



Lantech
solutions

SOLUTIONS FOR THE FOOD & DRINK INDUSTRY

HOSE • HOSE ASSEMBLIES • WASHDOWN • HOSE REELS

MILKLINE
FOOD GRADE HOSE

DAIRYLINE
FOOD GRADE HOSE

SPIRITLINE

FOODLINE
FOOD GRADE HOSE

BREWLINE
FOOD GRADE HOSE

A PART OF

R&G
FLUID POWER GROUP

SOLUTIONS FOR THE FOOD & DRINK INDUSTRY

Hose Assemblies • Washdown Hose & Guns • Hose Reels • Ducting & Hose

Welcome to the new 2025 Lantech brochure highlighting our hygienic hose and couplings offer for the wider food & drink sector.

Alongside established manufacturers like Trelleborg and stalwart brands such as Citerdial, Alikler and Lactadial, we are proud to introduce our new EU manufactured ranges; Milkline, Dairyline, Brewline, Spiritline & Foodline.

Assemblies are our speciality, with everything being manufactured in accordance with ISO9001.

All Lantech hygienic hose assemblies are 100% Hydrostatically Tested and supplied with a test certificate.

Full site surveys are available that will help ensure your business is safe, efficient and compliant when it comes to flexible pipework and fittings.



WHO IS LANTECH SOLUTIONS?

Lantech Solutions Ltd is a leading UK distributor for Trelleborg Hose. We have many years of designing and building flexible hose assemblies, from hygienic & pharmaceutical products, to industrial and chemical applications.

Our expertise and operational equipment allows us to offer the highest quality products and services, including periodic hose surveys to enhance your operation and prevent downtime and maximise productivity.

Our stock of hose and fittings enable us to provide a fast turnaround for our customers. We pride ourselves on quality and service.



As well as the manufacture and supply of fluid transfer products, we also provide hose management services, enabling you to keep a concise tracking system of hose age, location & general condition.

We take huge pride in our products and customer service, because since 2003, Lantech Solutions Ltd have been at the forefront of hose manufacture within the UK and Europe, with our exacting standards and operational discipline. Working successfully within the bounds of ISO 9001 since 2009.



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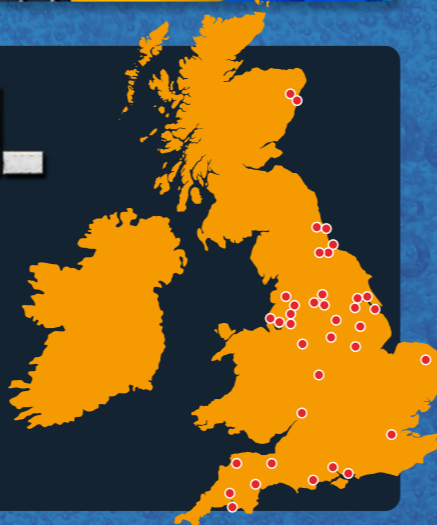
R&G INDUSTRIAL

Lantech Solutions are a part of R&G Industrial, a group of companies dedicated to providing hose, couplings & engineered solutions to business and industry.

R&G Industrial is a division of R&G Fluid Power Group, a unique network of renowned fluid power businesses.

Divisions of expertise:

- Industrial Hose & Couplings
- Hydraulics
- Gaskets & Sealing



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MILKLINE

FOOD GRADE HOSE

Highly flexible and lightweight. The perfect solution for milk tankers, tanker bays and where frequent manual handling is required.

MILKFLEX® Crush Resistant

6 bar NR Crush Resistant Milk Tanker Hose

OPERATING TEMPERATURE
-40°C ↔ 80°C

Milkflex CR is a 6bar milk tanker hose but features a thermoplastic helix instead of a steel helix. This makes the hose lighter in weight than standard Milkflex but it's main feature is the ability for the hose to regain its shape if it is accidentally crushed.

Milkflex CR has a constant working pressure of 6bar across the size range and can also be used on suction applications albeit the vacuum rating is reduced compared to standard Milkflex.

The hose liner is white NR and is tested and approved in accordance with **FDA 21 CFR 177.2600** – rubber products intended for repeated use in manufacturing, packing, processing, preparing, packaging, transporting or holding food.

The hose cover is a traditional non-marking, smooth cloth impression Blue rubber that offers resistance to abrasion, UV and Ozone.

Milkflex CR is **phthalates free**

Milkflex CR meets the requirements of **1907/2006/CE** (REACH – Registration, Evaluation, Authorisation and restriction of Chemicals).

Suitable for a temperature range of **-40°C to +80°C**

INSIDE DIAMETER		OUTSIDE DIAMETER		VACUUM		WORKING PRESSURE		BURST PRESSURE		APPR. WEIGHT		BENDING RADIUS	
mm	in	mm	in	bar	psi	bar	psi	bar	psi	kg/mt	lbs/ft	mm	in
38	1,50	52	2,05	0,7	10	6	90	18	270	1,15	0,77	130	5,12
51	2,00	65	2,56	0,7	10	6	90	18	270	1,45	0,97	185	7,28
63,5	2,50	79,5	3,13	0,7	10	6	90	18	270	1,94	1,30	240	9,45
76	3,00	92	3,62	0,7	10	6	90	18	270	2,20	1,48	300	11,81
80	3,15	96	3,78	0,7	10	6	90	18	270	2,40	1,61	320	12,60

MILKFLEX®

6 Bar NR Milk Tanker Hose

OPERATING TEMPERATURE
-40°C ↔ 80°C

This hose is designed for the milk tanker industry. It's main attributes being it is very lightweight and flexible making it easier for operators to handle when transferring milk.

Milkflex has a constant working pressure of 6bar across the size range and can also be used on suction applications due to it's high tensile steel embedded helix.

The hose liner is white NR and is tested and approved in accordance with **FDA 21 CFR 177.2600** – rubber products intended for repeated use in manufacturing, packing, processing, preparing, packaging, transporting or holding food.

The hose cover is a traditional non-marking Blue rubber that offers resistance to abrasion, UV & Ozone.

Milkflex is **phthalates free** • Milkflex meets the requirements of **1907/2006/CE** (REACH – Registration, Evaluation, Authorisation and restriction of Chemicals).

Suitable for a temperature range of **-40°C to +80°C**

INSIDE DIAMETER		OUTSIDE DIAMETER		VACUUM		WORKING PRESSURE		BURST PRESSURE		APPR. WEIGHT		BENDING RADIUS	
mm	in	mm	in	bar	psi	bar	psi	bar	psi	kg/mt	lbs/ft	mm	in
25	1,00	36	1,42	0,9	13	6	90	18	270	0,72	0,48	75	2,95
32	1,25	43	1,69	0,9	13	6	90	18	270	0,88	0,59	95	3,74
38	1,50	50	1,97	0,9	13	6	90	18	270	1,20	0,80	115	4,53
51	2,00	63	2,48	0,9	13	6	90	18	270	1,54	1,03	150	5,91
63,5	2,50	75,5	2,97	0,9	13	6	90	18	270	1,98	1,33	190	7,48
76	3,00	90	3,54	0,9	13	6	90	18	270	2,76	1,85	230	9,06
102	4,00	116	4,57	0,9	13	6	90	18	270	3,78	2,53	300	11,81

CITERDIAL

6 Bar Food & Drink Hose Assemblies

OPERATING TEMPERATURE
-30°C ↔ +80°C

Citerdial food and drink hose is very well respected in the Food & Drink sector. It is an extremely flexible hose that provides exceptional ease of handling to the food, brewery, dairy and beverage industries. This hose can transfer liquids such as fruit juice, wine, cider, beer, vinegar, alcohol up to 96% and drinking water. Not suitable for fatty foodstuffs & oils

Citerdial hose is constructed with FDA approved smooth seamless white NR liner, which means the hose liner is resistant against detergents used in hose sterilisation. The outer cover is a NR blue non-marking NR rubber, offering excellent resistance to abrasion, ozone and chemicals used in cleaning processes.

Citerdial hose can be supplied in continuous lengths up to 40m, but is mostly supplied in bespoke assemblies.

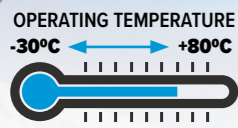
We can offer assemblies with the following coupling types in 316 stainless steel

- BSP
- RJT
- Triclover/Tricclamp style
- IDF
- DIN
- SMS

ALL ASSEMBLIES ARE 100% PRESSURE TESTED AND SUPPLIED WITH INDIVIDUAL IDENTIFICATION AND TEST CERTIFICATED.

- Suitable for milk tankers, processing and filling plants. Also suitable for transfer of beer, wine, cider, fruit juice, vinegar & alcohol > 96%.
- Extremely flexible, can achieve a very small bend radius without kinking.
- Smooth seamless white tube that does not propagate bacterial growth and meets European and USA regulations
- Unaffected by changes in temperature, unlike PVC products.
- Resistant to cleaning with detergents or steam to max temp of 110°C
- Non-marking abrasion resistant cover
- Contains no Phthalate
- Inner Tube: Food grade NR, white, smooth
- Reinforcement: Synthetic textile with embedded steel helix
- Cover: Weather and abrasion resistant NR, blue
- Temperature Range: -30°C to +80°C
- Sizes: from minimum ID of 25.0mm/ OD of 36.0mm to Maximum ID of 150.0mm/OD of 171.5mm
- Working Pressure: 6 bar across all bore sizes.
- Bursting Pressure: 18 bar across all bore sizes.
- Standard Approval: EU regulation no. 1935/2004 and 2023/2006 FDA regulation no. 21 CFR 177.2600

LACTADIAL
6 Bar Milk Tanker Hose Assemblies



- The ideal hose for milk tanker applications. Not suitable for fatty foodstuffs and oils
- PET internal helix reduces weight and improves flexibility, making Lactadial an easier hose to handle.
- PET helix has crushproof properties and unlike steel helix allows the hose to recover its shape despite any accidental 'squeeze'
- Smooth seamless white tube means less likelihood of 'bug traps' and consequential bacterial growth.
- Complies with the most stringent European and USA regulations
- Unaffected by changes in temperature unlike PVC products.
- Resistant to cleaning with detergents or steam to max temp of 110°C
- Non-marking abrasion resistant cover
- Contains no Phthalate
- Inner Tube: Food grade NR, white, smooth
- Reinforcement: Synthetic textile with embedded PET helix
- Cover: Weather and abrasion resistant NR, blue
- Temperature Range: -30°C to +80°C

TRELLEBORG

Lactadial hose can be supplied in continuous lengths up to 40m, but is mostly supplied in bespoke assemblies.

We can offer assemblies with the following coupling types in 316 stainless steel

- BSP
- RJT
- Triclover/Tricclamp style
- IDF
- DIN
- SMS

- Sizes: From minimum ID of 51.0mm/ OD of 64.5mm to maximum ID of 76.0mm/OD of 91.5mm
- Working Pressure: 6 bar
- Bursting Pressure: 18 bar
- Standard Approval: EU regulation no. 1935/2004 FDA regulation no. 21 CFR 177.2600

ALL ASSEMBLIES ARE 100% PRESSURE TESTED AND SUPPLIED WITH INDIVIDUAL IDENTIFICATION AND TEST CERTIFICATED.



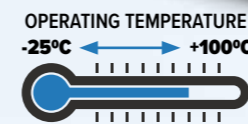
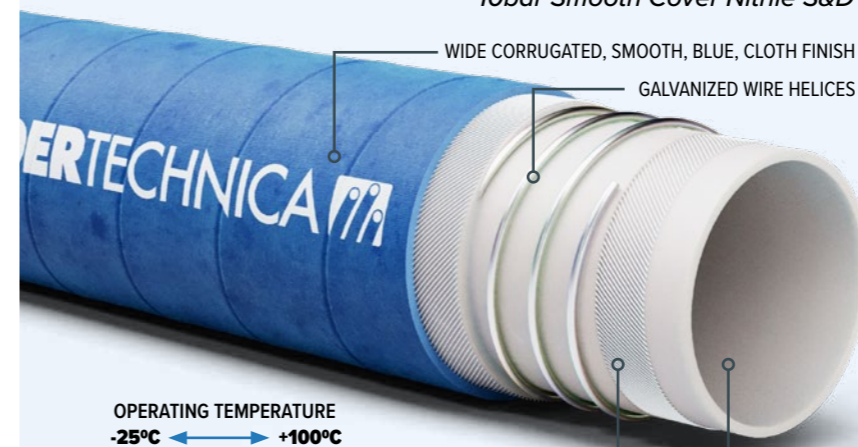
DAIRYLINE
FOOD GRADE HOSE

The Dairyline range of food quality hoses are designed for dairy products and fatty food. Our hose range is designed to reduce contamination & bacterial growth for a clean & safe working environment.

