"	0.6	870	100	3
110	4" 5/16	0.6	950	110	3
120	4" 3/4	0.6	1000	120	3
125	5"	0.6	1100	125	3
130	5" 1/4	0.6	1200	130	3
140	5" 1/2	0.7	1300	140	3
150	6"	0.7	1500	150	3
160	6" 1/4	0.8	1700	160	3
170	6" 3/4	0.8	1900	170	3
180	7"	0.8	1950	180	3
200	8"	1.0	2200	200	3
250	10"	1.0	2600	250	3
300	12"	1.0	3425	300	3

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

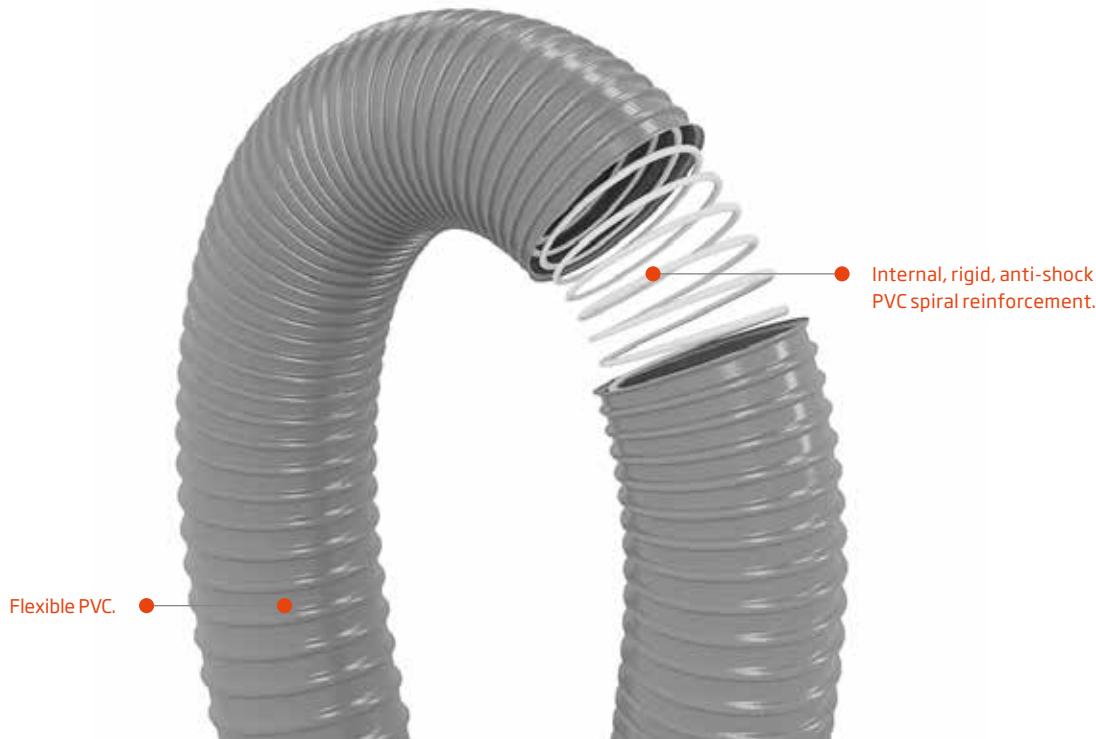


Espiroair®

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

Applications

- ▶ Suction, piping and pumping of smoke, sawdust, seeds, textile fibres, etc.
- ▶ Industrial suction and ventilation.



Features

- For industrial use.
- Fireproof in accordance with standard UL94 category V2 (UL94 category V0 available on request).
- Great flexibility (bending radius = internal diameter) and lightness.
- Smooth internal surface and corrugated external surface.
- Good chemical resistance associated with PVC's resistance chart.
- Withstands temperatures between -10°C and 60°C.



INDUSTRIAL USE



VENTILATION



SUCTION



METAL SPIRAL



TEMPERATURE -10°C TO 60°C



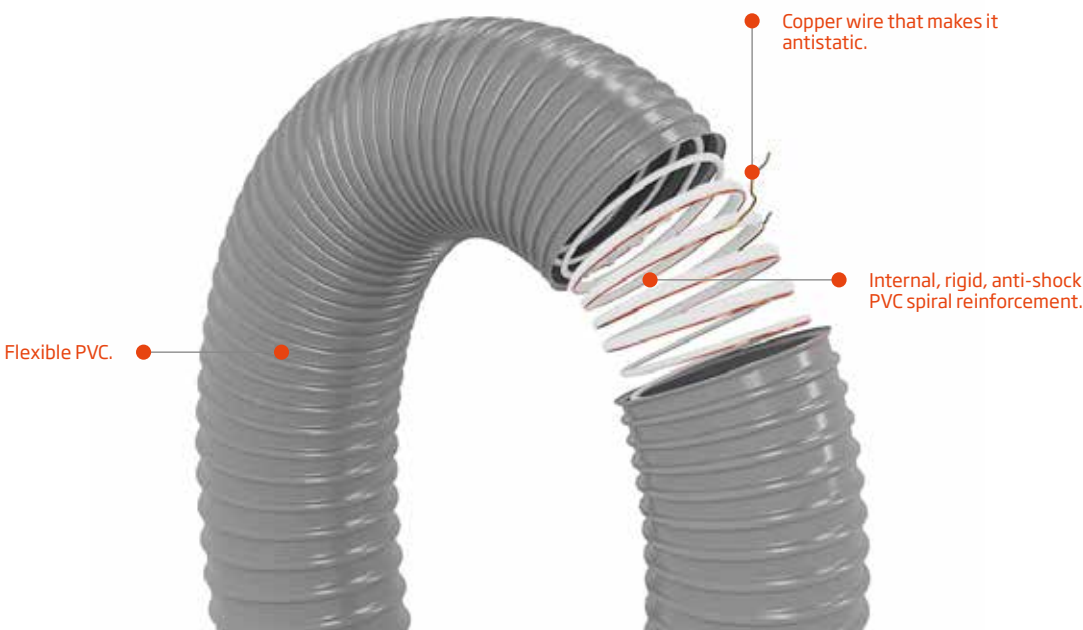
INT Ø mm	INT Ø in	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
15	5/8"	100	15	5
20	3/4"	120	20	5
25	1"	170	25	5
30	1" 1/8	210	30	5
32	1" 1/4	218	32	5
35	1" 3/8	240	35	5
38	1" 1/2	260	38	5
40	1" 5/8	280	40	5
45	1" 3/4	410	45	4
51	2"	450	50	4
55	1" 1/8	490	55	4
60	2" 1/4	540	60	4
63	2" 1/2	590	65	4
70	2" 3/4	640	70	4
76	3"	690	75	4
80	3" 1/8	780	80	4
90	3" 1/2	830	90	4
102	4"	980	100	4
110	4" 5/16	1150	110	4
120	4" 3/4	1200	120	4
127	5"	1250	125	4
130	5" 1/4	1300	130	4
140	5" 1/2	1500	140	4
150	6"	1700	150	4
160	6" 1/4	1825	160	4
180	7"	2200	180	4
203	8"	2400	200	4
254	10"	3000	250	4
305	12"	3600	300	4

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters



Espiroair® Antiestático

Transparent, polyether-based polyurethane pumping and suction hose, reinforced with a rigid, anti-shock PVC spiral, for abrasive products. Equipped with a copper wire that grants it an antistatic feature, making it perfect for facilities governed by ATEX regulations.



Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- Great flexibility (bending radius = internal diameter). Extremely light.
- Highly resistant to abrasion, humidity and microorganisms.
- Equipped with a copper wire that makes it antistatic.
- The hose wall is smooth on the inside and corrugated on the outside.
- Good chemical resistance associated with PU's resistance chart.
- Recommended temperature for use between -20°C and 80°C.
- Option of manufacture with polyester base subject to request.



INDUSTRIAL USE



FOOD USE



AGRICULTURAL USE



SUCTION



SMOOTH INTERIOR



ANTI-ABRASION



MADE FROM POLYURETHANE



PVC SPIRAL



TEMPERATURE -20 °C TO 80 °C



FREE FROM Cd / Pb / Ba



ANTISTATIC

Applications

- ▶ Pumping and suction of gases, smoke and abrasive products, such as sawdust, pellets, rebar and dust, in addition to food products that require food simulant E in OM2 conditions in accordance with Regulation EU 10/2011.
- ▶ Suction of abrasive material in industrial facilities with special need for resistance to abrasion, constant mechanical movement, and the application of force or repetitive impacts.

INT Ø mm	INT Ø in	FLEXIBLE THICKNESS mm	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
32	1" 1/4	0.5	180	32	3
35	1" 3/8	0.5	195	35	3
38	1" 1/4	0.5	225	38	3
40	1" 5/8	0.5	250	40	3
45	1" 3/4	0.5	260	45	3
51	2"	0.5	305	50	3
60	2" 1/4	0.5	425	60	3
63	2" 1/2	0.5	445	60	3
70	2" 3/4	0.5	500	70	3
75	3"	0.5	550	75	3
80	3" 1/8	0.5	590	80	3
90	3" 1/2	0.6	670	90	3
102	4"	0.6	870	100	3
110	4" 5/16	0.6	950	110	3
120	4" 3/4	0.6	1000	120	3
125	5"	0.6	1100	125	3
130	5" 1/4	0.6	1200	130	3
140	5" 1/2	0.7	1300	140	3
150	6"	0.7	1500	150	3
160	6" 1/4	0.8	1700	160	3
170	6" 3/4	0.8	1900	170	3
180	7"	0.8	1950	180	3
200	8"	1.0	2200	200	3
250	10"	1.0	2600	250	3
300	12"	1.0	3425	300	3

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters



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.



Plasticised PVC.

Internal, rigid, anti-shock PVC spiral reinforcement.

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.
- Temperature range between -15°C and 65°C.
- Resistant to fire, according to the Quality Norm UL94, V0 category.



INDUSTRIAL USE



VENTILATION



SUCTION



METAL SPIRAL



TEMPERATURE -10°C TO 60°C

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

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

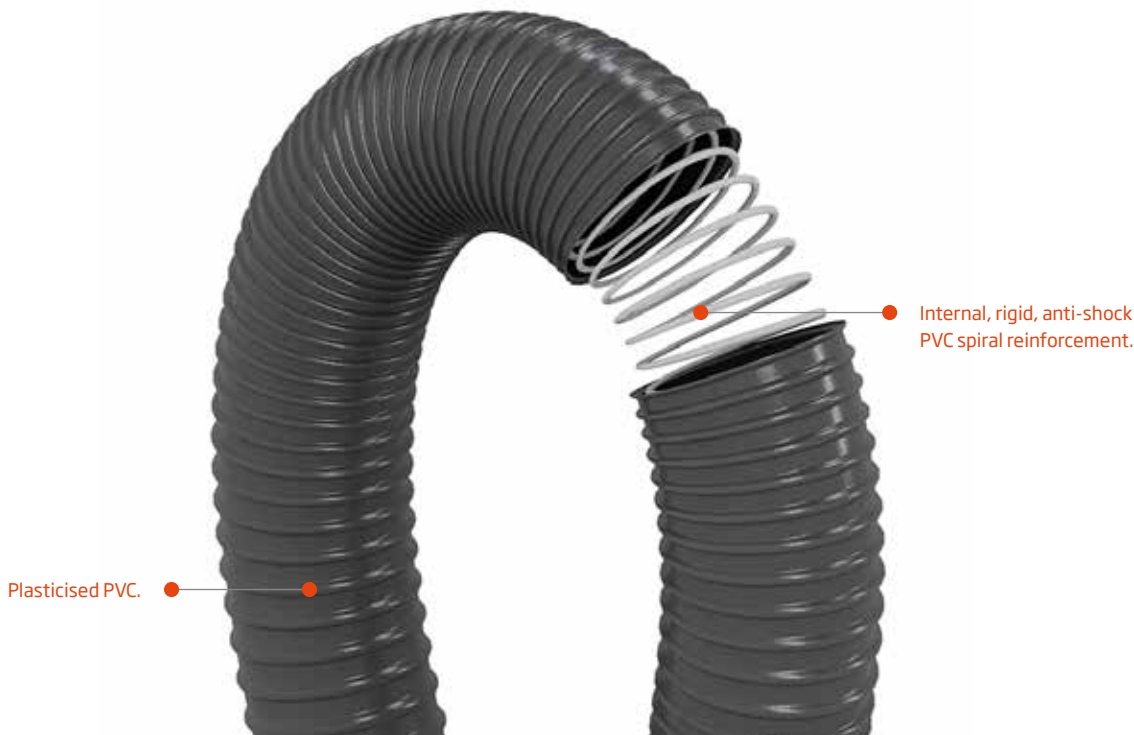


Espiroair® UL94 V0

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.

Applications

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



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.
- Temperature range between -15°C and 65°C.
- Resistant to fire, according to the Quality Norm UL94, V0 category.



INDUSTRIAL
USE



VENTILATION



SUCTION



METAL
SPIRAL



TEMPERATURE
-10°C TO 60°C

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

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

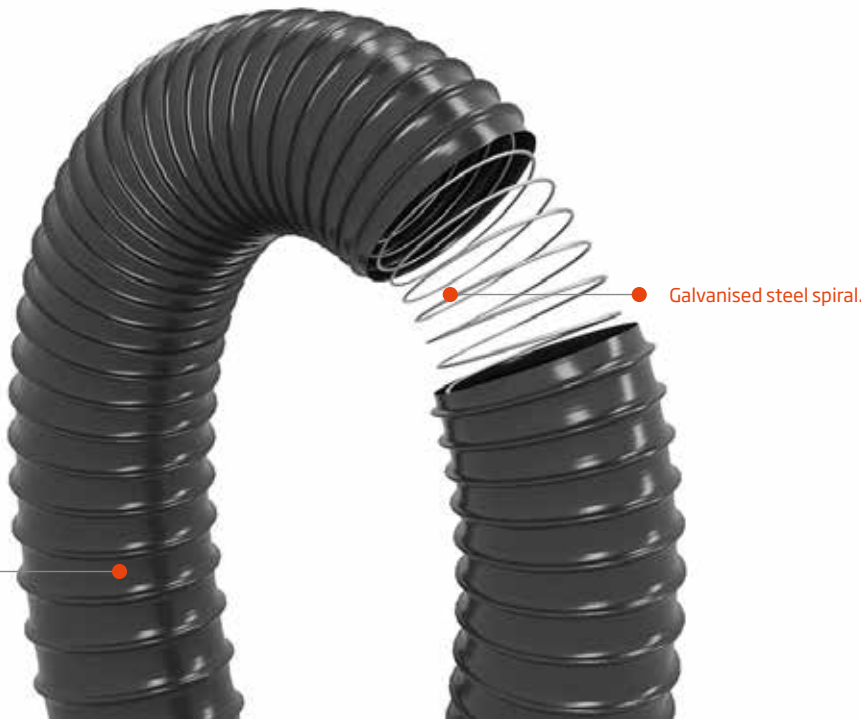


Vacumflex®

Plasticised PVC hose, reinforced with a galvanised steel spiral that grants it an antistatic feature, making it perfect for facilities governed by ATEX regulations and designed for industrial ventilation of low-abrasion content.

Applications

► Suction of low-abrasion content, dust, gases, sawdust, threads, etc.



Features

- For industrial use.
- Highly flexible and light.
- Antistatic.
- Good chemical resistance associated with PVC's resistance chart.
- Recommended temperature for use between -10°C and 60°C.



INDUSTRIAL USE



VENTILATION



SUCTION



METAL SPIRAL



LIGHT



FREE
Cd-Pb-Ba



TEMPERATURE
-10°C TO 60°C

INT Ø mm	INT Ø in	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
40	1" 5/8	430	47	3
45	1" 3/4	470	52	3
51	2"	530	57	2.5
60	2" 1/4	630	67	2.5
70	2" 3/4	670	77	2.5
76	3"	730	82	2.5
80	3" 1/8	790	88	2.5
90	3" 1/2	820	98	2.5
102	4"	1200	108	2.5
110	4" 5/16	1300	118	2.5
120	4" 3/4	1360	128	2.5
127	5"	1420	133	2.5
130	5" 1/4	1500	138	1.2
140	5" 1/2	1700	148	1.2
150	6"	1750	158	1.2
160	6" 1/4	1800	168	1.2
170	6" 3/4	2050	178	1.2
180	7"	2150	188	1.2
203	8" 3/4	2250	208	1
254	10"	3150	260	1
305	12"	3800	310	0.5
350	14"	4450	360	0.5
400	16"	5000	410	0.5
450	18"	5300	460	0.2
500	20"	5700	510	0.2
600	24"	5800	610	0.2

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

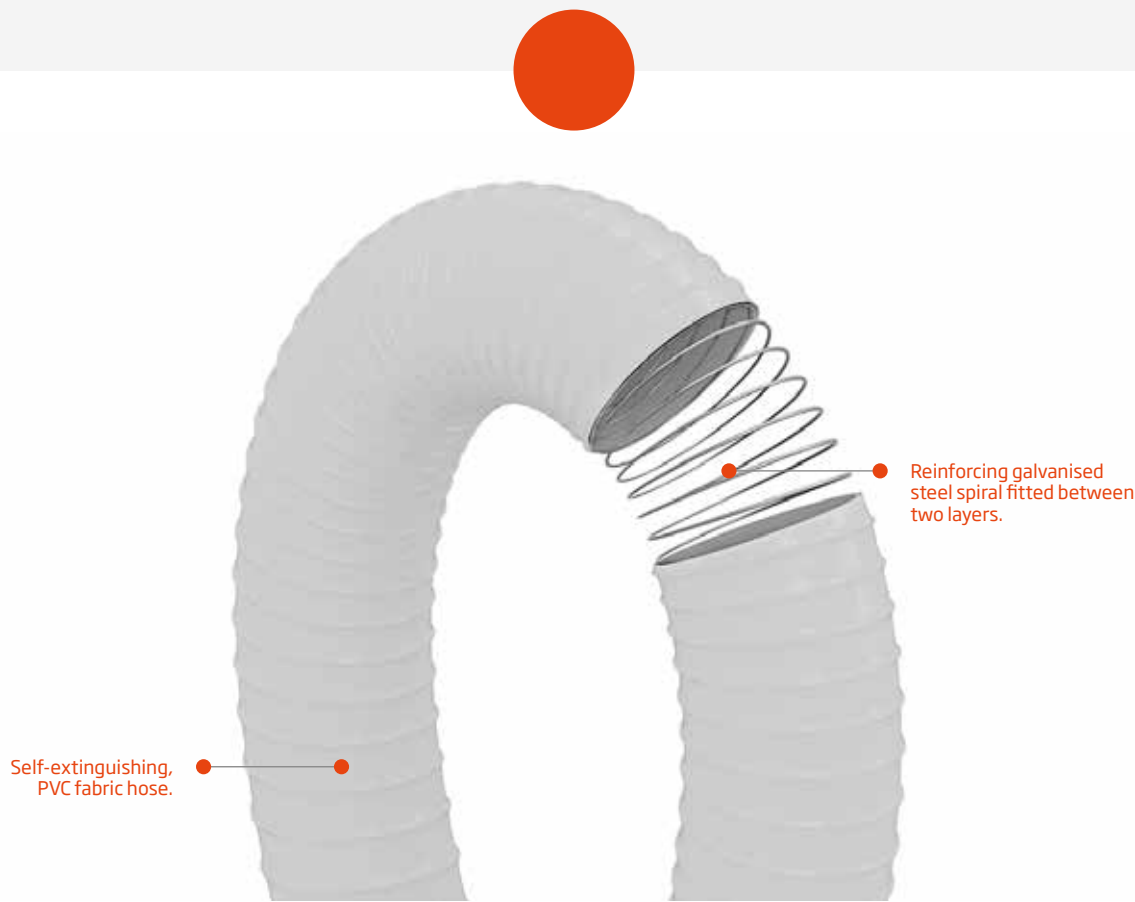


Extraflex®

Hose made of self-extinguishing PVC fabric, reinforced by a galvanised copper spiral, for the suction of smoke and ventilation systems.

Applications

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



Features

- Hose made from plasticised PVC, reinforced with self-extinguishing PVC fabric and with a reinforcing galvanised steel spiral fitted between two layers.
- Full flexibility and extremely light.
- Fire resistant in accordance with category M2.
- Resistant to smoke and gases. Good chemical resistance associated with PVC's usual properties.
- Withstands maximum temperatures from -15°C to 90°C.



INDUSTRIAL
USE



VENTILATION



SUCTION



METAL
SPIRAL



M2 FIREPROOF



INT Ø mm	INT Ø in	TOTAL THICKNESS mm	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
40	1" 5/8	1.1	110	20	2.5
51	2"	1.1	120	25	2
60	2" 1/4	1.1	140	30	1.9
63	2" 1/2	1.3	160	30	1.8
70	2" 3/4	1.3	175	35	1.8
76	3"	1.3	190	40	1.8
80	3" 1/8	1.3	195	40	1.7
90	3" 1/2	1.3	220	45	1.5
102	4"	1.3	228	50	1.3
110	4" 5/16	1.5	250	55	1.2
120	4" 3/4	1.5	295	60	1.1
127	5"	1.5	315	63	1
130	5" 1/4	1.5	325	65	0.95
140	5" 1/2	1.5	350	70	0.9
152	6"	1.8	370	75	0.85
160	6" 1/4	1.8	440	80	0.80
180	7"	1.8	480	90	0.75
203	8"	1.8	550	100	0.7
228	9"	1.8	580	115	0.65
254	10"	2.1	690	125	0.6
280	11"	2.1	880	140	0.5
305	12"	2.1	900	150	0.5
356	14"	2.1	1100	175	0.4
406	16"	2.1	1280	200	0.3
500	20"	2.1	1500	250	0.3
550	22"	2.1	1610	275	0.2
600	24"	2.1	1750	320	0.2

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

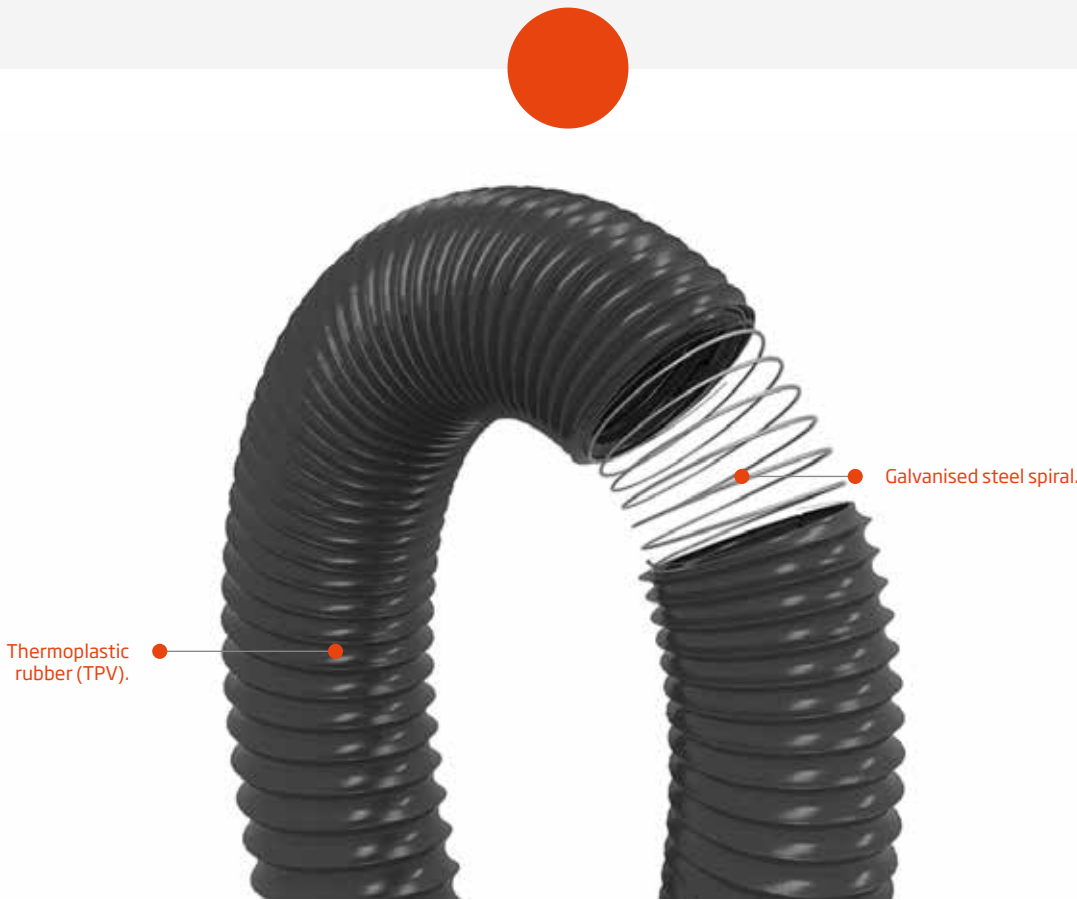


Espiopreno®

Hose made from thermoplastic rubber, reinforced with a special galvanised steel spiral, for suctioning gases and smoke at high temperatures.