- Fatty foods & dairy produce
- Dairy processing plants
- Food processing plants
- Truck to tanker transfer



TUFOOD® FAT
10bar Smooth Cover Nitrile S&D



INSIDE DIAMETER		OUTSIDE DIAMETER		VACUUM		WORKING PRESSURE		BURST PRESSURE		APPR. WEIGHT		BENDING RADIUS	
mm	in	mm	in	bar	psi	bar	psi	bar	psi	kg/mt	lbs/ft	mm	in
19	0,75	31	1,22	0,9	13	10	150	30	450	0,74	0,50	60	2,36
25	1,00	37	1,46	0,9	13	10	150	30	450	0,91	0,61	85	3,35
32	1,25	44	1,73	0,9	13	10	150	30	450	1,12	0,75	115	4,53
38	1,50	51	2,00	0,9	13	10	150	30	450	1,40	0,94	150	5,91
51	2,00	64	2,52	0,9	13	10	150	30	450	1,80	1,21	210	8,27
63,5	2,50	78,5	3,09	0,9	13	10	150	30	450	2,70	1,81	265	10,43
76	3,00	91	3,58	0,9	13	10	150	30	450	3,17	2,12	320	12,60
102	4,00	118	4,65	0,9	13	10	150	30	450	4,42	2,96	430	16,93
152	6,00	174	6,85	0,9	13	10	150	30	450	10,32	6,93	750	29,53

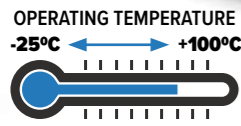
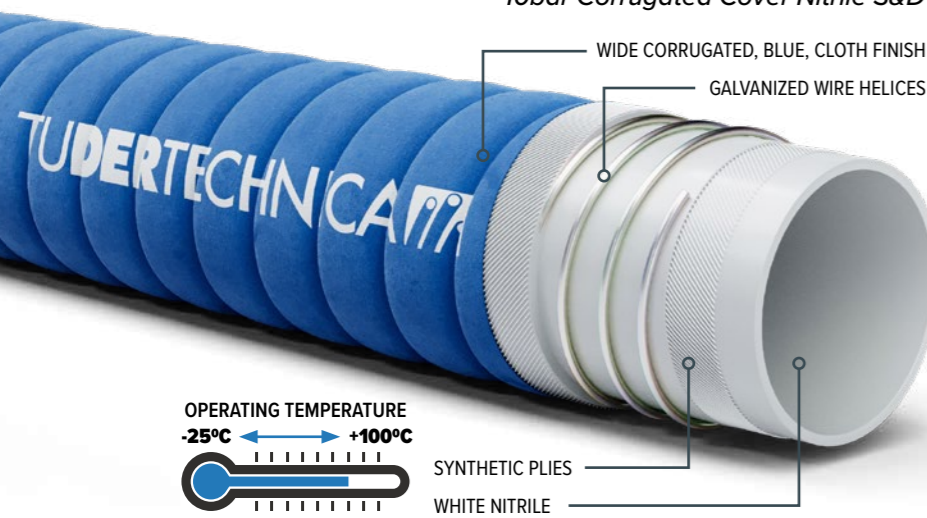
Tufood Fat is a 10bar suction and delivery hose. It features a white mirror smooth NBR(Nitrile) liner which offers excellent resistance to fatty liquids and foodstuffs as well as food grade oils. Approved in accordance with FDA 21 CFR 177.260 -rubber products intended for repeated use in manufacturing, packing, processing, preparing, packaging, transporting or holding food. Tufood Fat is suitable for suction and delivery of most food products but is especially suitable for fatty foods which will react with other rubber compounds leading to premature failure and possible contamination.

Tufood® Fat also complies with the following tests

- **BFR XXI – Cat 2** – German Federal Institute for Risk Assessment – Commodities based on natural & synthetic rubber
- **DM 21/03/1973** – Italy – Health Ministry Decree – hygienic rules for products to come into contact with foodstuffs.
- **Regulation 1935/2004/ CE** – EU Food materials & articles which are intended to come into contact with food
- **Notice No 370,1959** – Japan – Specifications & standards for products for use with Food
- **3-A RPSCQC for (62-02)** Hose Assemblies – Standard for parts used to convey liquid used in dairy & food production
- **Arrêté du 5 août 2020** – France – Rubber materials intended to come into contact with foodstuffs.
- Suitable for temperatures **-25°C to +100°C**
- Tufood Fat is **Phthalates Free**
- Tufood Fat meets the requirements of **1907/2006/CE** (REACH – Registration, Evaluation, Authorisation & restriction of Chemicals).
- Can be cleaned & sterilized using a number of different processes including CIP – see guidance notes

TUFOOD® FAT FORM

10bar Corrugated Cover Nitrile S&D



INSIDE DIAMETER		OUTSIDE DIAMETER		VACUUM		WORKING PRESSURE		BURST PRESSURE		APPR. WEIGHT		BENDING RADIUS	
mm	in	mm	in	bar	psi	bar	psi	bar	psi	kg/mt	lbs/ft	mm	in
25	1,00	37	1,50	0,9	13	10	150	30	450	0,81	0,54	25	1,00
32	1,25	44	1,75	0,9	13	10	150	30	450	0,98	0,66	32	1,25
38	1,50	51	2,00	0,9	13	10	150	30	450	1,27	0,85	38	1,50
51	2,00	66	2,50	0,9	13	10	150	30	450	1,97	1,32	51	2,00
63,5	2,50	80	3,00	0,9	13	10	150	30	450	2,41	1,61	95	3,74
76	3,00	91	3,50	0,9	13	10	150	30	450	3,03	2,03	115	4,53
102	4,00	117	4,50	0,9	13	10	150	30	450	4,63	3,10	155	6,10

Tufood® Fat Form is a 10bar suction and delivery hose which is more flexible than the standard Tufood Fat due to a corrugated cover. This makes the hose easier to bend and route in applications where flexibility is required.

It features a white mirror smooth NBR(Nitrile) liner which offers excellent resistance to fatty liquids and foodstuffs as well as food grade oils. Approved in accordance with FDA 21 CFR 177.260 -rubber products intended for repeated use in manufacturing, packing, processing, preparing, packaging , transporting or holding food.

Tufood Fat Form is suitable for suction and delivery of most food products but is especially suitable for fatty foods which will react with other rubber compounds leading to premature failure and possible contamination.

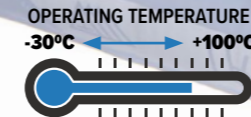


Tufood® Fat Form also complies with the following tests

- **BFR XXI – Cat 2** – German Federal Institute for Risk Assessment – Commodities based on natural & synthetic rubber
- **DM 21/03/1973** – Italy – Health Ministry Decree – hygienic rules for products to come into contact with foodstuffs.
- **Regulation 1935/2004/ CE** – EU Food materials & articles which are intended to come into contact with food
- **Notice No 370,1959** – Japan – Specifications & standards for products for use with Food
- **3-A RPSCQC for (62-02)** Hose Assemblies – Standard for parts used to convey liquid used in dairy & food production
- **Arrêté du 5 août 2020** – France – Rubber materials intended to come into contact with foodstuffs.
- Suitable for temperatures **-25°C to +100°C**
- Tufood Fat Form is **Phthalates Free**
- Tufood Fat Form meets the requirements of **1907/2006/CE** (REACH – Registration, Evaluation, Authorisation & restriction of Chemicals).
- Can be cleaned & sterilized using a number of different processes including CIP – see *guidance notes*

ALIKLER D

15bar Hose – Fatty Foods, Oils & Liquid Food Assemblies



- Alikler D is designed for higher working pressures than Citerdial, Lactadial Alikler & has a MAWP of 15bar.
- Suitable for suction and discharge of liquid food including Fatty foodstuffs and oils
- Alikler D has a higher working temperature of +100°C compared to +80°C on Citerdial & Lactadial.
- Extremely flexible, non kinking with excellent minimum bend radius.
- Smooth seamless Food grade, oil-resistant white NBR tube that does not propagate bacterial growth and complies with the most stringent European and USA regulations
- Unaffected by changes in temperature when compared to PVC products
- Resistant to cleaning with detergents to max temp of 90°C or steam to max temp of 130°C
- Non-marking abrasion resistant NBR/PVC cover
- Inner Tube: Food grade oil resistant NBR, white, smooth
- Reinforcement: Synthetic textile with embedded PET helix
- Cover: Oil and weather resistant NBR/ PVC, blue
- Temperature Range: -30°C to +100°C

TRELLEBORG

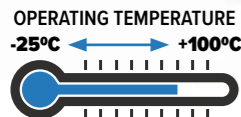
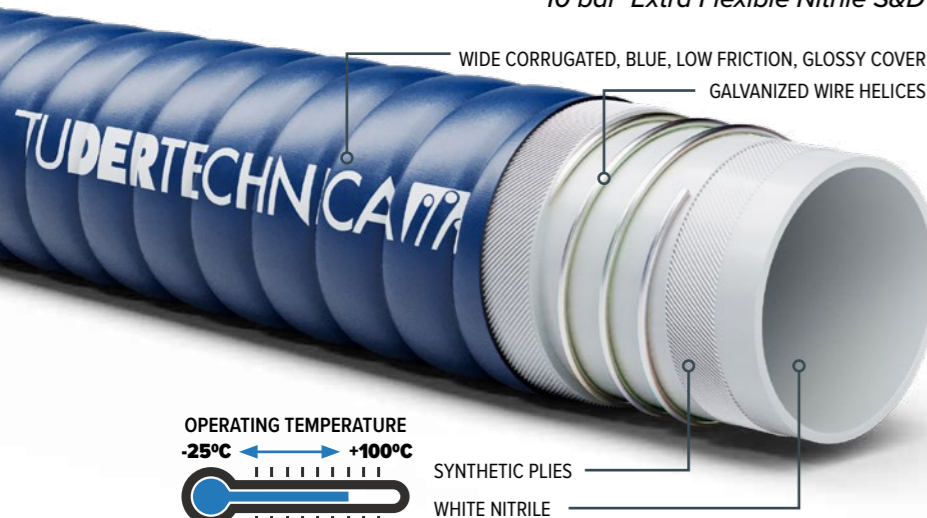
Alikler D hose can be supplied in continuous lengths up to 40m, but is mostly supplied in bespoke assemblies. We can offer assemblies with the following coupling types in 316 stainless steel

- BSP
- RJT
- Triclover/Tricclamp style
- IDF
- DIN
- SMS
- Sizes: From minimum ID of 32.0mm/OD of 44.0mm to Maximum ID of 100.0mm/ OD of 117.0mm
- Working Pressure: 15 bar
- Bursting Pressure: 40 bar
- Standard Approval: EU regulation no. 1935/2004 FDA regulation no. 21 CFR 177.2600

ALL ASSEMBLIES ARE 100% PRESSURE TESTED AND SUPPLIED WITH INDIVIDUAL IDENTIFICATION AND TEST CERTIFICATED.

GLIDETECH® NITRILE

10 bar Extra Flexible Nitrile S&D



INSIDE DIAMETER		OUTSIDE DIAMETER		VACUUM		WORKING PRESSURE		BURST PRESSURE		APPR. WEIGHT		BENDING RADIUS	
mm	in	mm	in	bar	psi	bar	psi	bar	psi	kg/mt	lbs/ft	mm	in
25	1,00	37	1,50	0,9	13	10	150	30	450	0,81	0,54	25	1,00
32	1,25	44	1,75	0,9	13	10	150	30	450	0,98	0,66	32	1,25
38	1,50	51,5	2,00	0,9	13	10	150	30	450	1,27	0,85	38	1,50
51	2,00	66	2,50	0,9	13	10	150	30	450	1,97	1,32	51	2,00
63,5	2,50	81	3,00	0,9	13	10	150	30	450	2,41	1,61	95	3,74
76	3,00	92	3,50	0,9	13	10	150	30	450	3,03	2,03	115	4,53
102	4,00	118	4,50	0,9	13	10	150	30	450	4,63	3,10	155	6,10

Glidetechnitrile is a new generation extra flexible 10bar suction and delivery hose which is more flexible than the standard Tufood hoses. It features a PU blend cover which is easy to wipe down and keep clean, improves flexibility, improves abrasion resistance and give the hose a lower co-efficient of friction, meaning it is easier to pull along the floor – as the name suggest, it glides!

It features a white mirror smooth NBR(Nitrile) liner which offers excellent resistance to fatty liquids and foodstuffs as well as food grade oils. Approved in accordance with FDA 21 CFR 177.260 -rubber products intended for repeated use in manufacturing, packing, processing, preparing, packaging , transporting or holding food.

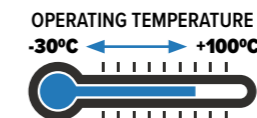
Glidetechnitrile is suitable for suction and delivery of most food products but is especially suitable for fatty foods which will react with other rubber compounds leading to premature failure and possible contamination.

Glidetechnitrile also complies with the following tests

- **BFR XXI – Cat 2** – German Federal Institute for Risk Assessment – Commodities based on natural & synthetic rubber
- **DM 21/03/1973** – Italy – Health Ministry Decree – hygienic rules for products to come into contact with foodstuffs.
- **Regulation 1935/2004/ CE** – EU Food materials & articles which are intended to come into contact with food
- **Notice No 370,1959** – Japan – Specifications & standards for products for use with Food
- **3-A RPSCQC for (62-02)** Hose Assemblies – Standard for parts used to convey liquid used in dairy & food production
- **Arrêté du 5 août 2020** – France – Rubber materials intended to come into contact with foodstuffs.
- Suitable for temperatures **-25°C to +100°C**
- Glidetechnitrile is **Phthalates Free**
- Glidetechnitrile meets the requirements of **1907/2006/CE** (REACH – Registration, Evaluation, Authorisation & restriction of Chemicals).
- Can be cleaned & sterilized using a number of different processes including CIP – see *guidance notes*

ALIKLER

10bar Hose – Fatty Foods, Oils & Liquid Food Assemblies



- Alikler is designed for higher working pressures than Citerdial and Lactadial and has a MAWP of 10bar.
- Suitable for suction and discharge of liquid food including Fatty foodstuffs and oils
- Alikler has a higher working temperature of +100°C compared to +80°C on Citerdial & Lactadial.
- Extremely flexible, non kinking with excellent minimum bend radius.
- Smooth seamless Food grade, oil-resistant white NBR tube that does not propagate bacterial growth and complies with the most stringent European and USA regulations
- Unaffected by changes in temperature when compared to PVC products
- Resistant to cleaning with detergents to max temp of 90°C or steam to max temp of 130°C
- Non-marking abrasion resistant NBR/PVC cover
- Contains no Phthalate
- Inner Tube: Food grade oil resistant NBR, white, smooth
- Reinforcement: Synthetic textile with embedded steel helix
- Cover: Weather and abrasion resistant NR, blue
- Temperature Range:-30°C to +100°C

TRELLEBORG

Alikler hose can be supplied in continuous lengths up to 40m, but is mostly supplied in bespoke assemblies. We can offer assemblies with the following coupling types in 316 stainless steel

- BSP
- RJT
- Triclover/Tricclamp style
- Sizes: From minimum ID of 25.0mm/ OD of 37.0mm to Maximum ID of 150.0mm/OD of 171.5mm
- Working Pressure: 10 bar
- Bursting Pressure: 30 bar
- Standard Approval: EU regulation no. 1935/2004 & 2023/2006 FDA regulation no. 21 CFR 177.2600

ALL ASSEMBLIES ARE 100% PRESSURE TESTED AND SUPPLIED WITH INDIVIDUAL IDENTIFICATION AND TEST CERTIFICATED.



BREWLINE

FOOD GRADE HOSE

Created for a variety of uses within the brewery industry the Brewline collection offers a variety of hose types for all applications.