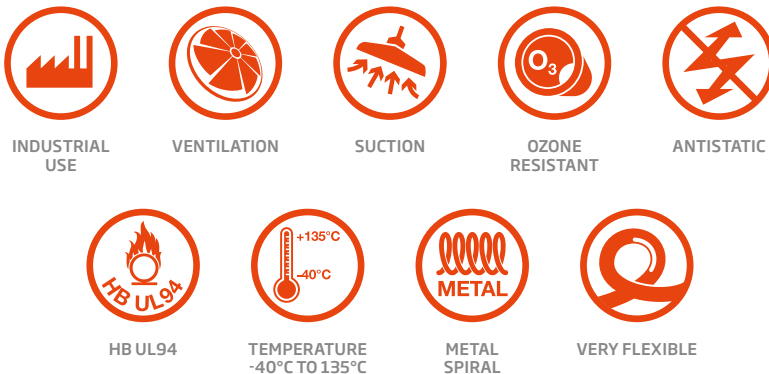
Applications

► Suction of hot gases and smoke from welding and engines.



Features

- For industrial use.
- Highly flexible and very light, as well as highly resilient thanks to TPV's properties.
- Fireproof in accordance with regulation UL94 category HB.
- Good chemical resistance associated with TPV's resistance chart. Excellent resistance to fatigue, ozone and industrial smoke.
- Withstands temperatures between -40°C and 135°C.



INT Ø mm	INT Ø in	FLEXIBLE THICKNESS mm	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
40	1" 5/8	0.4	165	32	2
45	1" 3/4	0.5	200	36	2
51	2"	0.5	230	40	2
55	1" 1/8	0.5	245	45	2
60	2" 1/4	0.5	260	50	1,7
63	2" 1/2	0.5	270	55	1,7
70	2" 3/4	0.5	280	60	1,7
76	3"	0.6	295	65	1,7
80	3" 1/8	0.6	340	65	1,6
90	3" 1/2	0.6	380	75	1,6
102	4"	0.6	500	85	1,3
110	4" 5/16	0.65	550	90	1,2
120	4" 3/4	0.65	610	100	1
127	5"	0.65	650	105	1
130	5" 1/4	0.75	690	105	0,8
140	5" 1/2	0.75	720	115	0,8
152	6"	0.75	900	125	0,8
160	6" 1/4	0.75	960	130	0,7
180	7"	0.8	1090	150	0,5
203	8"	0.8	1170	165	0,4
254	10"	0.8	1500	210	0,4
305	12"	0.8	1700	250	0,3
356	14"	0.8	2200	300	0,3
406	16"	0.8	2675	350	0,3
456	18"	0.8	3425	400	0,3
500	20"	0.8	4600	450	0,2
600	24"	0.8	5600	550	0,2

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

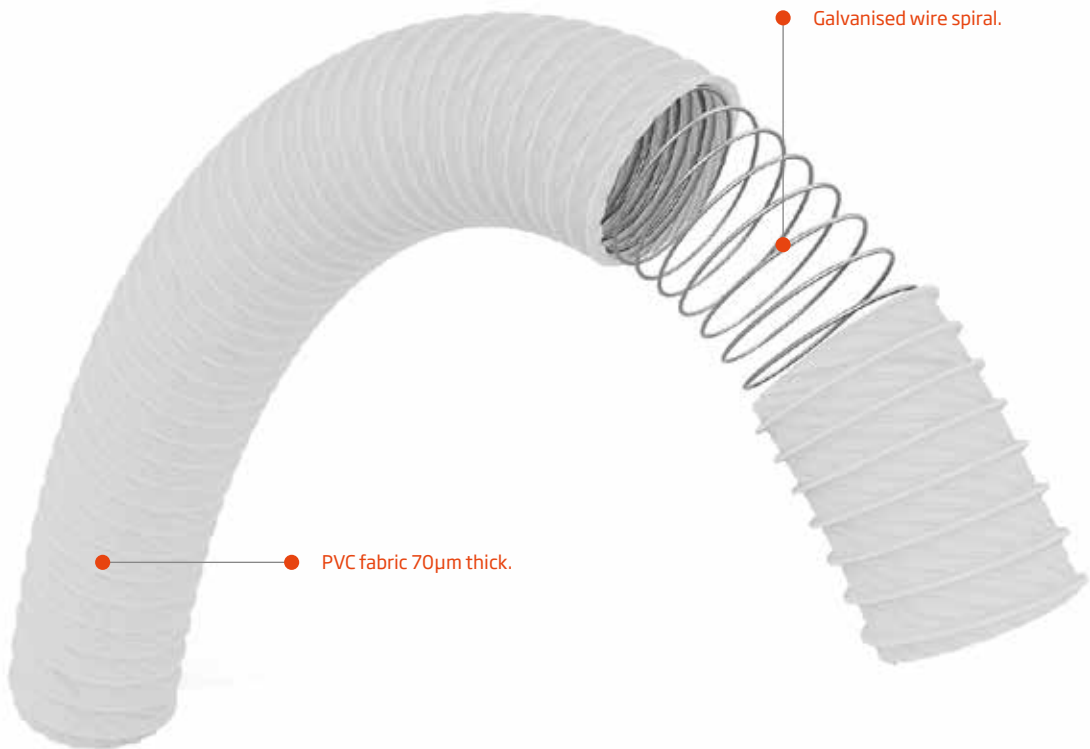


Superflex Air®

Hose made from PVC fabric, reinforced with a galvanised steel spiral, for ventilation systems in dryers and air extractors in caravans.

Applications

► Ventilation systems in dryers and air extractors in caravans.



Features

- For industrial use.
- Very flexible and extremely light.
- Good chemical resistance associated with PVC's resistance chart.
- Withstands temperatures between -10°C and 60°C.



INDUSTRIAL
USE



VENTILATION



SUCTION



METAL
SPIRAL



VERY FLEXIBLE



INT Ø mm	INT Ø in	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
82	3" 1/4	65	41	1.5
90	3" 1/2	70	45	1.4
102	4"	76	50	1.3
110	4" 5/16	90	55	1.1
127	5"	100	63	1
152	6"	120	75	0.85

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

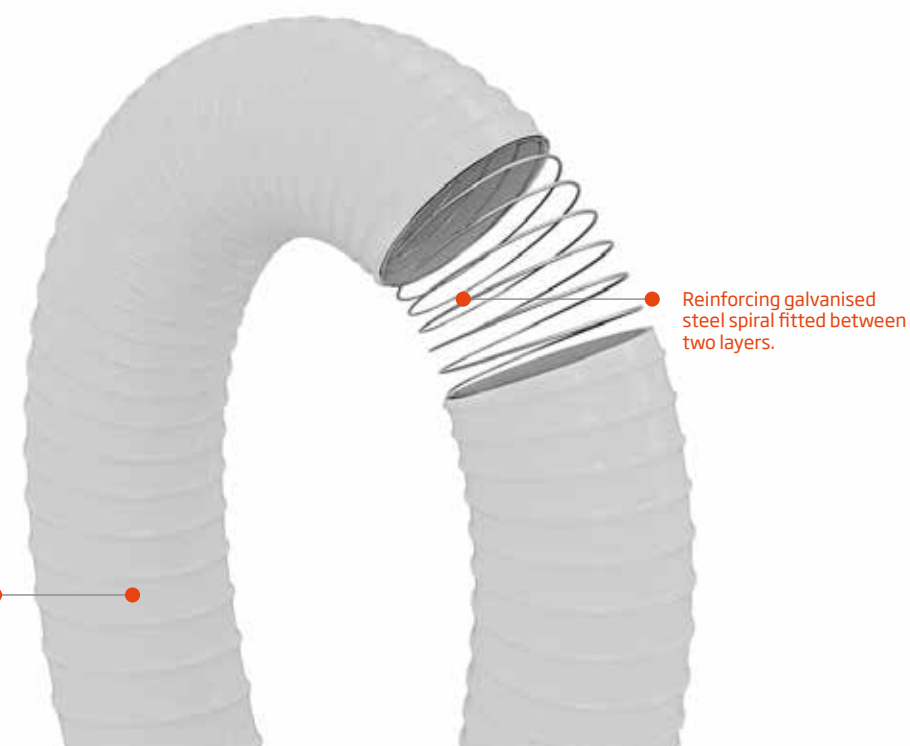


Thermoflex®

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.

Applications

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



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 -40°C and 130°C.



INDUSTRIAL
USE



VENTILATION



SUCTION



FLAME
RETARDANT



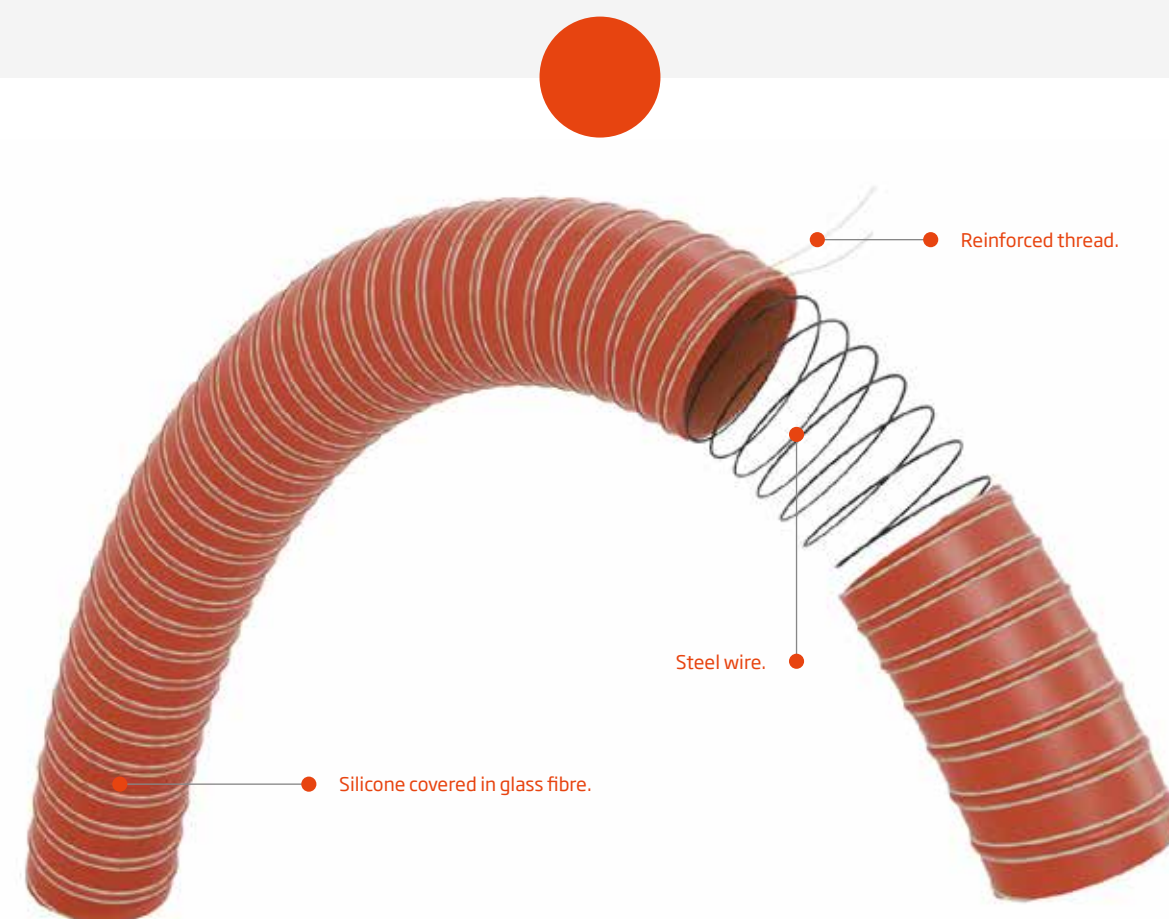
METAL
SPIRAL

INT Ø mm	INT Ø in	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
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

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

Espirosilicone®

Fireproof, silicone hose covered in glass fibre.
Designed to pipe air at high temperatures.



Features

- Silicone wall covered in glass fibre.
- Reinforced by a steel spiral fitted in the wall.
- The spiral's position is fixed by path cords on each side.
- Double layer.
- Highly resistant to heat.
- Waterproof, smooth interior, flexible.
- Large bending radius. Anti-knotting.
- Fire-retardant UL94.
- Temperature range -70°C to 260°C.



INDUSTRIAL
USE



VENTILATION



ANTISTATIC



HIGH
TEMPERATURES



METAL
SPIRAL



FREE
Cd / Pb / Ba

Applications

- ▶ Piping of hot and cold air.
- ▶ Piping/transfer of chippings in dryers in the plastic industry.
- ▶ Blowers, compressors and printers.
- ▶ Gas extinguishing technologies, engine construction, heat engines, aircraft construction and military industry.

INT Ø mm	INT Ø in	EXT Ø mm	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
20	¾"	24	120	24	7.3
25	1"	29	190	29	7.1
32	1" ¼	36	280	36	6.5
38	1" ½	43	310	43	6.0
44	1" ¾	49	350	49	5.8
51	2"	57	390	57	5.2
63	2" ½	68	490	68	4.6
76	3"	81	600	81	4.3
90	3" ½	95	710	95	4.0
102	4"	107	800	107	3.5
114	4" ½	120	890	120	3.0
127	5"	133	960	133	2.3
140	5" ½	146	1100	146	2.0
152	6"	158	1400	158	1.7
165	6" ½	171	1700	171	1.2
178	7"	184	1430	184	1.2
203	8"	209	1900	209	0.9
254	10"	260	2090	260	0.7
305	12"	311	2610	311	0.7

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

EspiroEVA®

Opaque, highly flexible, light hose made of ethylene copolymers for domestic and industrial suction.



Made with ethylene copolymers, and highly resistant to deformation, UV rays and harsh weather conditions.

Features

- For domestic and industrial use.
- Highly resistant to permanent deformities.
- Resistant to UV rays, the cold and breakage when extended.
- Its bending radius is approximately twice its external diameter.
- Minimum pressure drop.
- Withstands temperatures between -30°C and 55°C.
- Can also be made in black.



INDUSTRIAL
USE



DOMESTIC
USE



SUCTION



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba

Applications

► Domestic vacuums and in vehicles.

INT Ø mm	INT Ø in	EXT Ø mm	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O	COLOURS AVAILABLE
25	1"	32	160	65	9	 
32	1" 1/4	41	260	82	9	
38	1" 1/2	47	300	93	9	
45	1" 3/4	55	450	111	9	
51	2"	60	460	122	9	
60	2" 1/4	70	600	146	9	

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters



Pressure

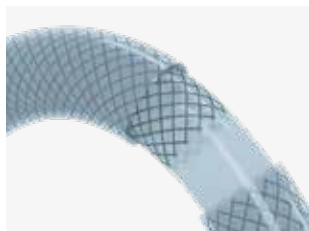


Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features.

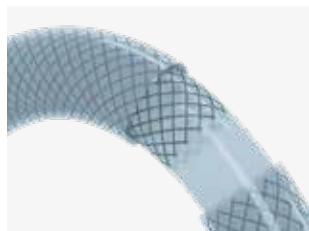
214
Bitubo



216
Mallatrans®



218
Mallatrans® EVA

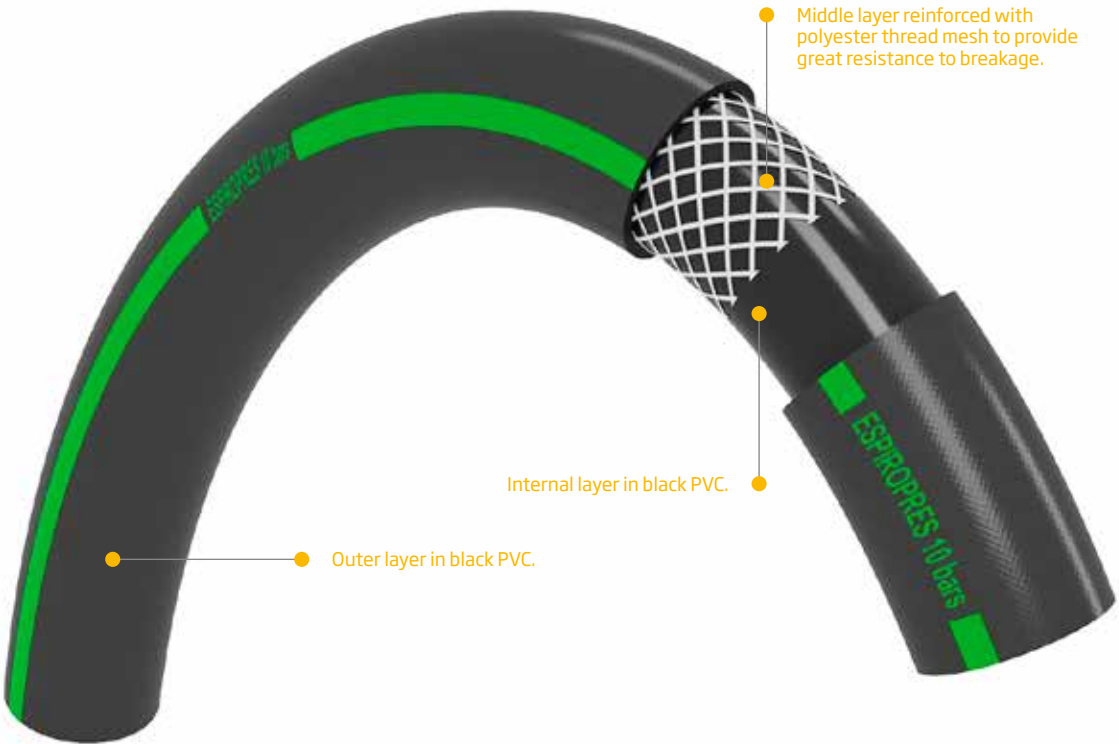


Espiopres® 10 bar

Multi-layer, plasticised PVC hose, reinforced with a polyester mesh. Specifically designed for medium-pressure compressed air equipment.

Applications

► Compressed air.



Features

- For industrial use and for the construction industry.
- Great flexibility and low permeability.
- Anti-knotting.
- Highly resistant to extension.
- Withstands temperatures between -10°C and 60°C.



INDUSTRIAL
USE



SPRAYS



EASY TO USE



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
6	1/4"	12	105	10	30
8	5/16"	14	130	10	30
10	3/8"	16	160	10	30
12	1/2"	18	180	10	30
16	5/8"	23	270	10	30
19	3/4"	27	365	10	30
25	1"	34	515	10	30

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters



Agripres® 20 bar

Multi-layer, plasticised PVC hose, reinforced by a polyester mesh. Specifically for fumigation equipment.

Applications

► Agricultural fumigation.



Features

- For agricultural use.
- Great flexibility and low permeability.
- Anti-knotting.
- Highly resistant to extension.
- Highly resistant to the absorption of fertilisers and pesticides.
- Withstands temperatures between -10°C and 60°C.



INT Ø mm	INT Ø in	EXT Ø mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	COLOURS AVAILABLE
6	1/4"	11	87	20	60	
8	5/16"	13	105	20	60	
10	3/8"	15	125	20	60	
13	1/2"	19	185	20	60	
16	5/8"	23	265	20	60	
19	3/4"	26	305	20	60	
25	1"	34	515	20	60	

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters



Espiropres® 20 bar

Multi-layer, plasticised PVC hose, reinforced by a polyester mesh. Specifically designed for medium-pressure compressed air equipment.

Applications

► Compressed air, hydraulic hammers.

Customisation available on request.

Middle layer reinforced with polyester thread mesh to provide great resistance to breakage.

Internal layer in black PVC.

Outer layer in black PVC.

Features

- For industrial use and for the construction industry.
- Great flexibility and low permeability.
- Anti-knotting.
- Highly resistant to extension.
- Withstands temperatures between -10°C and 60°C.



INDUSTRIAL USE



SPRAYS



EASY TO USE



HIGH QUALITY CONTROL



FREE FROM Cd / Pb / Ba

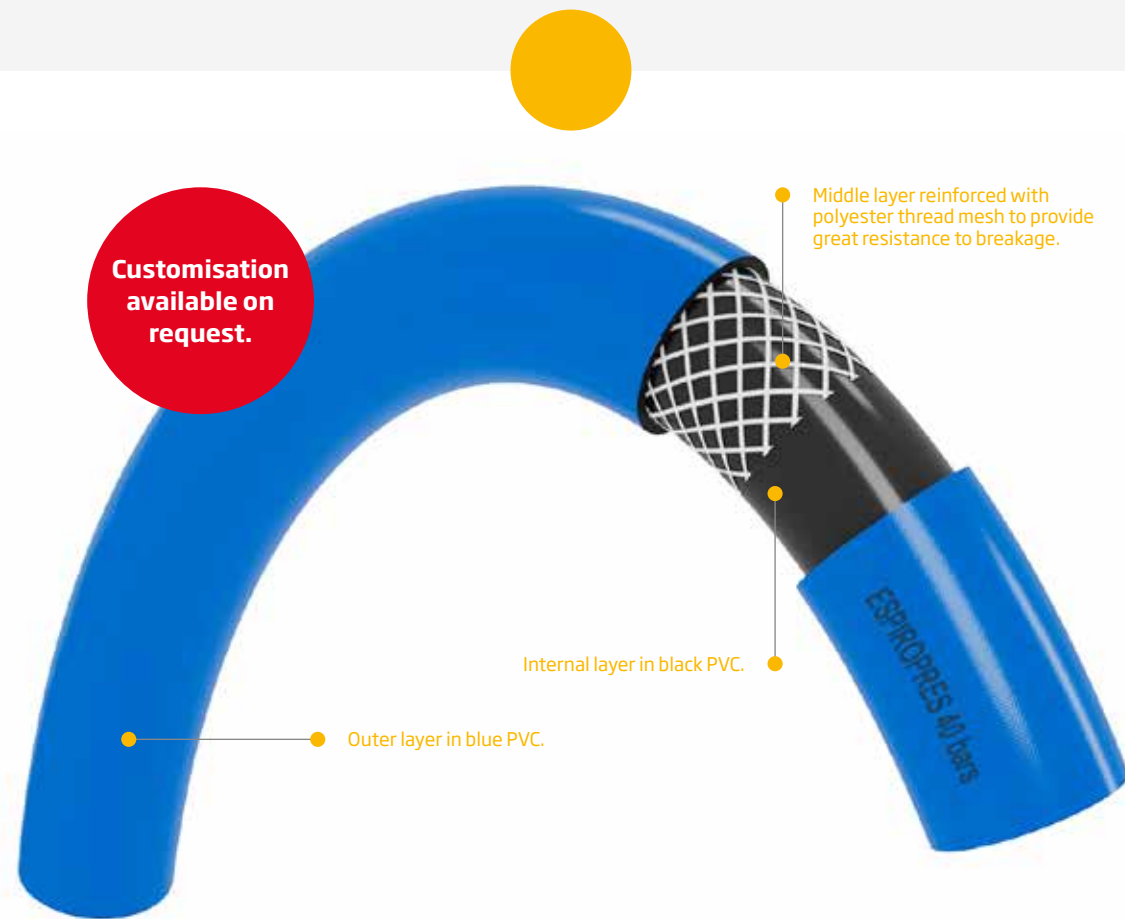
INT Ø mm	INT Ø in	EXT Ø mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar
6	1/4"	14	165	20	60
8	5/16"	16	200	20	60
10	3/8"	18	235	20	60
12	1/2"	21	310	20	60
16	5/8"	26	435	20	60
19	5/8"	29	490	20	60
25	1"	36	670	20	60

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters



Espiopres® 40 bar

Multi-layer, plasticised PVC hose, reinforced by a polyester mesh.
Specifically designed for medium-pressure compressed air equipment.