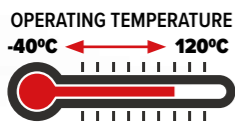
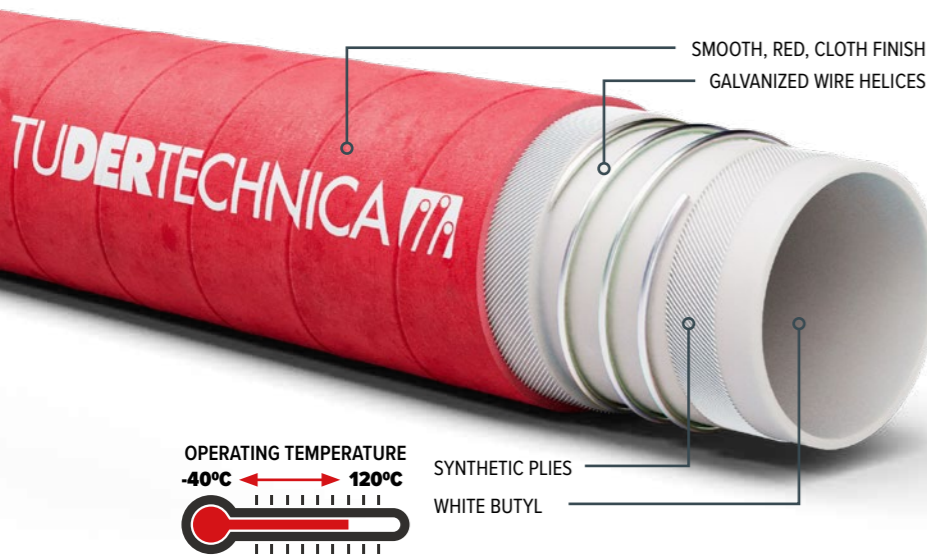
- BEER & LAGER
- CIDER & PERRY
- STOUTS & ALES
- FRUIT JUICE
- SODA & SOFT DRINKS
- WINE
- SPIRITS > 92% VOL.
- WHISKY
- POTABLE WATER



Lantech
solutions

TUPRESTIGE

10bar smooth cover Butyl S&D



INSIDE DIAMETER		OUTSIDE DIAMETER		VACUUM		WORKING PRESSURE		BURST PRESSURE		APPR. WEIGHT		BENDING RADIUS	
mm	in	mm	in	bar	psi	bar	psi	bar	psi	kg/mt	lbs/ft	mm	in
19	0,75	31	1,22	0,9	13	10	150	30	450	0,71	0,48	60	2,36
25	1,00	37	1,46	0,9	13	10	150	30	450	0,87	0,58	85	3,35
32	1,25	44	1,73	0,9	13	10	150	30	450	1,06	0,71	115	4,53
38	1,50	51	2,00	0,9	13	10	150	30	450	1,34	0,90	150	5,91
51	2,00	64	2,52	0,9	13	10	150	30	450	1,72	1,15	210	8,27
63,5	2,50	78,5	3,09	0,9	13	10	150	30	450	2,59	1,74	265	10,43
76	3,00	91	3,58	0,9	13	10	150	30	450	3,04	2,04	320	12,60
102	4,00	118	4,65	0,9	13	10	150	30	450	4,25	2,85	430	16,93

Tuprestige is a premium suction and delivery hose suitable for transferring

Beer & Lager **Cider & Perry** **Stouts & Ales**
Fruit Juice **Soda & Soft Drinks** **Wine**
Spirits > 92% vol. **Whisky** **Potable Water**

It features a Butyl rubber liner which is generally considered the best possible rubber compound with low permeation and excellent chemical resistance. This results in a hose that can withstand the rigours of regular CIP cleaning and will last longer in service than other rubber compounds. Butyl is perfect for non-smell, non-toxic, non-taint requirements

Cover features a wide corrugation supported by a high tensile steel helix which gives Tuprestige excellent flexibility and easier to manipulate in applications where a flexible route is required.

The cover is Abrasion, UV and Ozone resistant.

Approved in accordance with FDA 21 CFR 177.260 -rubber products intended for repeated use in manufacturing, packing, processing, preparing, packaging, transporting or holding food.

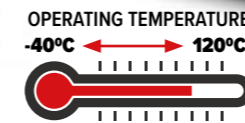
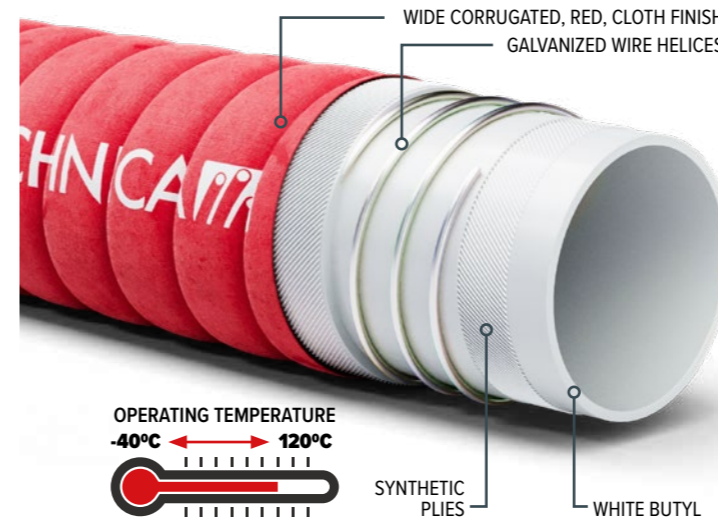
Tuprestige is suitable for suction & delivery of most food products.

Tuprestige also complies with the following tests

- **BFR XXI – Cat 2** – German Federal Institute for Risk Assessment – Commodities based on natural & synthetic rubber
- **DM 21/03/1973** – Italy – Health Ministry Decree – hygienic rules for products to come into contact with foodstuffs.
- **Regulation 1935/2004/ CE** – EU Food materials and articles which are intended to come into contact with food
- **Notice No 370,1959** – Japan – Specifications and standards for products for use with Food
- **3-A RPSCQC** for (62-02) Hose Assemblies – Standard for parts used to convey liquid used in dairy and food production
- **Arrêté du 5 août 2020** – France – Rubber materials intended to come into contact with foodstuffs.
- Suitable for temperatures **-40°C to +120°C**
- Tuprestige is **Phthalates Free**
- Tuprestige meets the requirements of **1907/2006/CE** (REACH – Registration, Evaluation, Authorisation and restriction of Chemicals).
- Can be cleaned and sterilized using a number of different processes including CIP – see separate guidance notes

TUPRESTIGE Form

10bar Corrugated cover Butyl S&D



Tuprestige Form is a premium suction and delivery hose suitable for transferring

Beer & Lager **Cider & Perry** **Stouts & Ales**
Fruit Juice **Soda & Soft Drinks** **Wine**
Spirits > 92% vol. **Whisky** **Potable Water**

It features a Butyl rubber liner which is generally considered the best possible rubber compound with low permeation and excellent chemical resistance. This results in a hose that can withstand the rigours of regular CIP cleaning and will last longer in service than other rubber compounds. Butyl is perfect for non-smell, non-toxic, non-taint requirements

Approved in accordance with FDA 21 CFR 177.260 -rubber products intended for repeated use in manufacturing, packing, processing, preparing, packaging, transporting or holding food.

Tuprestige Form is suitable for suction and delivery of most food products.

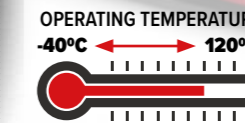
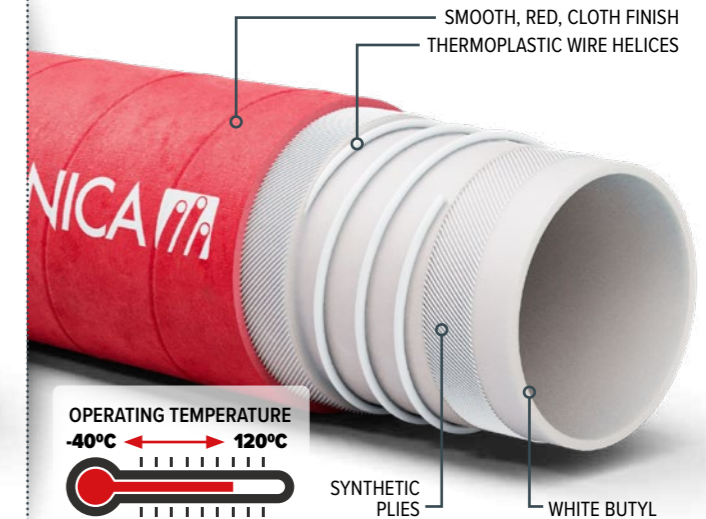
Tuprestige Form also complies with the following tests

- **BFR XXI – Cat 2** – German Federal Institute for Risk Assessment – Commodities based on natural & synthetic rubber
- **DM 21/03/1973** – Italy – Health Ministry Decree – hygienic rules for products to come into contact with foodstuffs.
- **Regulation 1935/2004/ CE** – EU Food materials and articles which are intended to come into contact with food
- **Notice No 370,1959** – Japan – Specifications and standards for products for use with Food
- **3-A RPSCQC** for (62-02) Hose Assemblies – Standard for parts used to convey liquid used in dairy and food production
- **Arrêté du 5 août 2020** – France – Rubber materials intended to come into contact with foodstuffs.
- Suitable for temperatures **-40°C to +120°C**
- Tuprestige Form is **Phthalates Free**
- Tuprestige Form meets the requirements of **1907/2006/CE** (REACH – Registration, Evaluation, Authorisation and restriction of Chemicals).
- Can be cleaned and sterilized using a number of different processes including CIP – see separate guidance notes

INSIDE DIAMETER		OUTSIDE DIAMETER		VACUUM		WORKING PRESSURE		BURST PRESSURE		APPR. WEIGHT		BENDING RADIUS	
mm	in	mm	in	bar	psi	bar	psi	bar	psi	kg/mt	lbs/ft	mm	in
19	0,75	31	1,22	0,9	13	10	150	30	450	0,71	0,48	60	2,36
25	1,00	37	1,46	0,9	13	10	150	30	450	0,87	0,58	85	3,35
32	1,25	44	1,73	0,9	13	10	150	30	450	1,06	0,71	115	4,53
38	1,50	51	2,00	0,9	13	10	150	30	450	1,34	0,90	150	5,91
51	2,00	64	2,52	0,9	13	10	150	30	450	1,72	1,15	210	8,27
63,5	2,50	78,5	3,09	0,9	13	10	150	30	450	2,59	1,74	265	10,43
76	3,00	91	3,58	0,9	13	10	150	30	450	3,04	2,04	320	12,60
102	4,00	118	4,65	0,9	13	10	150	30	450	4,25	2,85	430	16,93

TUPRESTIGE Crush Resistant

10bar smooth cover Crushproof Butyl S&D



Tuprestige CR is a 10bar brewery & distillery hose but features a thermoplastic helix instead of a steel helix. This makes the hose lighter in weight than standard Tuprestige but it's main feature is the ability for the hose to regain its shape if it is accidentally crushed.

Tuprestige CR is a premium suction and delivery hose suitable for transferring

Beer & Lager **Cider & Perry** **Stouts & Ales**
Fruit Juice **Soda & Soft Drinks** **Wine**
Spirits > 92% vol. **Whisky** **Potable Water**

It features a Butyl rubber liner which is generally considered the best possible rubber compound with low permeation and excellent chemical resistance. This results in a hose that can withstand the rigours of regular CIP cleaning and will last longer in service than other rubber compounds. Butyl is perfect for non-smell, non-toxic, non-taint requirements

Approved in accordance with FDA 21 CFR 177.260 -rubber products intended for repeated use in manufacturing, packing, processing, preparing, packaging, transporting or holding food.

Tuprestige CR is suitable for suction and delivery of most food products.

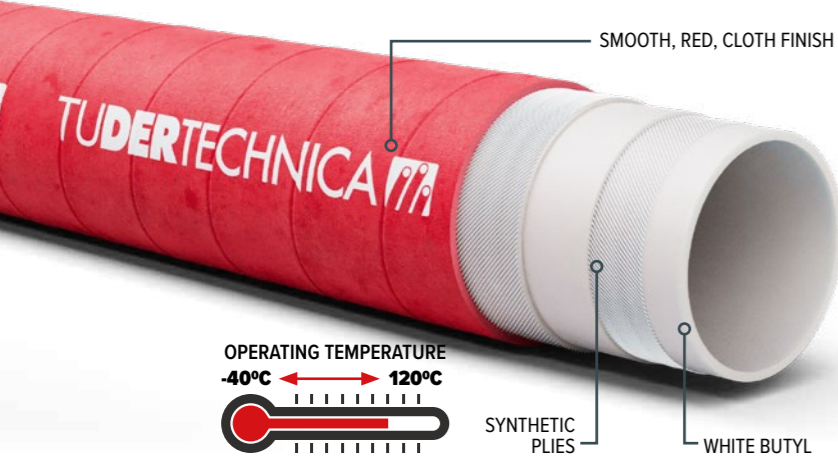
Tuprestige CR also complies with the following tests

- **BFR XXI – Cat 2** – German Federal Institute for Risk Assessment – Commodities based on natural & synthetic rubber
- **DM 21/03/1973** – Italy – Health Ministry Decree – hygienic rules for products to come into contact with foodstuffs.
- **Regulation 1935/2004/ CE** – EU Food materials and articles which are intended to come into contact with food
- **Notice No 370,1959** – Japan – Specifications and standards for products for use with Food
- **3-A RPSCQC** for (62-02) Hose Assemblies – Standard for parts used to convey liquid used in dairy and food production
- **Arrêté du 5 août 2020** – France – Rubber materials intended to come into contact with foodstuffs.
- Suitable for temperatures **-40°C to +120°C**
- Tuprestige CR is **Phthalates Free**
- Tuprestige CR meets the requirements of **1907/2006/CE** (REACH – Registration, Evaluation, Authorisation and restriction of Chemicals).
- Can be cleaned and sterilized using a number of different processes including CIP – see separate guidance notes

INSIDE DIAMETER		OUTSIDE DIAMETER		VACUUM		WORKING PRESSURE		BURST PRESSURE		APPR. WEIGHT		BENDING RADIUS	
mm	in	mm	in	bar	psi	bar	psi	bar	psi	kg/mt	lbs/ft	mm	in
38	1,50	54	2,13	0,7	10	10	150	30	450	1,45	0,97	170	6,69
51	2,00	67	2,64	0,7	10	10	150	30	450	1,84	1,23	240	9,44
63,5	2,50	81,5	3,21	0,7	10	10	150	30	450	2,48	1,66	310	12,20
76	3,00	94	3,70	0,7	10	10	150	30	450	2,90	1,94	380	14,96

BREWERY BUTYL D

16bar smooth cover Butyl delivery



Butyl D is a 16bar brewery & distillery hose designed for higher working pressures > 16bar. The thicker hose wall also gives excellent resistance to kinking on tighter bends.

Butyl D is a premium high pressure delivery hose suitable for transferring

- Beer & Lager**
- Fruit Juice**
- Spirits > 92% vol.**
- Cider & Perry**
- Soda & Soft Drinks**
- Whisky**
- Stouts & Ales**
- Wine**
- Potable Water**

It features a Butyl rubber liner which is generally considered the best possible rubber compound with low permeation and excellent chemical resistance. This results in a hose that can withstand the rigours of regular CIP cleaning and will last longer in service than other rubber compounds. Butyl is perfect for non-smell, non-toxic, non-taint requirements

Approved in accordance with FDA 21 CFR 177.260 -rubber products intended for repeated use in manufacturing, packing, processing, preparing, packaging, transporting or holding food.

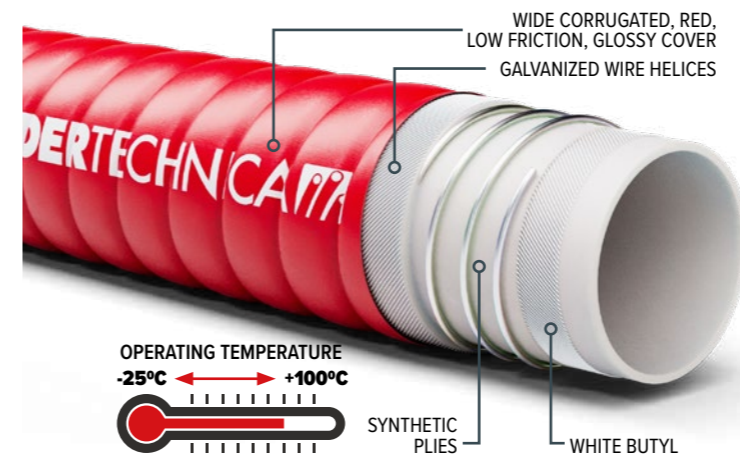
Butyl D is suitable for pressure delivery of most food and drink products.

Butyl D also complies with the following International accreditations.

- **BFR XXI – Cat 2** – German Federal Institute for Risk Assessment – Commodities based on natural & synthetic rubber
- **DM 21/03/1973** – Italy – Health Ministry Decree – hygienic rules for products to come into contact with foodstuffs.
- **Regulation 1935/2004/ CE** – EU Food materials and articles which are intended to come into contact with food
- **Notice No 370,1959** – Japan – Specifications and standards for products for use with Food
- **3-A RPSCQC** for (62-02) Hose Assemblies – Standard for parts used to convey liquid used in dairy and food production
- **Arrêté du 5 août 2020** – France – Rubber materials intended to come into contact with foodstuffs.
- Suitable for temperatures **-40°C to +120°C**
- Butyl D is **Phthalates Free**
- Butyl D meets the requirements of **1907/2006/CE** (REACH – Registration, Evaluation, Authorisation and restriction of Chemicals).
- Can be cleaned and sterilized using a number of different processes including CIP – see separate guidance notes

GLIDETECH BUTYL

10 bar Extra Flexible Butyl S&D



OPERATING TEMPERATURE
-25°C → +100°C

Glidetechn Butyl is a new generation extra flexible 10bar suction and delivery hose which is more flexible than the standard Tufood hoses. It features a PU blend cover which is easy to wipe down and keep clean, improves flexibility, improves abrasion resistance and give the hose a lower co-efficient of friction, meaning it is easier to pull along the floor – as the name suggest, it glides!

It features a Butyl rubber liner which is generally considered the best possible rubber compound with low permeation and excellent chemical resistance. This results in a hose that can withstand the rigours of regular CIP cleaning and will last longer in service than other rubber compounds. Butyl is perfect for non-odour, non-toxic, non-taint requirements

Approved in accordance with FDA 21 CFR 177.260 -rubber products intended for repeated use in manufacturing, packing, processing, preparing, packaging, transporting or holding food.

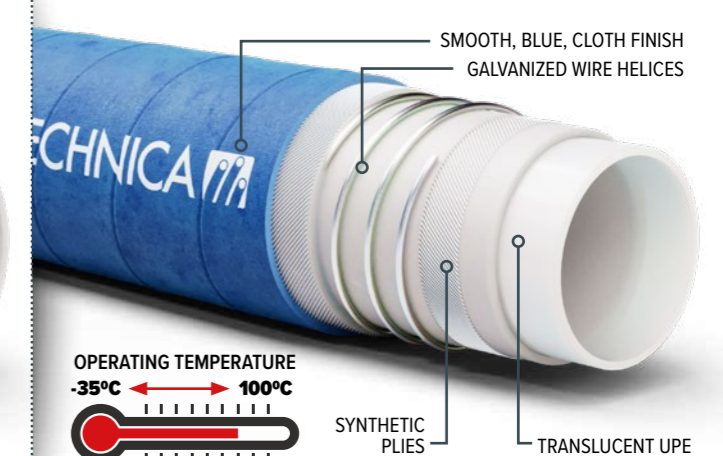
Glidetechn Butyl is suitable for suction and delivery of most food & drink products

Glidetechn Butyl also complies with the following tests

- **BFR XXI – Cat 2** – German Federal Institute for Risk Assessment – Commodities based on natural & synthetic rubber
- **DM 21/03/1973** – Italy – Health Ministry Decree – hygienic rules for products to come into contact with foodstuffs.
- **Regulation 1935/2004/ CE** – EU Food materials and articles which are intended to come into contact with food
- **Notice No 370,1959** – Japan – Specifications and standards for products for use with Food
- **3-A RPSCQC** for (62-02) Hose Assemblies – Standard for parts used to convey liquid used in dairy and food production
- **Arrêté du 5 août 2020** – France – Rubber materials intended to come into contact with foodstuffs.
- Suitable for temperatures **-25°C to +100°C**
- Glidetechn Butyl is **Phthalates Free**
- Glidetechn Butyl meets the requirements of **1907/2006/CE** (REACH – Registration, Evaluation, Authorisation and restriction of Chemicals).
- Can be cleaned and sterilized using a number of different processes including CIP – see guidance notes.

BREWERY UPE

16bar smooth cover UPE S&D



OPERATING TEMPERATURE
-35°C → 100°C

Brewery UPE is a 16bar brewery & distillery hose designed for higher working pressures > 16bar Suitable for both suction and delivery. UPE (Ultra High Molecular Weight Polyethylene) offers excellent chemical resistance and this hose can be used on chemical applications but it's main feature is its suitability for use with alcohol > 99% volume.

Brewery UPE is a premium high pressure delivery hose suitable for transferring

- Beer & Lager**
- Fruit Juice**
- Spirits > 99% vol.**
- Cider & Perry**
- Soda & Soft Drinks**
- Whisky**
- Stouts & Ales**
- Wine**
- Potable Water**

Approved in accordance with FDA 21 CFR 177.260 -rubber products intended for repeated use in manufacturing, packing, processing, preparing, packaging, transporting or holding food.

Brewery UPE is suitable for suction and delivery of most food and drink products, and is suitable for a wide range of chemicals.

Brewery UPE also complies with the following International accreditations.

- **BFR XXI – Cat 2** – German Federal Institute for Risk Assessment – Commodities based on natural & synthetic rubber
- **DM 21/03/1973** – Italy – Health Ministry Decree – hygienic rules for products to come into contact with foodstuffs.
- **Regulation 1935/2004/ CE** – EU Food materials and articles which are intended to come into contact with food
- **Notice No 370,1959** – Japan – Specifications and standards for products for use with Food
- **3-A RPSCQC** for (62-02) Hose Assemblies – Standard for parts used to convey liquid used in dairy and food production
- **Arrêté du 5 août 2020** – France – Rubber materials intended to come into contact with foodstuffs.
- Suitable for temperatures **-40°C to +120°C**
- Brewery UPE is **Phthalates Free**
- Brewery UPE meets the requirements of **1907/2006/CE** (REACH – Registration, Evaluation, Authorisation and restriction of Chemicals).
- Can be cleaned and sterilized using a number of different processes including CIP – see separate guidance notes

INSIDE DIAMETER		OUTSIDE DIAMETER		VACUUM		WORKING PRESSURE		BURST PRESSURE		APPR. WEIGHT		BENDING RADIUS	
mm	in	mm	in	bar	psi	bar	psi	bar	psi	kg/mt	lbs/ft	mm	in
13	0,50	25	1,00	0,6	8,5	16	250	48	750	0,48	0,32	80	3,15
19	0,75	31	1,22	0,6	8,5	16	250	48	750	0,63	0,42	115	4,53
25	1,00	37	1,46	0,6	8,5	16	250	48	750	0,76	0,51	150	5,91
32	1,25	48	1,89	0,5	7,25	16	250	48	750	1,27	0,85	210	8,27
38	1,50	56	2,20	0,5	7,25	16	250	48	750	1,83	1,23	260	10,24
50	1,97	70	2,76	0,4	6	16	250	48	750	2,53	1,70	350	13,78
51	2,00	70	2,76	0,4	6	16	250	48	750	2,41	1,61	350	13,78
63,5	2,50	89	3,50	0,4	6	16	250	48	750	3,95	2,65	470	18,50
65	2,56	89	3,50	0,4	6	16	250	48	750	3,82	2,56	470	18,50
75	2,95	99	3,90	0,3	4,5	16	250	48	750	4,37	2,93	580	22,83
76	3,00	99	3,90	0,3	4,5	16	250	48	750	4,18	2,80	580	22,83
100	3,94	130	5,12	0,2	3	16	250	48	750	7,17	4,80	800	31,50
102	4,00	130	5,12	0,2	3	16	250	48	750	6,68	4,48	800	31,50

INSIDE DIAMETER		OUTSIDE DIAMETER		VACUUM		WORKING PRESSURE		BURST PRESSURE		APPR. WEIGHT		BENDING RADIUS	
mm	in	mm	in	bar	psi	bar	psi	bar	psi	kg/mt	lbs/ft	mm	in
25	1,00	37	1,46	0,9	13	10	150	30	450	0,82	0,55	70	2,76
38	1,50	51,5	2,03	0,9	13	10	150	30	450	1,23	0,82	80	3,15
51	2,00	66	2,60	0,9	13	10	150	30	450	1,90	1,27	100	3,94
63,5	2,50	78,5	3,09	0,9	13	10	150	30	450	2,30	1,54	130	5,12
76	3,00	92	3,62	0,9	13	10	150	30	450	2,90	1,94	150	5,91
102	4,00	118	4,65	0,9	13	10	150	30	450	3,78	2,53	250	9,84

INSIDE DIAMETER		OUTSIDE DIAMETER		VACUUM		WORKING PRESSURE		BURST PRESSURE		APPR. WEIGHT		BENDING RADIUS	
mm	in	mm	in	bar	psi	bar	psi	bar	psi	kg/mt	lbs/ft	mm	in
38	1,50	51	2,00	0,9	13	16	250	48	750	1,34	0,90	240	9,45
50	1,97	64	2,52	0,9	13	16	250	48	750	1,84	1,23	330	12,99
51	2,00	64	2,52	0,9	13	16	250	48	750	1,72	1,15	330	12,99
63,5	2,50	81	3,19	0,9	13	16	250	48	750	3,06	2,05	415	16,34
65	2,56	81	3,19	0,9	13	16	250	48	750	2,92	1,96	415	16,34
75	2,95	93	3,66	0,9	13	16	250	48	750	3,70	2,48	500	19,69
76	3,00	93	3,66	0,9	13	16	250	48	750	3,50	2,35	500	19,69
100	3,94	119	4,69	0,9	13	16	250	48	750	5,12	3,43	675	26,57
102	4,00	119	4,69	0,9	13	16	250	48	750	4,78	3,20	675	26,57





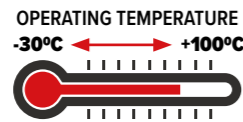
TRELVIN

10bar Brewers Hose Assemblies



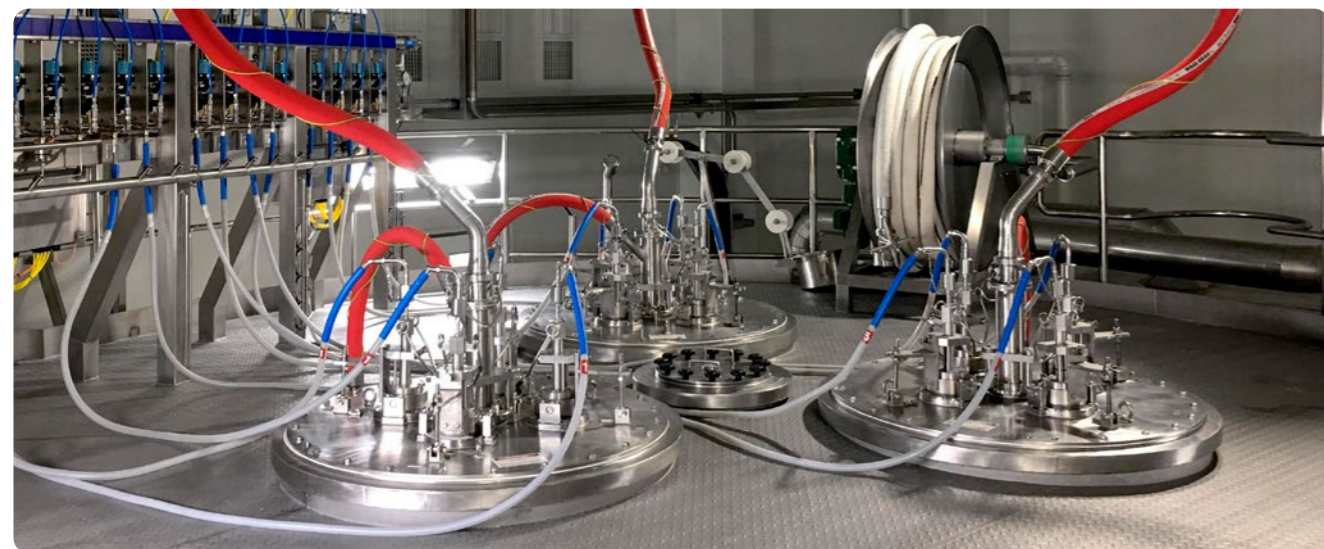
Trellvin hose can be supplied in continuous lengths up to 40m, but is mostly supplied in bespoke assemblies. We can offer assemblies with the following coupling types in 316 stainless steel

- BSP
- RJT
- Triclover/Tricclamp style
- IDF
- DIN
- SMS



- The ideal hose for beer, lager, cider, wine, fruit juice, alcohol > 96% , fatty foods & oils applications
- PET internal helix reduces weight and improves flexibility , making Trellvin an easier hose to handle.
- PET helix has crushproof properties and unlike steel helix allows the hose to recovers its shape despite any accidental 'squeeze'
- Smooth seamless white EPDM tube means less likelihood of 'bug traps' & consequential bacterial growth.