Features

- For agricultural and industrial use.
- Great flexibility and low permeability.
- Anti-knotting.
- Highly resistant to extension.
- Withstands temperatures between -10°C and 60°C.



AGRICULTURAL
USE



INDUSTRIAL
USE



SPRAYS



HIGH
PRESSURES



EASY TO USE



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba

Applications

- ▶ Pressure spraying of insecticides and antiparasitic treatments in agricultural uses.
- ▶ Pressurised liquid transport.
- ▶ Compressors.

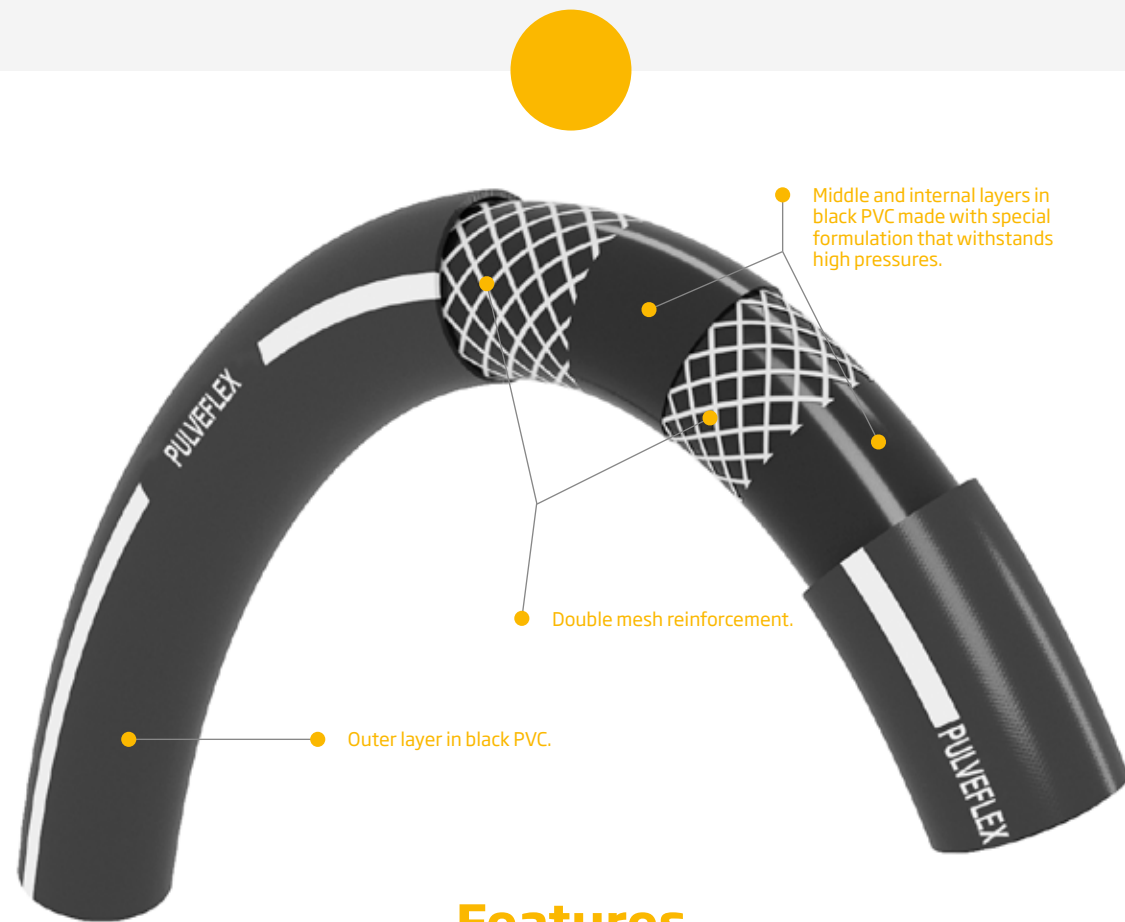
INT Ø mm	INT Ø in	EXT Ø mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRES- SURE bar	BENDING Ø mm	COLOURS AVAILABLE
8	5/16"	15	160	40	120	25	 
10	3/8"	16	150	40	120	30	
12	1/2"	19	254	40	120	35	
16	5/8"	24	315	40	120	60	
19	5/8"	27	360	40	120	75	
25	1"	35	585	40	120	110	

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters



Pulveflex® 80 bar

PVC hose with double polyester fibre reinforcement and manufactured using patented SINE TORSION technology that prevents the hose from twisting when used at high pressures. Specially designed for agricultural fumigation at high pressures. Installation in agricultural sanitary machinery: agricultural atomisers, nebulisers and sprayers.



Features

- For industrial use and for the construction industry.
- SINE TORSION TECHNOLOGY SYSTEM: patented technology that prevents the usual kinks from happening when twisted on itself in use at maximum pressure.
- Great flexibility and low permeability.
- Equipped with a double layer of polyester mesh.
- Anti-knotting.
- Highly resistant to extension.
- Withstands temperatures between -10°C and 60°C.



AGRICULTURAL USE



INDUSTRIAL USE



SPRAYS



HIGH PRESSURES



EASY TO USE



HIGH QUALITY CONTROL



FREE FROM Cd / Pb / Ba

Applications

- ▶ Installation in agricultural sanitary machinery: agricultural atomisers, nebulisers and sprayers.
- ▶ Piping of liquids at high pressures.
- ▶ Compressors.

INT Ø mm	INT Ø in	EXT Ø mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar
8	5/16"	15	170	80	240
10	3/8"	17	190	80	240
12	1/2"	20	270	80	240
16	5/8"	26	445	80	240
19	3/4"	30	535	80	240

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters



Espiropres® 20 bar
Rubber

20 bar pressure hose made of nitrile rubber and PVC with special resistance to industrial oils



Features

- Industrial use.
 - Great flexibility and high resistance to breakage due to elongation.
 - Specially designed for the transfer of gasoline and its derivatives.
- Good chemical resistance, associated with the PVC resistance table.
 - The recommended temperature for use is between -10 °C and 60 °C.



INDUSTRIAL
USE



RESISTANT TO
HYDROCARBONS



CONSTRUCTION



LIGERA



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba

Applications

- Compressed air, pneumatic hammer, pneumatic drill.

INT Ø mm	INT Ø in	Ø EXT mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar
6	11/64"	12	114	20	60
8	13/64"	15	170	20	60
10	1/4"	17	200	20	60
13	9/32"	21	285	20	60
16	5/16"	25	390	20	60
19	19	29	505	20	60
25	19	36	705	20	60

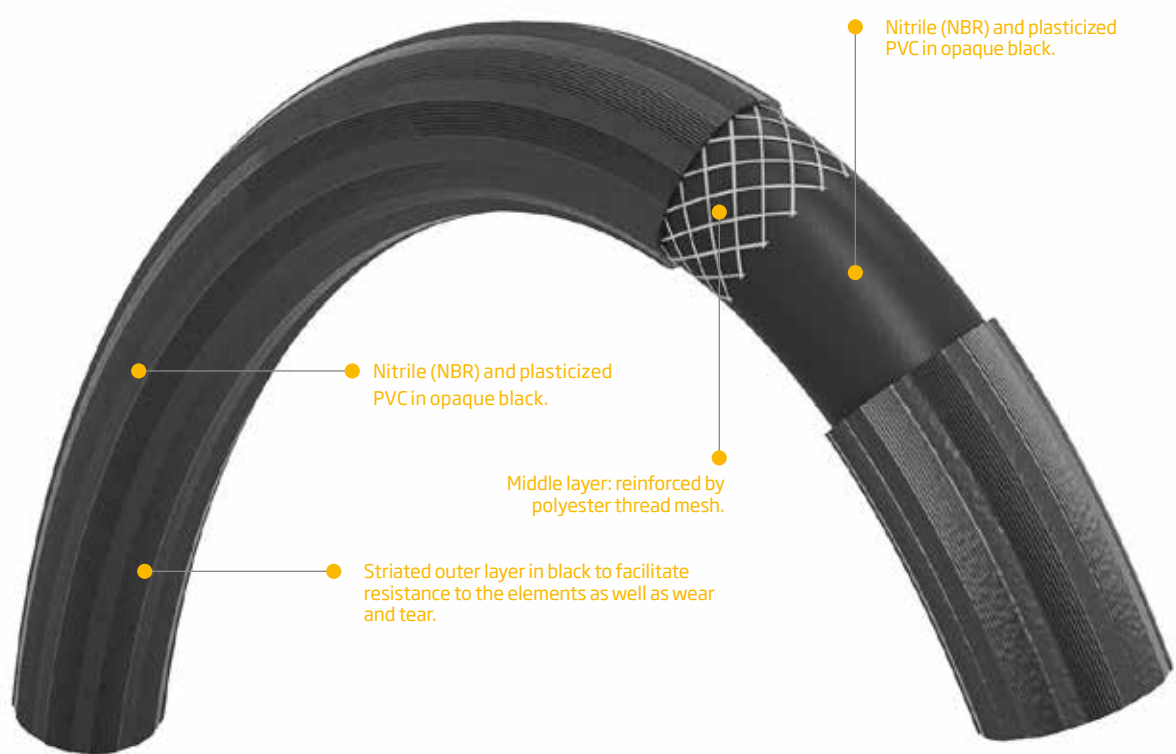
Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

Espirocord® Rubber

Hose manufactured by extrusion of rubber compounds and vinyl resin, with mesh of polyester threads.

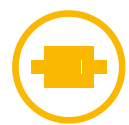
Applications

- ▶ Construction.
- ▶ Irrigation and sprinkling in general, gardening, horticulture and floriculture.

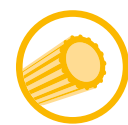


Features

- Hose reinforced inside by a polyester mesh to withstand considerable pressure and provide it with resistance to breakage in elongation.
- Non-toxic.
- Very flexible and manageable.
- Externally ribbed and black in color to facilitate resistance to atmospheric agents and wear.
- Withstands temperatures between -20 °C and 75 °C.