- Complies with the most stringent European and USA regulations
- Unaffected by changes in temperature unlike PVC products.
- Resistant to cleaning with detergents or steam to max temp of 130°C
- Non-marking ozone and abrasion EPDM resistant cover in traditional wine-red colour.
- Contains no Phthalate
- Inner Tube: Food grade EPDM, white, smooth
- Reinforcement: Synthetic textile with embedded PET helix
- Cover: Weather and abrasion resistant EPDM, wine-red
- Temperature Range: -30°C to +100°C
- Sizes: From minimum ID of 38.0mm/ OD of 50.0mm to Maximum ID of 75.0mm/OD of 88.0mm
- Working Pressure: 10 bar
- Bursting Pressure: 30 bar
- Standard Approval: EU regulation no. 1935/2004 and 2023/2006 FDA regulation no. 21 CFR 177.2600



SPIRITLINE

FOOD GRADE HOSE

For handling spirits up to 99% Vol. (UPE) the Spiritline range is perfect for all aspects of production.

- BEER & LAGER
- CIDER & PERRY
- STOUTS & ALES
- FRUIT JUICE
- SODA & SOFT DRINKS
- WINE
- SPIRITS > 99% VOL. (UPE)
- WHISKY
- POTABLE WATER



TUPRESTIGE

10bar smooth cover Butyl S&D

Tuprestige is a premium suction and delivery hose suitable for transferring

- | | | |
|------------------------------|-------------------------------|--------------------------|
| Beer & Lager | Cider & Perry | Stouts & Ales |
| Fruit Juice | Soda & Soft Drinks | Wine |
| Spirits > 92% vol. | Whisky | Potable Water |

It features a Butyl rubber liner which is generally considered the best possible rubber compound with low permeation and excellent chemical resistance. This results in a hose that can withstand the rigours of regular CIP cleaning and will last longer in service than other rubber compounds. Butyl is perfect for non-smell, non toxic, non-taint requirements

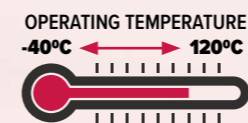
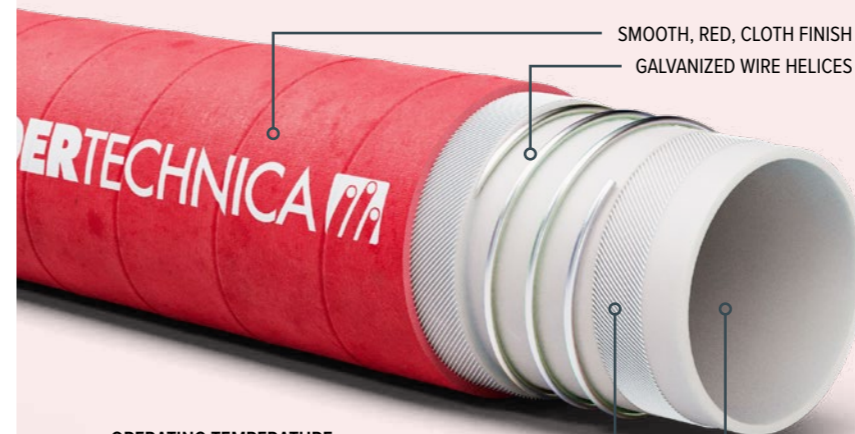
Cover features a wide corrugation supported by a high tensile steel helix which gives Truprestige excellent flexibility and easier to manipulate in applications where a flexible route is required. The cover is Abrasion, UV and Ozone resistant.

Approved in accordance with FDA 21 CFR 177.260 -rubber products intended for repeated use in manufacturing, packing, processing, preparing, packaging , transporting or holding food.

Tuprestige is suitable for suction & delivery of most food products.

Tuprestige also complies with the following tests

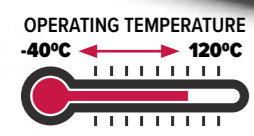
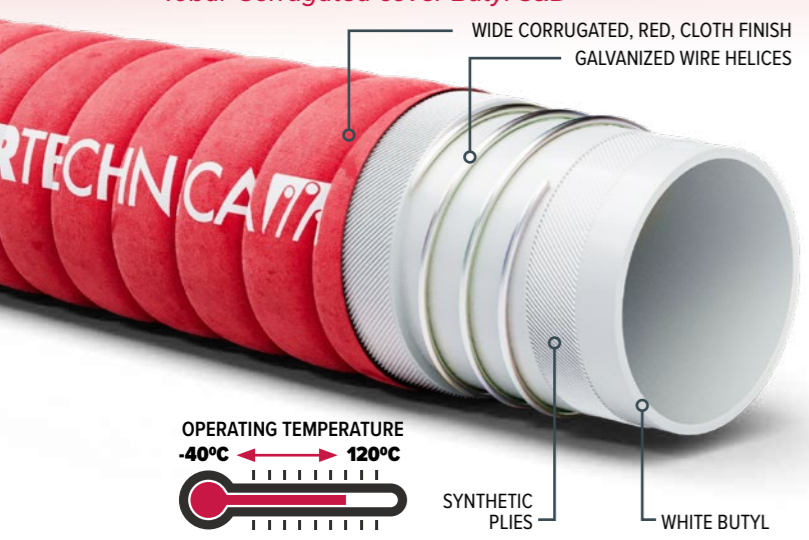
- **BFR XXI – Cat 2** – German Federal Institute for Risk Assessment – Commodities based on natural & synthetic rubber
- **DM 21/03/1973** – Italy – Health Ministry Decree – hygienic rules for products to come into contact with foodstuffs.
- **Regulation 1935/2004/ CE** – EU Food materials and articles which are intended to come into contact with food
- **Notice No 370,1959** – Japan – Specifications and standards for products for use with Food
- **3-A RPSCQC** for (62-02) Hose Assemblies – Standard for parts used to convey liquid used in dairy and food production
- **Arrêté du 5 août 2020** – France – Rubber materials intended to come into contact with foodstuffs.
- Suitable for temperatures **-40°C to +120°C**
- Tuprestige is **Phthalates Free**
- Tuprestige meets the requirements of **1907/2006/CE** (REACH – Registration, Evaluation, Authorisation and restriction of Chemicals).
- Can be cleaned and sterilized using a number of different processes including CIP – see separate guidance notes



INSIDE DIAMETER		OUTSIDE DIAMETER		VACUUM		WORKING PRESSURE		BURST PRESSURE		APPR. WEIGHT		BENDING RADIUS	
mm	in	mm	in	bar	psi	bar	psi	bar	psi	kg/mt	lbs/ft	mm	in
19	0,75	31	1,22	0,9	13	10	150	30	450	0,71	0,48	60	2,36
25	1,00	37	1,46	0,9	13	10	150	30	450	0,87	0,58	85	3,35
32	1,25	44	1,73	0,9	13	10	150	30	450	1,06	0,71	115	4,53
38	1,50	51	2,00	0,9	13	10	150	30	450	1,34	0,90	150	5,91
51	2,00	64	2,52	0,9	13	10	150	30	450	1,72	1,15	210	8,27
63,5	2,50	78,5	3,09	0,9	13	10	150	30	450	2,59	1,74	265	10,43
76	3,00	91	3,58	0,9	13	10	150	30	450	3,04	2,04	320	12,60
102	4,00	118	4,65	0,9	13	10	150	30	450	4,25	2,85	430	16,93

TUPRESTIGE Form

10bar Corrugated cover Butyl S&D



Tuprestige Form is a premium suction and delivery hose suitable for transferring

- Beer & Lager** **Cider & Perry** **Stouts & Ales**
- Fruit Juice** **Soda & Soft Drinks** **Wine**
- Spirits > 92% vol. Whisky** **Potable Water**

It features a Butyl rubber liner which is generally considered the best possible rubber compound with low permeation and excellent chemical resistance. This results in a hose that can withstand the rigours of regular CIP cleaning and will last longer in service than other rubber compounds. Butyl is perfect for non-smell, non toxic, non-taint requirements

Approved in accordance with FDA 21 CFR 177.260 -rubber products intended for repeated use in manufacturing, packing, processing, preparing, packaging, transporting or holding food.

Tuprestige Form is suitable for suction and delivery of most food products.

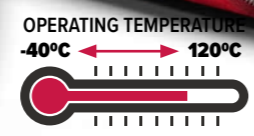
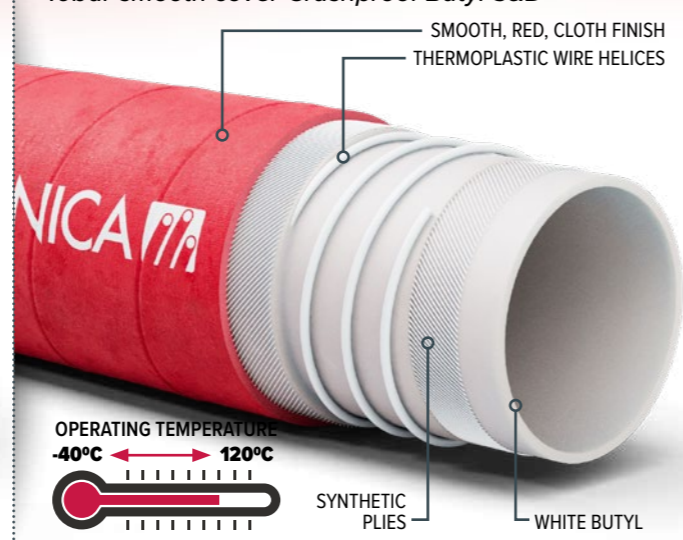
Tuprestige Form also complies with the following tests

- **BFR XXI – Cat 2** – German Federal Institute for Risk Assessment – Commodities based on natural & synthetic rubber
- **DM 21/03/1973** – Italy – Health Ministry Decree – hygienic rules for products to come into contact with foodstuffs.
- **Regulation 1935/2004/ CE** – EU Food materials and articles which are intended to come into contact with food
- **Notice No 370,1959** – Japan – Specifications and standards for products for use with Food
- **3-A RPSCQC** for (62-02) Hose Assemblies – Standard for parts used to convey liquid used in dairy and food production
- **Arrêté du 5 août 2020** – France – Rubber materials intended to come into contact with foodstuffs.
- Suitable for temperatures **-40°C to +120°C**
- Tuprestige Form is **Phthalates Free**
- Tuprestige Form meets the requirements of **1907/2006/CE** (REACH – Registration, Evaluation, Authorisation and restriction of Chemicals).
- Can be cleaned and sterilized using a number of different processes including CIP – see separate guidance notes

INSIDE DIAMETER		OUTSIDE DIAMETER		VACUUM		WORKING PRESSURE		BURST PRESSURE		APPR. WEIGHT		BENDING RADIUS	
mm	in	mm	in	bar	psi	bar	psi	bar	psi	kg/mt	lbs/ft	mm	in
19	0,75	31	1,22	0,9	13	10	150	30	450	0,71	0,48	60	2,36
25	1,00	37	1,46	0,9	13	10	150	30	450	0,87	0,58	85	3,35
32	1,25	44	1,73	0,9	13	10	150	30	450	1,06	0,71	115	4,53
38	1,50	51	2,00	0,9	13	10	150	30	450	1,34	0,90	150	5,91
51	2,00	64	2,52	0,9	13	10	150	30	450	1,72	1,15	210	8,27
63,5	2,50	78,5	3,09	0,9	13	10	150	30	450	2,59	1,74	265	10,43
76	3,00	91	3,58	0,9	13	10	150	30	450	3,04	2,04	320	12,60
102	4,00	118	4,65	0,9	13	10	150	30	450	4,25	2,85	430	16,93

TUPRESTIGE Crush Resistant

10bar smooth cover Crushproof Butyl S&D



Tuprestige CR is a 10bar brewery & distillery hose but features a thermoplastic helix instead of a steel helix. This makes the hose lighter in weight than standard Tuprestige but it's main feature is the ability for the hose to regain its shape if it is accidentally crushed.

Tuprestige CR is a premium suction and delivery hose suitable for transferring

- Beer & Lager** **Cider & Perry** **Stouts & Ales**
- Fruit Juice** **Soda & Soft Drinks** **Wine**
- Spirits > 92% vol. Whisky** **Potable Water**

It features a Butyl rubber liner which is generally considered the best possible rubber compound with low permeation and excellent chemical resistance. This results in a hose that can withstand the rigours of regular CIP cleaning and will last longer in service than other rubber compounds. Butyl is perfect for non-smell, non toxic, non-taint requirements

Approved in accordance with FDA 21 CFR 177.260 -rubber products intended for repeated use in manufacturing, packing, processing, preparing, packaging, transporting or holding food.

Tuprestige CR is suitable for suction and delivery of most food products.

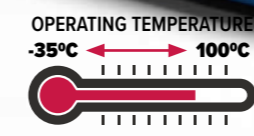
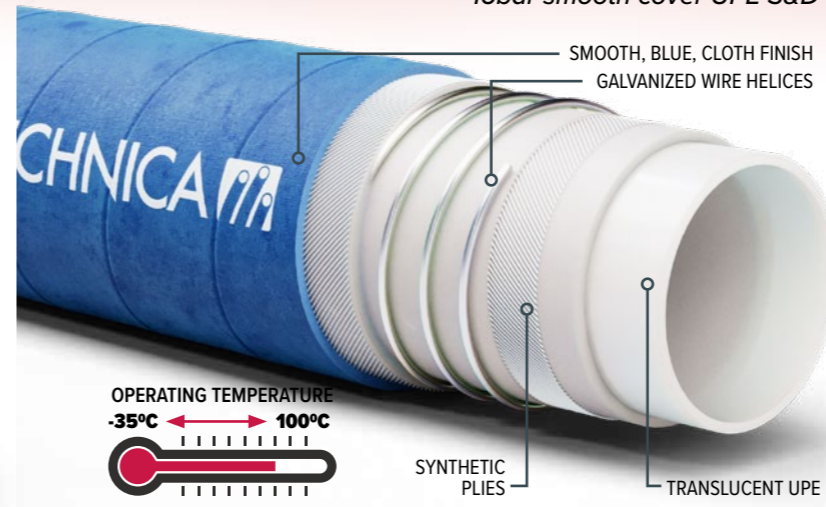
Tuprestige CR also complies with the following tests

- **BFR XXI – Cat 2** – German Federal Institute for Risk Assessment – Commodities based on natural & synthetic rubber
- **DM 21/03/1973** – Italy – Health Ministry Decree – hygienic rules for products to come into contact with foodstuffs.
- **Regulation 1935/2004/ CE** – EU Food materials and articles which are intended to come into contact with food
- **Notice No 370,1959** – Japan – Specifications and standards for products for use with Food
- **3-A RPSCQC** for (62-02) Hose Assemblies – Standard for parts used to convey liquid used in dairy and food production
- **Arrêté du 5 août 2020** – France – Rubber materials intended to come into contact with foodstuffs.
- Suitable for temperatures **-40°C to +120°C**
- Tuprestige CR is **Phthalates Free**
- Tuprestige CR meets the requirements of **1907/2006/CE** (REACH – Registration, Evaluation, Authorisation and restriction of Chemicals).
- Can be cleaned and sterilized using a number of different processes including CIP – see separate guidance notes

INSIDE DIAMETER		OUTSIDE DIAMETER		VACUUM		WORKING PRESSURE		BURST PRESSURE		APPR. WEIGHT		BENDING RADIUS	
mm	in	mm	in	bar	psi	bar	psi	bar	psi	kg/mt	lbs/ft	mm	in
38	1,50	54	2,13	0,7	10	10	150	30	450	1,45	0,97	170	6,69
51	2,00	67	2,64	0,7	10	10	150	30	450	1,84	1,23	240	9,44
63,5	2,50	81,5	3,21	0,7	10	10	150	30	450	2,48	1,66	310	12,20
76	3,00	94	3,70	0,7	10	10	150	30	450	2,90	1,94	380	14,96

BREWERY UPE

16bar smooth cover UPE S&D



Brewery UPE is a 16bar brewery & distillery hose designed for higher working pressures > 16bar Suitable for both suction and delivery. UPE (Ultra High Molecular Weight Polyethylene) offers excellent chemical resistance and this hose can be used on chemical applications but it's main feature is it's suitability for use with alcohol > 99% volume.

INSIDE DIAMETER		OUTSIDE DIAMETER		VACUUM		WORKING PRESSURE		BURST PRESSURE		APPR. WEIGHT		BENDING RADIUS	
mm	in	mm	in	bar	psi	bar	psi	bar	psi	kg/mt	lbs/ft	mm	in
38	1,50	51	2,00	0,9	13	16	250	48	750	1,34	0,90	240	9,45
50	1,97	64	2,52	0,9	13	16	250	48	750	1,84	1,23	330	12,99
51	2,00	64	2,52	0,9	13	16	250	48	750	1,72	1,15	330	12,99
63,5	2,50	81	3,19	0,9	13	16	250	48	750	3,06	2,05	415	16,34
65	2,56	81	3,19	0,9	13	16	250	48	750	2,92	1,96	415	16,34
75	2,95	93	3,66	0,9	13	16	250	48	750	3,70	2,48	500	19,69
76	3,00	93	3,66	0,9	13	16	250	48	750	3,50	2,35	500	19,69
100	3,94	119	4,69	0,9	13	16	250	48	750	5,12	3,43	675	26,57
102	4,00	119	4,69	0,9	13	16	250	48	750	4,78	3,20	675	26,57

Brewery UPE is a 16bar brewery & distillery hose designed for higher working pressures > 16bar Suitable for both suction and delivery. UPE (Ultra High Molecular Weight Polyethylene) offers excellent chemical resistance and this hose can be used on chemical applications but it's main feature is it's suitability for use with alcohol > 99% volume.

Brewery UPE is a premium high pressure delivery hose suitable for transferring

- Beer & Lager** **Cider & Perry** **Stouts & Ales**
- Fruit Juice** **Soda & Soft Drinks** **Wine**
- Spirits > 99% vol. Whisky** **Potable Water**

Approved in accordance with FDA 21 CFR 177.260 -rubber products intended for repeated use in manufacturing, packing, processing, preparing, packaging, transporting or holding food.

Brewery UPE is suitable for suction and delivery of most food and drink products, and is suitable for a wide range of chemicals.

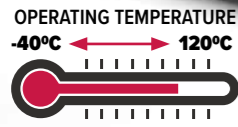
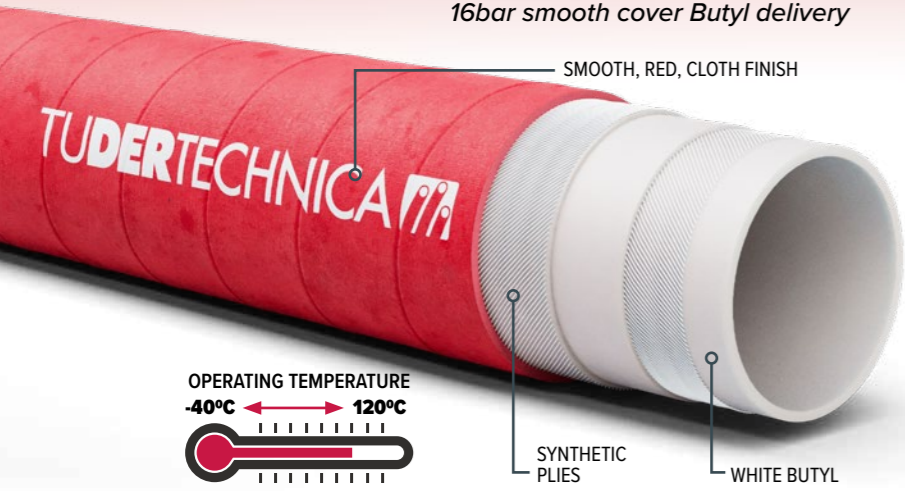
Brewery UPE also complies with the following International accreditations.

- **BFR XXI – Cat 2** – German Federal Institute for Risk Assessment – Commodities based on natural & synthetic rubber
- **DM 21/03/1973** – Italy – Health Ministry Decree – hygienic rules for products to come into contact with foodstuffs.
- **Regulation 1935/2004/ CE** – EU Food materials and articles which are intended to come into contact with food
- **Notice No 370,1959** – Japan – Specifications and standards for products for use with Food
- **3-A RPSCQC** for (62-02) Hose Assemblies – Standard for parts used to convey liquid used in dairy and food production
- **Arrêté du 5 août 2020** – France – Rubber materials intended to come into contact with foodstuffs.
- Suitable for temperatures **-40°C to +120°C**
- Brewery UPE is **Phthalates Free**
- Brewery UPE meets the requirements of **1907/2006/CE** (REACH – Registration, Evaluation, Authorisation and restriction of Chemicals).
- Can be cleaned and sterilized using a number of different processes including CIP – see separate guidance notes



BREWERY BUTYL D

16bar smooth cover Butyl delivery



INSIDE DIAMETER		OUTSIDE DIAMETER		VACUUM		WORKING PRESSURE		BURST PRESSURE		APPR. WEIGHT		BENDING RADIUS	
mm	in	mm	in	bar	psi	bar	psi	bar	psi	kg/mt	lbs/ft	mm	in
13	0,50	25	1,00	0,6	8,5	16	250	48	750	0,48	0,32	80	3,15
19	0,75	31	1,22	0,6	8,5	16	250	48	750	0,63	0,42	115	4,53
25	1,00	37	1,46	0,6	8,5	16	250	48	750	0,76	0,51	150	5,91
32	1,25	48	1,89	0,5	7,25	16	250	48	750	1,27	0,85	210	8,27
38	1,50	56	2,20	0,5	7,25	16	250	48	750	1,83	1,23	260	10,24
50	1,97	70	2,76	0,4	6	16	250	48	750	2,53	1,70	350	13,78
51	2,00	70	2,76	0,4	6	16	250	48	750	2,41	1,61	350	13,78
63,5	2,50	89	3,50	0,4	6	16	250	48	750	3,95	2,65	470	18,50
65	2,56	89	3,50	0,4	6	16	250	48	750	3,82	2,56	470	18,50
75	2,95	99	3,90	0,3	4,5	16	250	48	750	4,37	2,93	580	22,83
76	3,00	99	3,90	0,3	4,5	16	250	48	750	4,18	2,80	580	22,83
100	3,94	130	5,12	0,2	3	16	250	48	750	7,17	4,80	800	31,50
102	4,00	130	5,12	0,2	3	16	250	48	750	6,68	4,48	800	31,50

Butyl D is a 16bar brewery & distillery hose designed for higher working pressures > 16bar. The thicker hose wall also gives excellent resistance to kinking on tighter bends.

Butyl D is a premium high pressure delivery hose suitable for transferring

- Beer & Lager**
- Fruit Juice**
- Spirits > 92% vol.**
- Cider & Perry**
- Soda & Soft Drinks**
- Whisky**
- Stouts & Ales**
- Wine**
- Potable Water**

It features a Butyl rubber liner which is generally considered the best possible rubber compound with low permeation and excellent chemical resistance. This results in a hose that can withstand the rigours of regular CIP cleaning and will last longer in service than other rubber compounds. Butyl is perfect for non-smell, non toxic, non-taint requirements

Approved in accordance with FDA 21 CFR 177.260 -rubber products intended for repeated use in manufacturing, packing, processing, preparing, packaging, transporting or holding food.

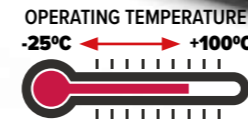
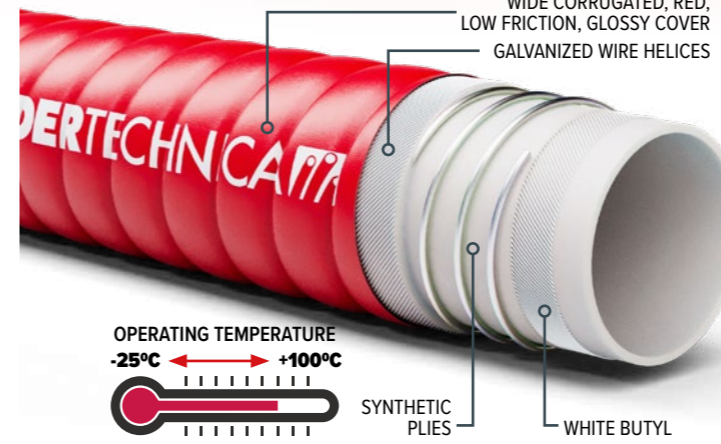
Butyl D is suitable for pressure delivery of most food and drink products.

Butyl D also complies with the following International accreditations.

- **BFR XXI – Cat 2** – German Federal Institute for Risk Assessment – Commodities based on natural & synthetic rubber
- **DM 21/03/1973** – Italy – Health Ministry Decree – hygienic rules for products to come into contact with foodstuffs.
- **Regulation 1935/2004/ CE** – EU Food materials and articles which are intended to come into contact with food
- **Notice No 370,1959** – Japan – Specifications and standards for products for use with Food
- **3-A RPSCQC** for (62-02) Hose Assemblies – Standard for parts used to convey liquid used in dairy and food production
- **Arrêté du 5 août 2020** – France – Rubber materials intended to come into contact with foodstuffs.
- Suitable for temperatures **-40°C to +120°C**
- Butyl D is **Phthalates Free**
- Butyl D meets the requirements of **1907/2006/CE** (REACH – Registration, Evaluation, Authorisation and restriction of Chemicals).
- Can be cleaned and sterilized using a number of different processes including CIP – see separate guidance notes

GLIDETECH BUTYL

10 bar Extra Flexible Butyl S&D



- **BFR XXI – Cat 2** – German Federal Institute for Risk Assessment – Commodities based on natural & synthetic rubber
- **DM 21/03/1973** – Italy – Health Ministry Decree – hygienic rules for products to come into contact with foodstuffs.
- **Regulation 1935/2004/ CE** – EU Food materials and articles which are intended to come into contact with food
- **Notice No 370,1959** – Japan – Specifications and standards for products for use with Food
- **3-A RPSCQC** for (62-02) Hose Assemblies – Standard for parts used to convey liquid used in dairy and food production
- **Arrêté du 5 août 2020** – France – Rubber materials intended to come into contact with foodstuffs.
- Suitable for temperatures **-25°C to +100°C**
- Glidetechn Butyl is **Phthalates Free**
- Glidetechn Butyl meets the requirements of **1907/2006/CE** (REACH – Registration, Evaluation, Authorisation and restriction of Chemicals).
- Can be cleaned and sterilized using a number of different processes including CIP – see guidance notes.

Glidetechn Butyl is a new generation extra flexible 10bar suction and delivery hose which is more flexible than the standard Tufood hoses. It features a PU blend cover which is easy to wipe down and keep clean, improves flexibility, improves abrasion resistance and give the hose a lower co-efficient of friction, meaning it is easier to pull along the floor – as the name suggest, it glides!

It features a Butyl rubber liner which is generally considered the best possible rubber compound with low permeation and excellent chemical resistance. This results in a hose that can withstand the rigours of regular CIP cleaning and will last longer in service than other rubber compounds. Butyl is perfect for non-odour, non toxic, non-taint requirements

Approved in accordance with FDA 21 CFR 177.260 -rubber products intended for repeated use in manufacturing, packing, processing, preparing, packaging, transporting or holding food.