CONSTRUCTION



STRIATED



HIGH PRESSURES



EASY TO USE



HIGH QUALITY CONTROL



FREE FROM CD / PB / BA

ø INT mm	ø INT in	ø EXT mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar
8	5/8"	13	105	20	60
10	3/8"	16	160	20	60
12	1/2"	18	180	20	60
15	5/8"	21	220	16	48
19	3/4"	26	320	16	48
25	1"	33	470	10	30

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

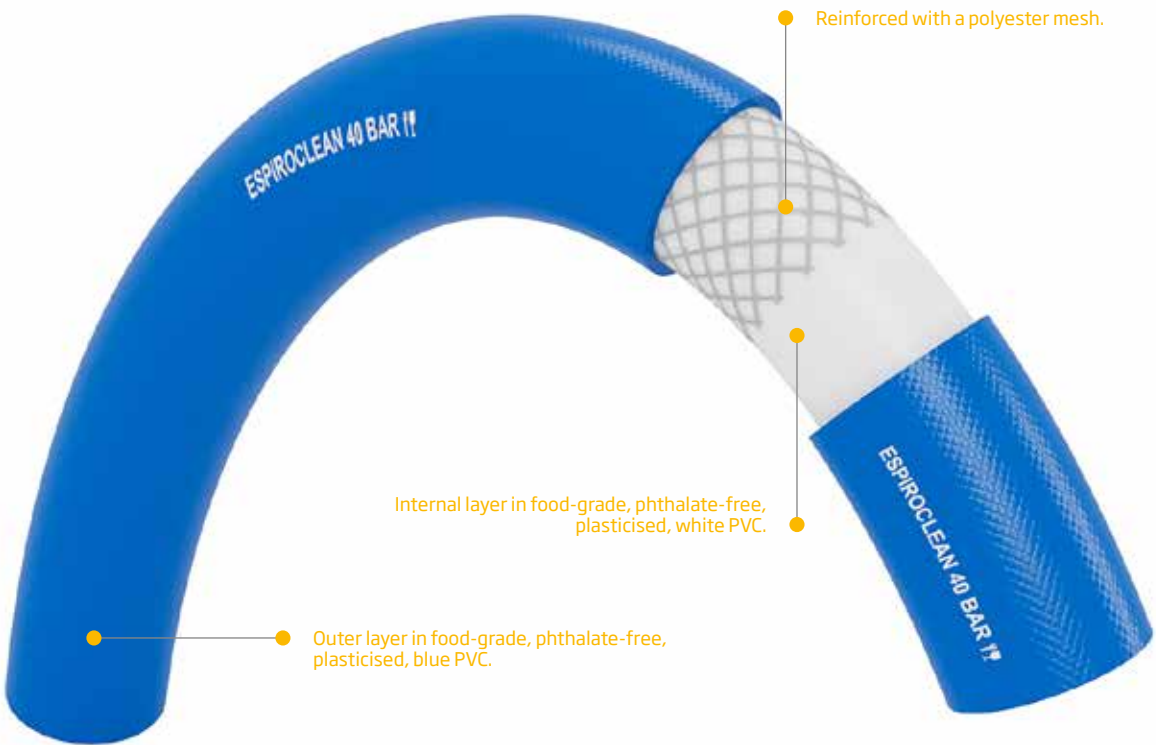


Espiroclean® 40 bar

Multi-layer, plasticised PVC hose, reinforced with a polyester mesh.
Specifically designed for medium-pressure compressed air equipment

Applications

► Cleaning of industrial food and catering facilities. Designed to withstand medium pressures.



Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- Highly flexible, anti-knotting and highly resistant to extension.
- Good chemical resistance associated with PVC's resistance chart.
- Withstands temperatures between -10°C and 80°C.



INDUSTRIAL
USE



FOOD
USE



POLYESTER
REINFORCEMENT



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba



PHthalate - FREE

INT Ø mm	INT Ø in	EXT Ø mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar
12	1/2"	20	245	40	120
16	5/8"	24	310	40	120
19	3/4"	28	390	40	120
25	1"	34	515	40	120

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

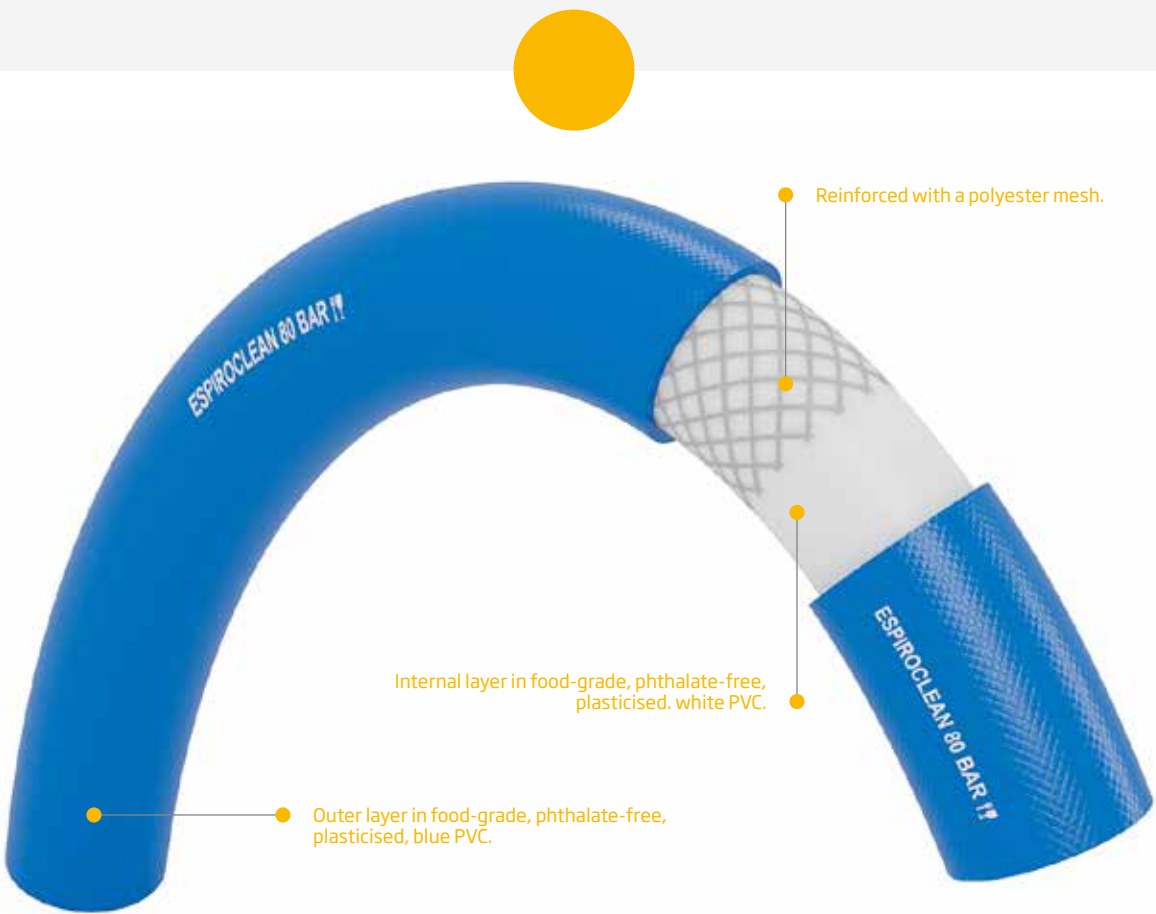


Espiroclean® 80 bar

Multi-layer, plasticised PVC hose, reinforced with a double polyester mesh.
Specifically designed for high-pressure compressed air equipment.

Applications

► Cleaning of industrial food and catering facilities. Designed to withstand medium pressures.



Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- Highly flexible, anti-knotting and highly resistant to extension.
- Double mesh reinforcement to withstand high pressure.
- Good chemical resistance associated with PVC's resistance chart.
- Withstands temperatures between -10°C and 80°C.



INDUSTRIAL
USE



FOOD
USE



5 LAYERS



HIGH
PRESSURES



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba

ø INT mm	INT ø in	ø EXT mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar
12	1/2"	22	325	80	240

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters



Espiopres® PU

Pressure hose made of polyurethane (PU) with textile reinforcement for industrial robotics, silicone free.

Applications

► Compressed air, pneumatics, airbrushes, cooling circuits, paint gun, sandblasting and abrasive material suction.

202

ESPIOPRES® PU



Features

- PU tube reinforced with polyester thread.
- Very light and flexible even at low temperatures.
- High resistance to abrasion, hydrolysis and microorganisms.



FOOD USE



INDUSTRIAL USE



HIGH PRESSURES



HIGH QUALITY CONTROL



FREE FROM Cd / Pb / Ba



TEMPERATURA -15 °C / 60 °C



SPRAYS



ANTIABRASIF

203

ESPIOPRES® PU

ø INT mm	ø INT in.	ø EXT mm	WEIGHT g/m	OPERATING PRESSURE bar	PRESSURE BURST PRESSURE bar	BENDING RADIUS mm
6	1/4"	10	65	20	60	20
8	5/16"	12	85	20	60	22
9.7	3/8"	13.7	90	20	60	35
10	3/8"	15	130	20	60	38
10	3/8"	19	140	20	60	50
13	1/2"	19	195	20	60	55
16	5/8"	23	250	20	60	60

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters



ESPIROFLEX. MANUFACTURE OF FLEXIBLE HOSES

ESPIROFLEX. MANUFACTURE OF FLEXIBLE HOSES



Espiopres® PU
Conductivo

Reinforced anti-abrasive polyurethane (PU) and thermoplastic rubber compound hose with polyester fiber, used in machinery regulated by ATEX regulations, for tools pneumatics in general, airbrushes and paint guns.

Applications

► Machinery regulated by ATEX regulations for pneumatic tools in general, airbrushes and paint guns.



Features

- PU tube reinforced with polyester thread.
- Very light and flexible even at low temperatures.
- High resistance to abrasion, hydrolysis and microorganisms.



TRANSPORT OF CHEMICALS



INDUSTRIAL USE



EASY TO USE



HIGH PRESSURES



HIGH QUALITY CONTROL



SPRAYERS



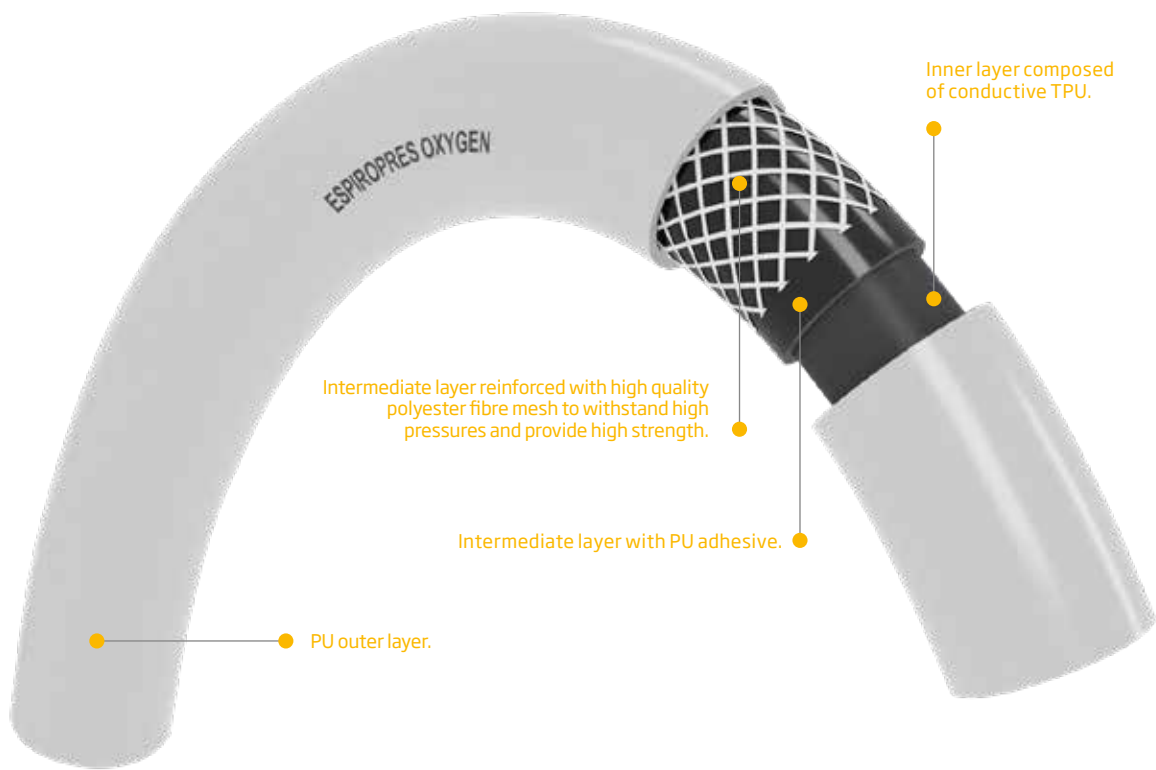
ANTI-ABRASION

ø INT mm	ø INT in.	ø EXT mm	WEIGHT g/m	OPERATING PRESSURE bar	PRESSURE BURST PRESSURE bar	BENDING RADIUS mm
6	1/4"	10	65	20	60	20
8	5/16"	12	85	20	60	22
9.7	3/8"	13.7	90	20	60	35
10	3/8"	15	130	20	60	38
10	3/8"	19	140	20	60	50
13	1/2"	19	195	20	60	55
16	5/8"	23	250	20	60	60

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

Espiopres® Oxygen

PVC hose with conductive TPU inner layer, reinforced with polyester mesh and a PU adhesive interlayer, for low pressure delivery and light suction of gas in medical equipment supply systems. Suitable for conveying air, oxygen, nitrogen oxide, helium and carbon dioxide. Manufactured in accordance with the requirements of ISO 5359.