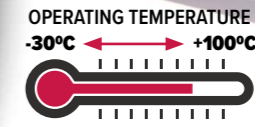
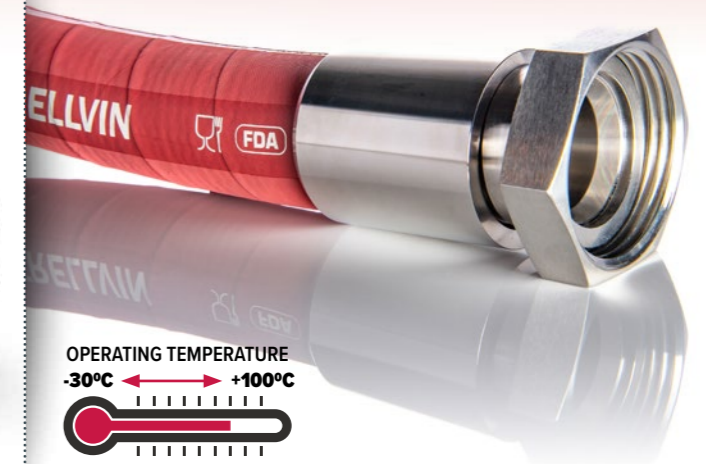
Glidetechn Butyl is suitable for suction and delivery of most food & drink products

Glidetechn Butyl also complies with the following tests

INSIDE DIAMETER		OUTSIDE DIAMETER		VACUUM		WORKING PRESSURE		BURST PRESSURE		APPR. WEIGHT		BENDING RADIUS	
mm	in	mm	in	bar	psi	bar	psi	bar	psi	kg/mt	lbs/ft	mm	in
25	1,00	37	1,46	0,9	13	10	150	30	450	0,82	0,55	70	2,76
38	1,50	51,5	2,03	0,9	13	10	150	30	450	1,23	0,82	80	3,15
51	2,00	66	2,60	0,9	13	10	150	30	450	1,90	1,27	100	3,94
63,5	2,50	78,5	3,09	0,9	13	10	150	30	450	2,30	1,54	130	5,12
76	3,00	92	3,62	0,9	13	10	150	30	450	2,90	1,94	150	5,91
102	4,00	118	4,65	0,9	13	10	150	30	450	3,78	2,53	250	9,84

TRELLVIN

10bar Brewers Hose Assemblies



- **BSP**
 - **RJT**
 - **Triclover/Tricclamp style**
 - **IDF**
 - **DIN**
 - **SMS**
- Trellvin hose can be supplied in continuous lengths up to 40m, but is mostly supplied in bespoke assemblies. We can offer assemblies with the following coupling types in 316 stainless steel
-
- The ideal hose for beer, lager, cider, wine, fruit juice, alcohol > 96% , fatty foods & oils applications
 - PET internal helix reduces weight and improves flexibility , making Trellvin an easier hose to handle.
 - PET helix has crushproof properties and unlike steel helix allows the hose to recovers its shape despite any accidental 'squeeze'
 - Smooth seamless white EPDM tube means less likelihood of 'bug traps' & consequential bacterial growth.
 - Complies with the most stringent European and USA regulations
 - Unaffected by changes in temperature unlike PVC products.
 - Resistant to cleaning with detergents or steam to max temp of 130°C
 - Non-marking ozone and abrasion EPDM resistant cover in traditional wine-red colour.
 - Contains no Phthalate
 - Inner Tube: Food grade EPDM, white, smooth
 - Reinforcement: Synthetic textile with embedded PET helix
 - Cover: Weather and abrasion resistant EPDM, wine-red
 - Temperature Range: -30°C to +100°C
 - Sizes: From minimum ID of 38.0mm/ OD of 50.0mm to Maximum ID of 75.0mm/OD of 88.0mm
 - Working Pressure: 10 bar
 - Bursting Pressure: 30 bar
 - Standard Approval: EU regulation no. 1935/2004 and 2023/2006 FDA regulation no. 21 CFR 177.2600



FOODLINE

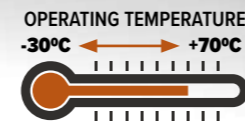
FOOD GRADE HOSE

The Foodline range is ideal for handling a wider range of substances from liquids through to powders and dry goods. Whether you need factory or tanker hoses we have the solution.



ALFAGOMMA 509OE

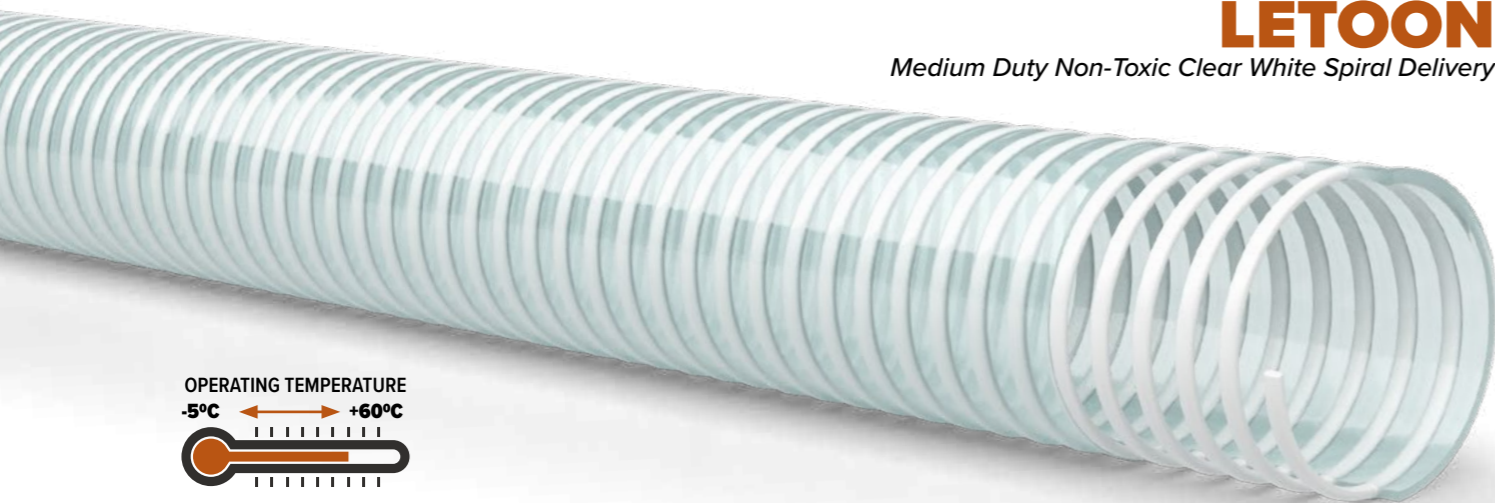
UHMWPE Chemical Hose FDA 16 Bar WRAS Approved



Order Ref: AG509OE-SIZE-MM

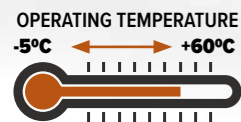
Tube: Food grade fda uhmwpe liner suitable for a wide range of corrosive chemicals and solvents.
Reinforcement: Synthetic textile. Twin steel wire helix embedded between the layers. Two anti-static wires.
Cover: Blue, weather and ozone resistant EPDM rubber.
Application: For suction and discharge of all corrosive chemicals, especially high aromatic solvents.
Specification: ISO 1307.

INTERNAL DIAMETER		OUTER DIAMETER	WORKING PRESSURE		BURSTING PRESSURE		BEND RADIUS	HOSE WEIGHT	COIL LENGTH
mm	inch	mm	BAR	PSI	BAR	PSI	mm	gr/m	m
19	3/4	31	16	240	48	720	114	59	30.5
25	1	37	16	240	48	720	150	73	30.5
32	1 1/4	44	16	240	48	720	192	88	30.5
38	1 1/2	50	16	240	48	720	228	10.1	30.5
40	1 9/16	52	16	240	48	720	240	10.5	30.5
51	2	63	16	240	48	720	300	13.4	30.5
63	2 1/2	77	16	240	48	720	378	20.9	30.5
76	3	92	16	240	48	720	450	28.4	30.5
102	4	118	16	240	48	720	600	38.7	30.5



LETOON

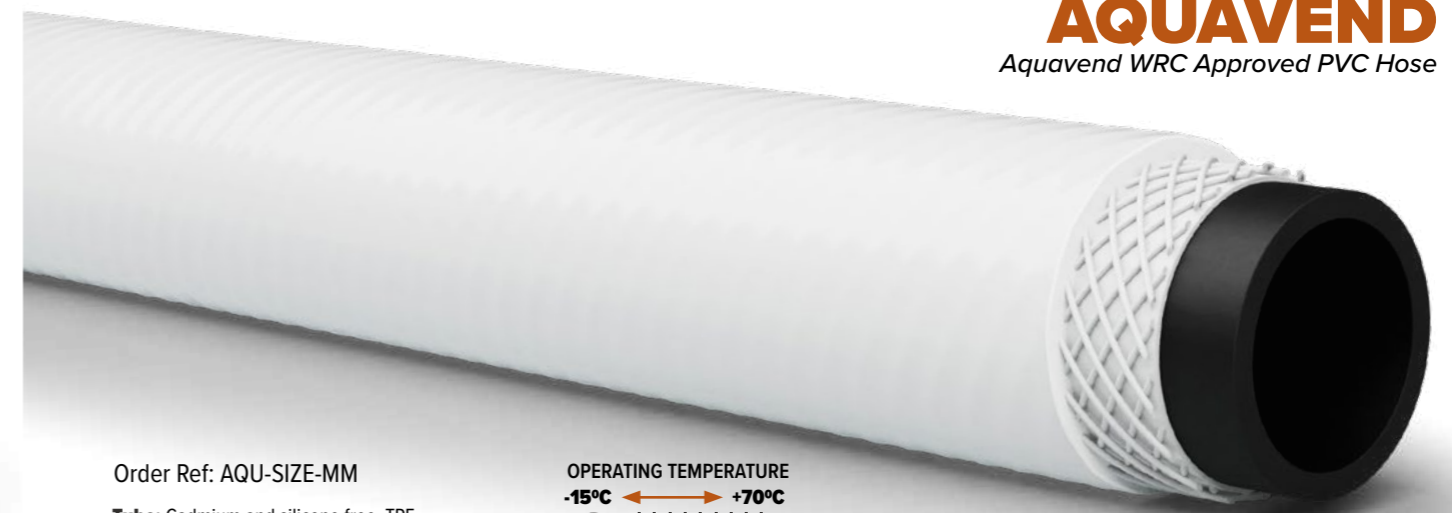
Medium Duty Non-Toxic Clear White Spiral Delivery



Order Ref: CWS-SIZE MM

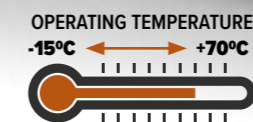
Tube: Strong, flexible and smooth non-toxic plasticized PVC.
Reinforcement: White shock resistant PVC spiral.
Cover: Crushing, abrasion and weather resistant, light corrugated outside.
Application: For suction and discharge for sanitary installation in marine and domestic use, for delivery of water, mineral water, milk, fruit juices, alimentary liquids etc.

INTERNAL DIAMETER		OUTER DIAMETER	BURSTING PRESSURE		VACUUM	BEND RADIUS	HOSE WEIGHT	COIL LENGTH
inch	mm	mm	BAR	PSI	m.H ² O	mm	gr/m	m
3/4	19	25	32	464	9	130	360	10/30
1	25	32	28	406	9	140	480	10/30
1 1/4	32	39	24	348	9	150	580	10/30
1 1/2	38	46	24	348	9	180	670	10/30
2	51	59	22	319	9	220	975	10/30
2 1/2	63	70	20	290	9	300	1350	10/30
3	76	86	18	261	9	380	1700	10/30
4	102	111	14	203	8	490	2600	10/30



AQUAVEND

Aquavend WRC Approved PVC Hose



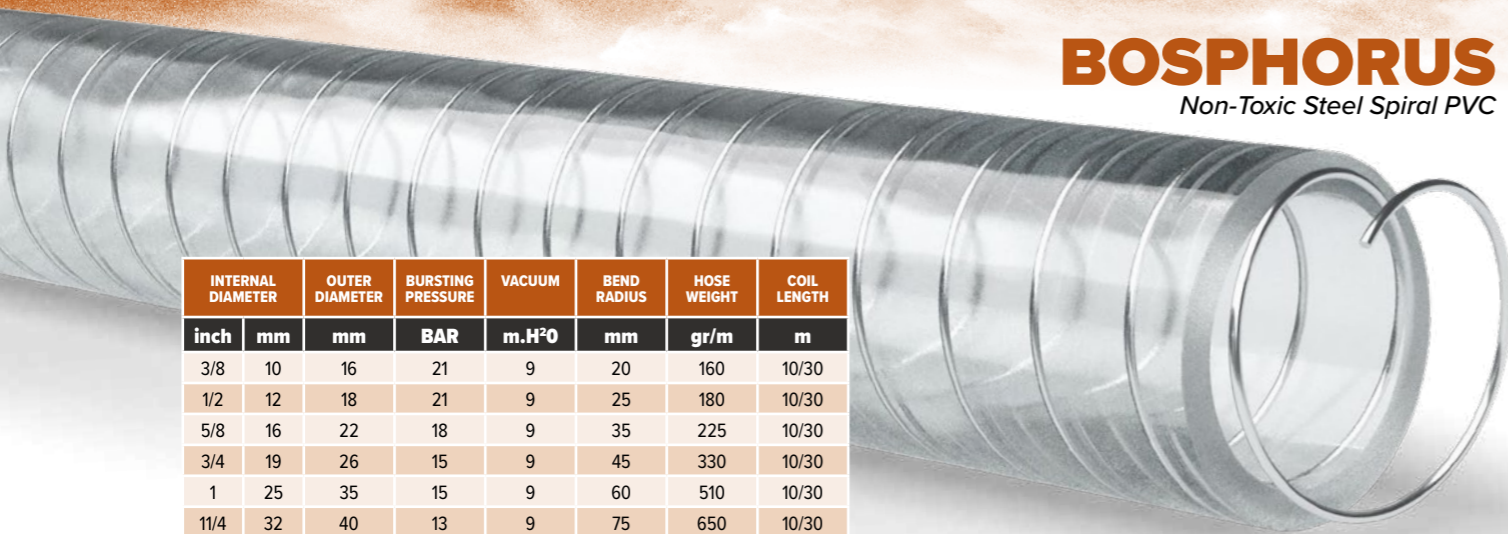
Order Ref: AQU-SIZE-MM

Tube: Cadmium and silicone free. TPE (thermoplastic elastomers) mirror smooth inner for improved flow. Odourless and taint free.
Reinforcement: Manufactured using unique ultra-hygienic heat bonding technology provides flexibility and durability. High tensile polyester fibres create an effectively balanced pressure hose.
Cover: High quality PVC outer extruded with a brilliant white finish, resistant to abrasion. Good kink resistance.
Application: For use in vending machines, water softeners, for drinking water and popular with caravan and marine industry for water supply tubing.
Specification: BS 6920 Water Research Council Approved.