Features

- Reinforced hose to avoid crushing.
- Antistatic property.
- High temperature resistance



ANTI-ABRASION



INDUSTRIAL USE



TRANSPORT OF CHEMICALS



SIN FLATATOS



HIGH QUALITY CONTROL



FREE FROM CD / PB / BA



EASY TO USE

Applications

- ▶ Nuclear power plants.
- ▶ Petrochemicals.
- ▶ Application of paint in construction and industry.
- ▶ Asbestos removal and rehabilitation of premises.

Ø INT mm	Ø INT in.	Ø EXT mm	WEIGHT g/m	OPERATING PRESSURE bar	PRESSURE BURST PRESSURE bar	BENDING RADIUS mm
6	1/4"	10	65	20	60	20
8	5/16"	12	85	20	60	22
9.7	3/8"	13.7	90	20	60	35
10	3/8"	15	130	20	60	38
10	3/8"	19	140	20	60	50
13	1/2"	19	195	20	60	55
16	5/8"	23	250	20	60	60

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

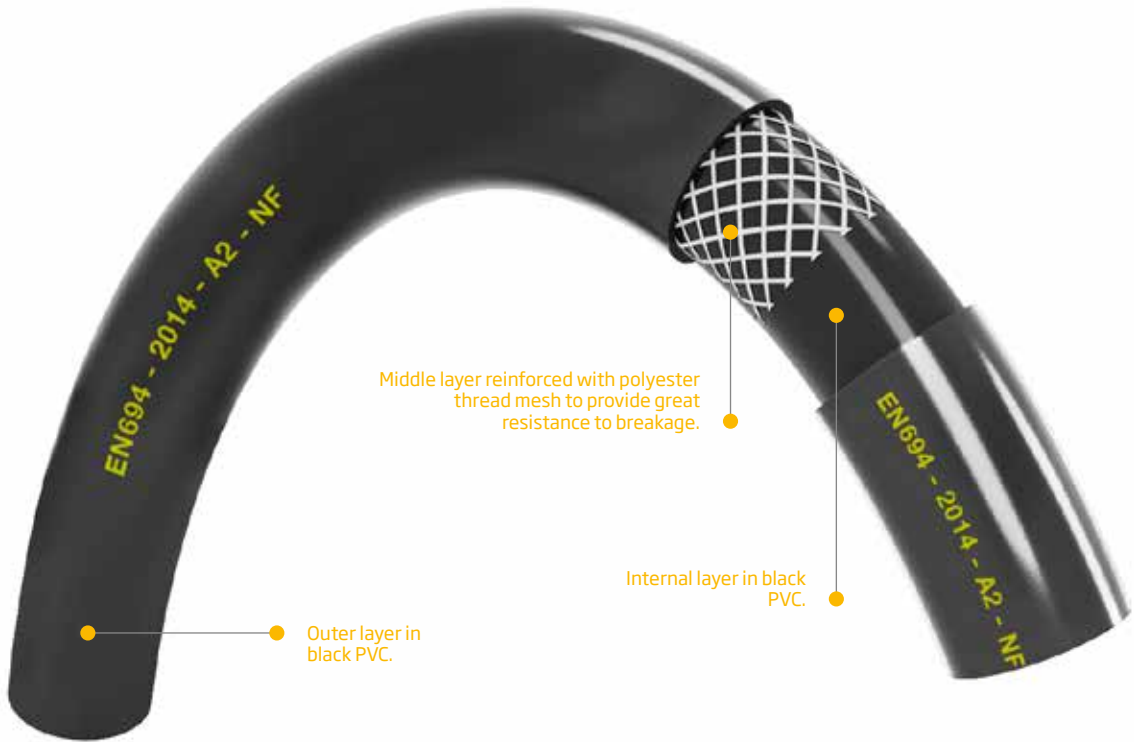


R.I.A.®

Flexible, multi-layer hose with a reinforced, braided, polyester thread interior to be used in fire extinguishers.
Manufactured in accordance with EN 694.

Applications

- ▶ Hoses for fire extinguishers with water or dry chemical extinguishing agents.



Features

- Product certified by the French quality association AFNOR in line with NF021 certification protocol.
- Hose especially for fire extinguishing equipment manufactured in accordance with EN 694.
- Temperature range between -20°C and 60°C.



INDUSTRIAL USE



HIGH PRESSURES

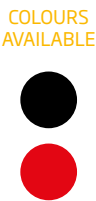


HIGH QUALITY CONTROL



FREE FROM Cd / Pb / Ba

Ø INT mm	INT Ø in	Ø EXT mm	WEIGHT g/m	OPERATING PRESSURE bar	PRESSURE BURST PRESSURE bar
19	¾"	26	315	12	42
25	1"	32	440	12	42
33	1 5/16"	41	670	7	24,5



Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

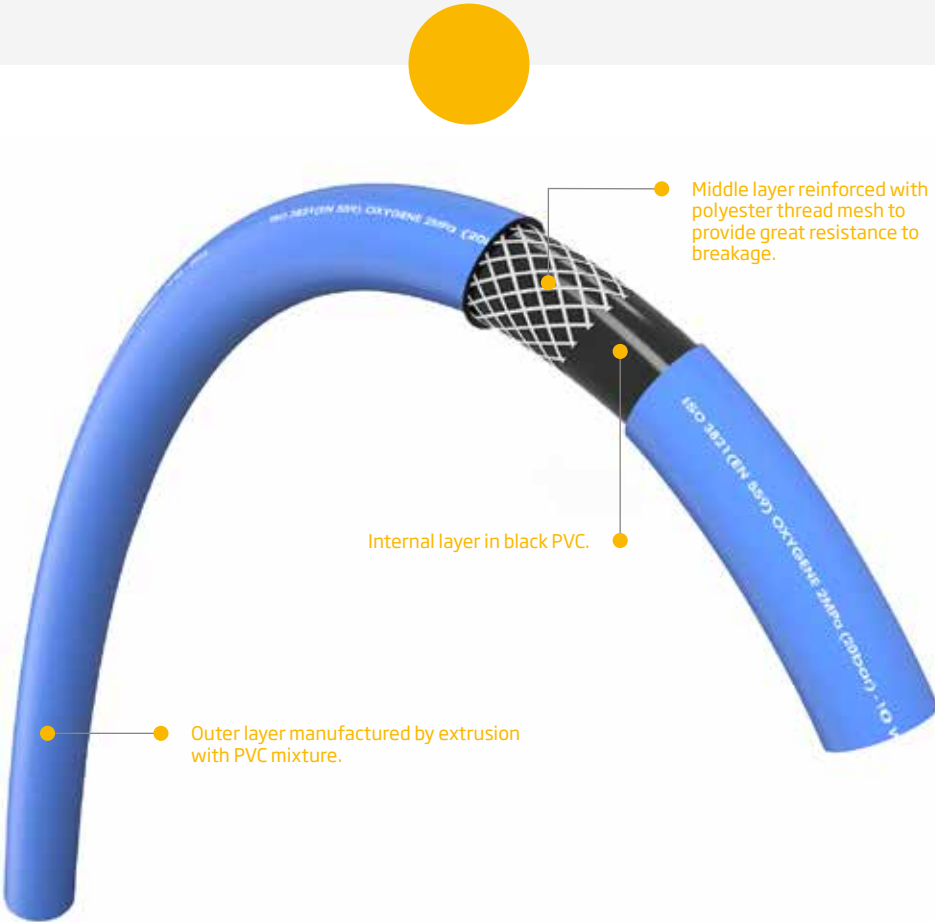


Oxygen

Multi-layer, flexible PVC hose, reinforced with polyester mesh. Specifically for conducting oxygen in welding equipment.

Applications

▶ Conducting oxygen and acetylene for welding.



Features

- For industrial use.
- Highly flexible and easy to handle.
- Highly resistant to breakage when extended.
- Highly resistant to traction (7.5 MPa) and pressure at high temperatures.
- Good chemical resistance associated with PVC's resistance chart.
- Recommended temperature for use between -10°C and 60°C.
- Rubber option.



INDUSTRIAL USE



HIGH PRESSURES



EASY TO USE



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
8	5/16"	15	160	20	60
10	3/8"	17	170	20	60

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

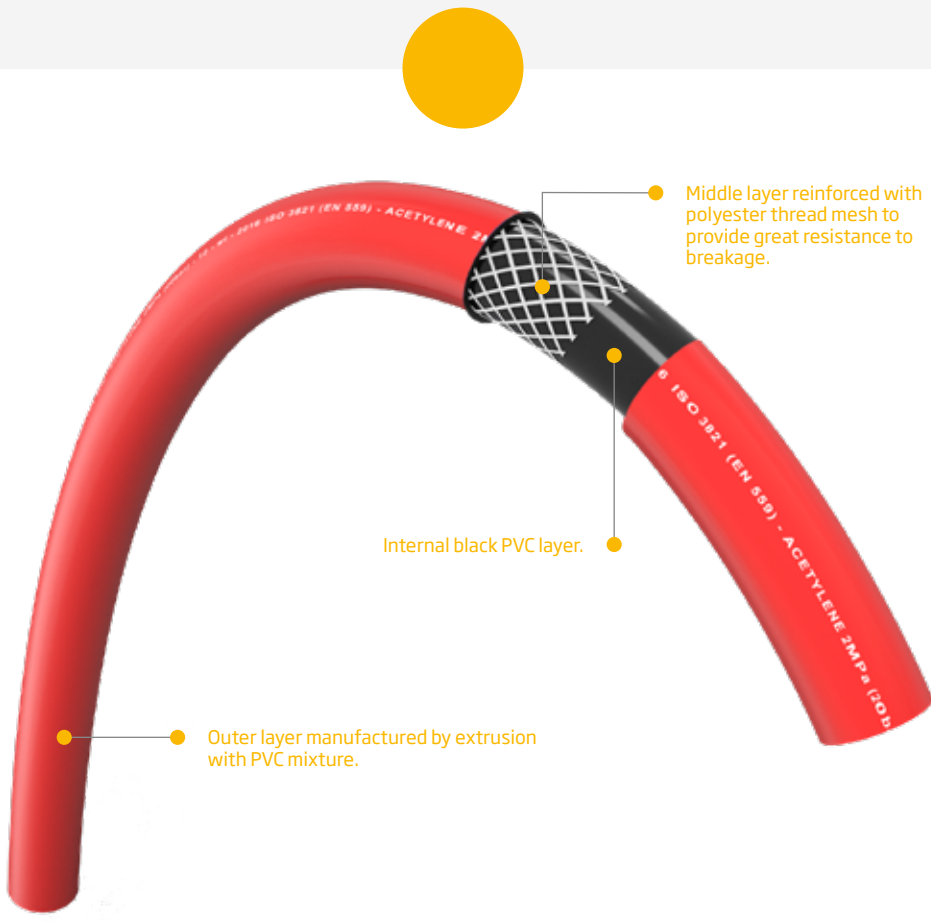


Acetylene

Multi-layer, flexible PVC hose in red, reinforced with a polyester mesh. Specifically for conducting acetylene in welding equipment.

Applications

▶ Conducting oxygen and acetylene for welding.



Features

- For industrial use.
- Highly flexible and easy to handle.
- Highly resistant to breakage when extended.
- Highly resistant to traction (7.5 MPa) and pressure at high temperatures.
- Good chemical resistance associated with PVC's resistance chart.
- Recommended temperature for use between -10°C and 60°C.
- Rubber option.



HIGH PRESSURES



EASY TO USE



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
8	5/16"	15	160	20	60
10	3/8"	17	170	20	60

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances. Depending on technical developments, specifications may be modified without advance notice being given. Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters

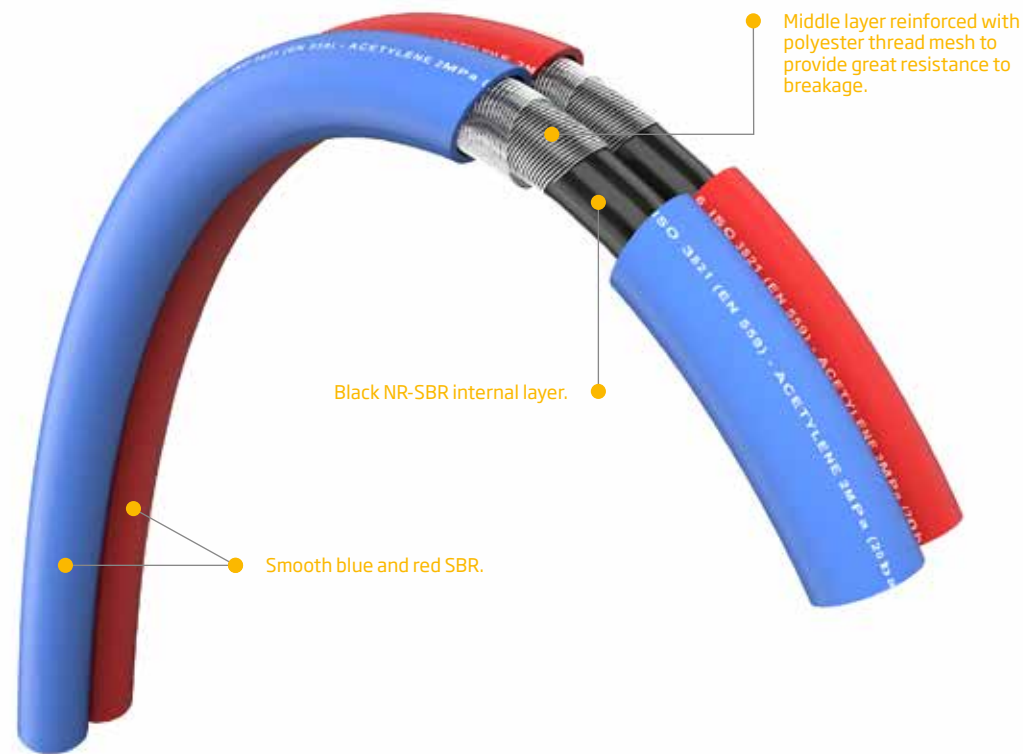


Bitubo

Very light and flexible double rubber hose manufactured via continuous manufacturing. Manufactured according to our own specifications and in line with EN 559.

Applications

► Designed especially for welding tasks, oxy-fuel welding and cutting, and similar industry techniques, shipbuilding and construction.



Features

- Made of smooth, black EPDM/SBR, reinforced by synthetic, high-tenacity thread.
- Guarantees perfect adherence thanks to collective extrusion.
- Resistant to abrasion.
- Smooth or striated red or blue surface.
- Withstands temperatures between -25°C and 100°C.



INDUSTRIAL
USE



CHEMICAL
TRANSPORT

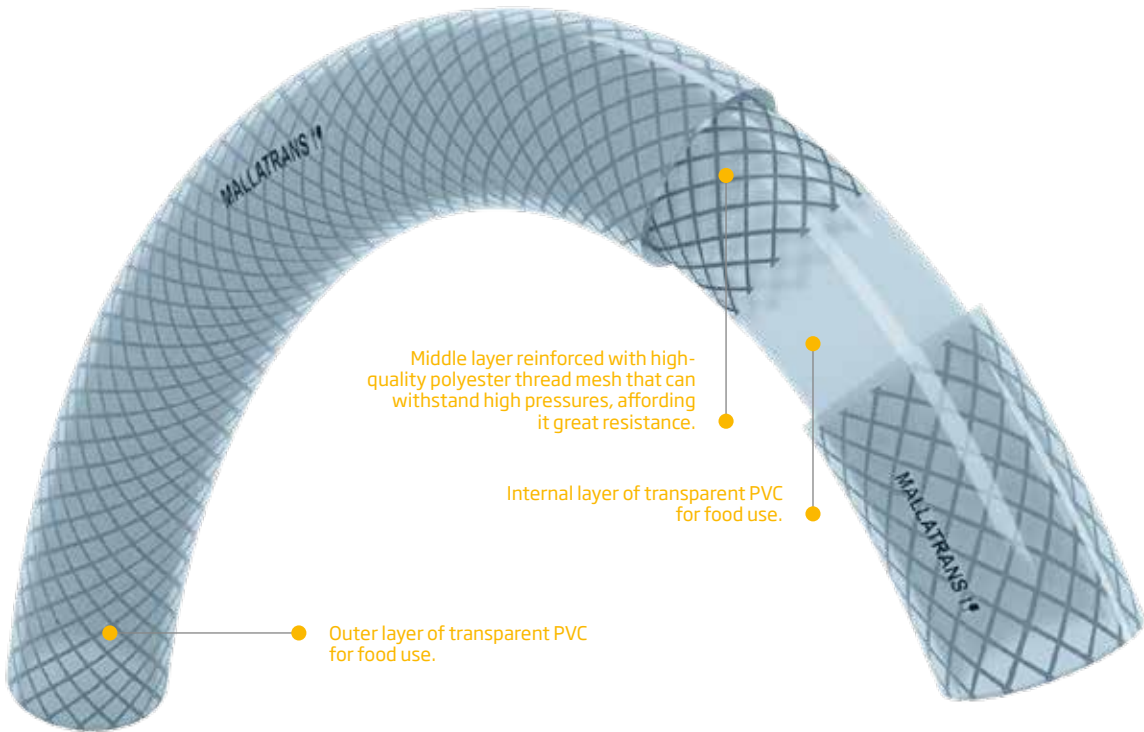
INT Ø mm	INT Ø in	EXT Ø mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar
6+6	1/4" + 1/4"	12+12	26	10/20	30/60
8+9	5/16" + 3/8"	16+16	44	10/20	30/60

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters



Mallatrans®

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 (see declaration of conformity).
- 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.



FOOD
USE



INDUSTRIAL
USE



EASY TO USE



LIGHT



HIGH QUALITY
CONTROL



FREE FROM
Cd / Pb / Ba

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.

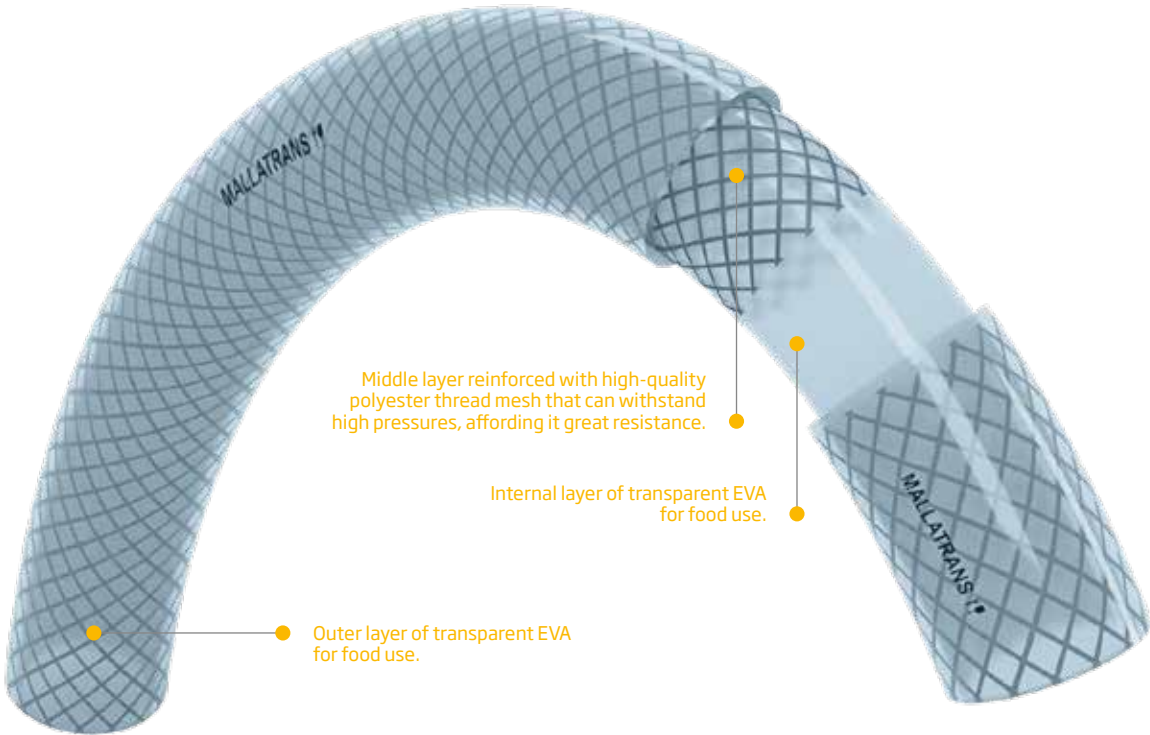
INT Ø mm	INT Ø in	EXT Ø mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	COLOURS AVAILABLE
6	1/4"	11	83	15	45	15	
8	5/16"	11	55	15	45	20	
10	3/8"	14	93	15	45	30	
12	1/2"	15	80	15	45	35	
15	5/8"	22	260	15	45	45	
19	5/8"	25	260	10	30	75	
20	3/4"	26	275	10	30	80	
25	1"	31	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	

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
Consult us for other diameters, colours and features. Ask our Sales Department about the minimum purchase amounts assigned to non-standard diameters



Mallatrans® EVA

Hose manufactured by extruding polyethylene components. Internally reinforced with a highly-resistant, polyester thread mesh.



Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011.
- Highly resistant to breakage when extended.
- Highly flexible and easy to handle.
- Free from halogens.
- Transparent so the materials transported are always visible.
- Hose with good chemical resistance associated with polyethylene's usual properties.
- Withstands temperatures between -10°C and 60°C.



FOOD USE



INDUSTRIAL USE



AGRICULTURAL USE



HIGH PRESSURES



HIGH QUALITY CONTROL



FREE FROM Cd / Pb / Ba

Applications

- ▶ Transfer of liquid food products that require food simulants A, B and C 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.
- ▶ Drink dispensers.

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"	12	104	20	60	25
7	9/32"	14	142	20	60	30
8	5/16"	14	128	15	45	30
10	3/8"	16	148	15	45	35

Pressure at room temperature in laboratory / Nominal values without considering manufacturing tolerances.
Depending on technical developments, specifications may be modified without advance notice being given.
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