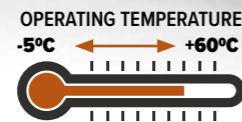
INTERNAL DIAMETER		OUTER DIAMETER	WORKING PRESSURE		BURSTING PRESSURE		BEND RADIUS	HOSE WEIGHT	COIL LENGTH
inch	mm	mm	BAR	PSI	BAR	PSI	mm	gr/m	m
1/4	6.3	12	10	80	30	110	30	59	30.5
3/8	10	16	10	60	40	155	30	73	30.5
1/2	12.5	19	10	44	55	207	30	88	30.5
3/4	19	26	10	40	135	300	30	10.1	30.5
1	25	33	10	30	210	500	30	10.5	30.5

BOSPHORUS

Non-Toxic Steel Spiral PVC



INTERNAL DIAMETER		OUTER DIAMETER	BURSTING PRESSURE	VACUUM	BEND RADIUS	HOSE WEIGHT	COIL LENGTH
inch	mm	mm	BAR	m.H ² O	mm	gr/m	m
3/8	10	16	21	9	20	160	10/30
1/2	12	18	21	9	25	180	10/30
5/8	16	22	18	9	35	225	10/30
3/4	19	26	15	9	45	330	10/30
1	25	35	15	9	60	510	10/30
1 1/4	32	40	13	9	75	650	10/30
1 1/2	38	47	12	9	90	800	10/30
-	40	49	9	9	95	870	10/30
1 3/4	45	55	9	8	105	1100	10/30
2	51	61	9	8	125	1200	10/30
2 3/8	60	72	7	7	135	1800	10/30
2 1/2	63	76	7	7	150	1950	10/30
3	76	90	6	7	195	2500	10/30
4	102	116	6	6	300	3400	10/30
6	152	166	6	6	460	6350	10/20



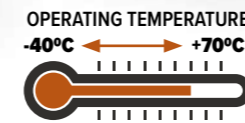
Order Ref: BWR-SIZE MM

Reinforcement: Galvanised steel wire helix.
Application: For suction and delivery of water, mineral water, fruit juices, liquids.

ABRA

ANIMAL FEED

Animal Feed With Cuffed Ends



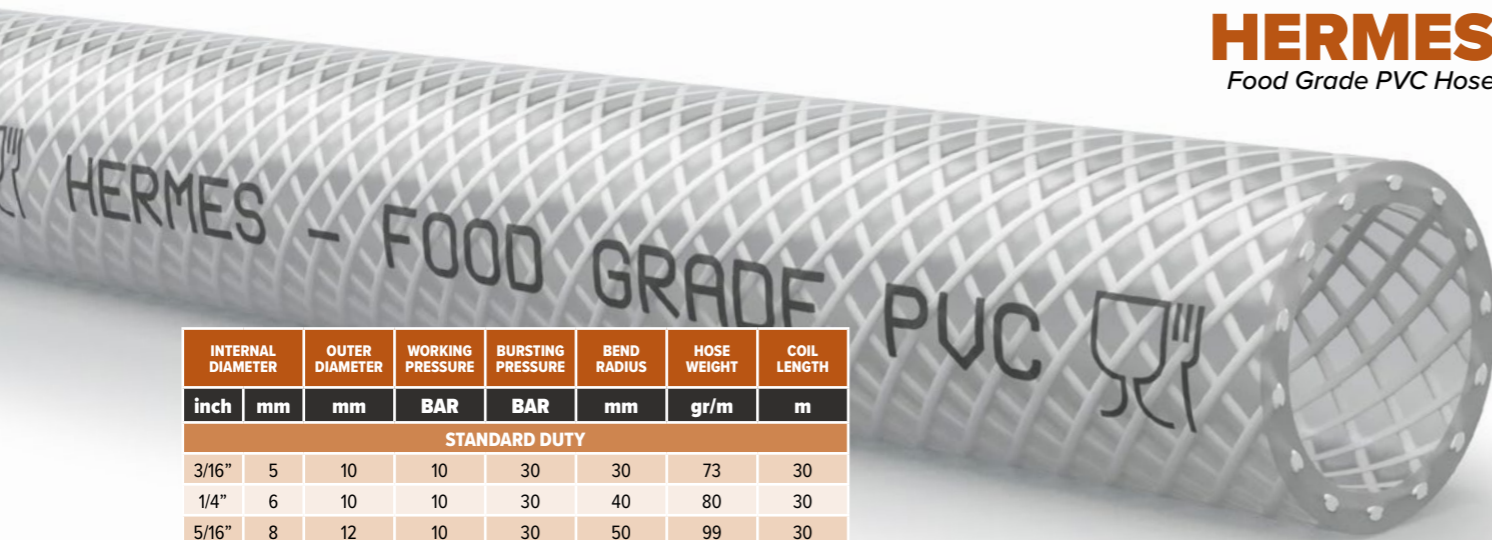
Order Ref: AFH-SIZE MM

INTERNAL DIAMETER		OUTER DIAMETER	WORKING PRESSURE		BURSTING PRESSURE		VACUUM	BEND RADIUS	HOSE WEIGHT	COIL LENGTH
inch	mm	mm	BAR	PSI	BAR	PSI	m.H ² O	mm	gr/m	m
4	101.6	118	4	145	12	450	-0.80	510	3770	6T,7FT, 8FT,9FT, 10FT, 12FT & 30 mtr coils

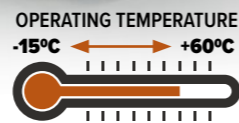
Tube: Abrasion resistant natural rubber, (beige colour).
Reinforcement: High tensile synthetic textile, steel wire helix and antistatic copper wire.
Cover: Abrasion, ozone and weather resistant pin-pricked special synthetic.
Application: For suction and discharge of abrasive powders, dust, granules.
ABRA animal feed hose has an extra thick natural rubber liner. Many alternative products are supplied with a 3mm liner. This will proportionally reduce hose life.

HERMES

Food Grade PVC Hose



INTERNAL DIAMETER		OUTER DIAMETER	WORKING PRESSURE	BURSTING PRESSURE	BEND RADIUS	HOSE WEIGHT	COIL LENGTH
inch	mm	mm	BAR	BAR	mm	gr/m	m
STANDARD DUTY							
3/16"	5	10	10	30	30	73	30
1/4"	6	10	10	30	40	80	30
5/16"	8	12	10	30	50	99	30
3/8"	10	14	10	30	50	99	30/100
1/2"	13	17.5	10	30	60	152	30
5/8"	16	21	10	30	80	197	30
3/4"	19	24	10	30	95	240	30/50
1"	25	31	10	30	125	367	30
1 1/4"	32	40	10	30	208	576	30
1 1/2"	38	46	10	30	247	632	30
2"	50	60	10	30	325	1104	30/100
HEAVY DUTY							
1/4"	6	11.4	14.25	57	92	-	30/100
5/16"	8	13.2	12.25	49	101	-	30
3/8"	10	16	11.25	45	112	-	30/100
1/2"	13	18.2	10.5	42	152	-	30/100
5/8"	16	23	10	40	161	-	30
3/4"	19	25.6	10	40	177	-	30/100
1"	25	32.6	10	40	254	-	30/100
1 1/2"	38	48	10	40	594	-	30



Order Ref:
STANDARD - CBP-SIZE-MM
HEAVY - CBP-SIZE-MM-HD

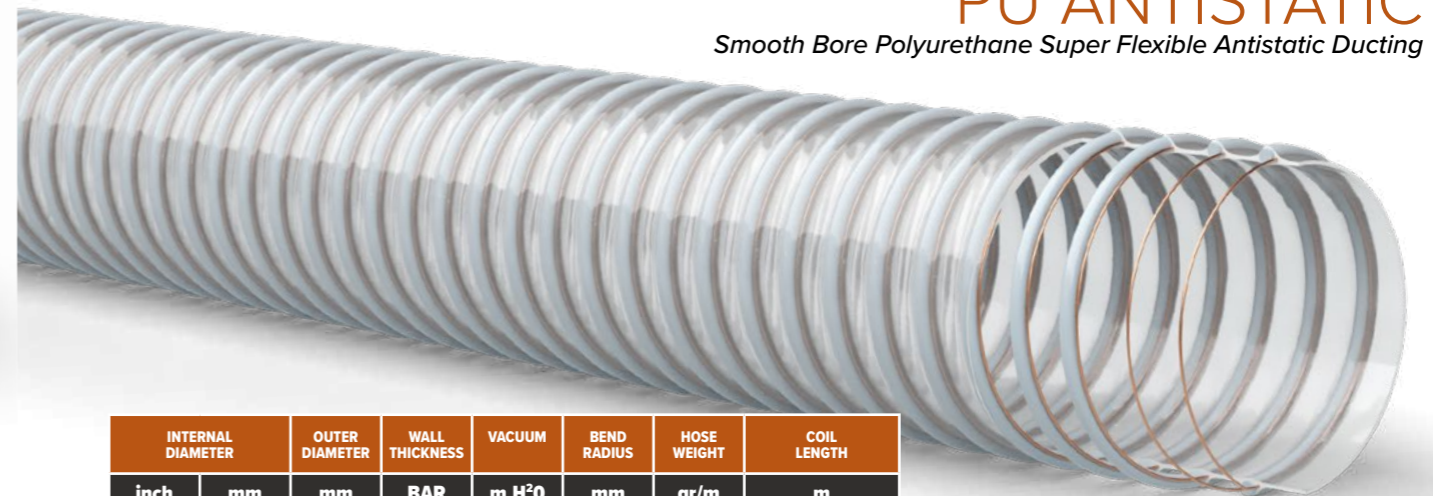
Construction: Highest quality food-safe PVC compound, reinforced with terylene reinforcement for positive pressure applications. Manufactured from FDA approved PVC compounds.

- Crystal clear PVC allows conveyants to be seen in use.
- Product tested to US Food & Drug Administration Part 177.1975
- Also tested to PAHs for Polycyclic Aromatic Hydrocarbons
- REACH and RoHS compliant
- Compliant to EU 10/2011 Class A, B and C- plastic materials intended to come into contact with Food.
- Phthalates - Free
- Suitable and safe for use in the food & beverage industry as well as water and compressed air
- Suitable for use with mineral water, fruit juice, soft drinks, alcohol > 50%

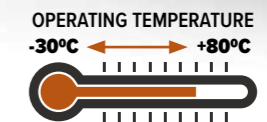
SUPERFLEX

PU ANTISTATIC

Smooth Bore Polyurethane Super Flexible Antistatic Ducting



INTERNAL DIAMETER		OUTER DIAMETER	WALL THICKNESS	VACUUM	BEND RADIUS	HOSE WEIGHT	COIL LENGTH
inch	mm	mm	BAR	m.H ² O	mm	gr/m	m
1	25	31	0.6	6	65	300	20
1 1/4	32	39	0.7	6	70	400	20
1 1/2	38	46	0.9	6	78	470	20
1 9/16	40	48	0.9	6	85	510	20
2	51	59	0.9	6	100	615	20
2 1/2	63	72	0.9	5	120	750	20
3	76	85	0.9	4	145	920	20
3 1/2	90	100	0.9	3.5	180	1080	20
4	102	114	1.1	3	200	1250	20
5	127	138	1.1	2.5	250	1560	20
6	152	165	1.1	2	350	1850	20
8	203	216	1.1	1.5	410	2500	10



Order Ref: SPU-SIZE-A/S

Tube: Polyurethane with maximum strength and flexibility. Shock resistant with spiral helix on exterior. Copper wire inhibits antistatic electricity.
Application: Suitable for use in agricultural applications, for suction and discharge of abrasive materials such as dust and shavings. Esther based PU food grade for dry foods and water.



COUPLINGS & ASSEMBLIES

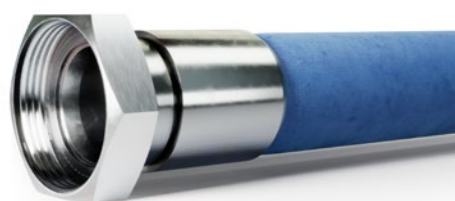
Common Coupling Standards

At Lantech we manufacture a wide selection of connecting ends to suit individual customer requirements. No two sites or plants are the same and it's not unusual to have a selection of different connectors on different machines and applications.

Most fittings are supplied in 316 stainless steel for wetted parts, with some nuts being manufactured from 304 stainless.



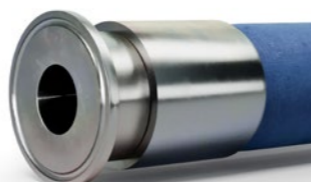
RJT -Ring Joint Type



RJT is probably the most commonly found hygienic fitting and complies to BS4825 – Stainless steel tubes & fittings for the Food Industry. Lantech can supply RJT swivel female and fixed male end connectors in a range of sizes from 1" to 6" with 2", 2 1/2" and 3" being the most popular. RJT is very popular on applications that require regular connecting / disconnecting such as Tanker Bays. We also supply replacement joint rings(gaskets) , Blanking caps and spanners.

Tri-Clamp

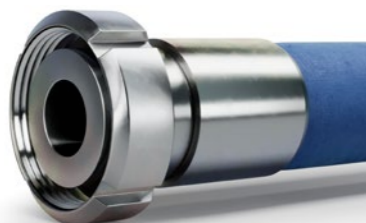
Commonly known as Triclover. This is a non-threaded coupling(ferrule) that utilises a rubber seal and is held together by a special hinged clamp. Various options are available on the seal(gasket) depending on what the application and conveyant is. Options include the following in BS4825 and DIN options.



Blue EPDM • Green Viton • PTFE/ Viton envelope • Solid PTFE Clear Silicone • Metal detectable • Black mesh filter

Clamps can be with a wing-nut or for higher pressures double-bolted is available. Tri-clamp is available in a wide range of sizes from 1/2" to 12". Hose assemblies tend to be no bigger than 6" NB.

DIN 11851 Metric & Imperial



Like RJT, DIN 11851 is a coarse thread that is quick and simple to connect with no potential for cross threading and easier to clean and sterilise. Physically the Din nut differs in that it is round as opposed to hexagon (RJT) and it has slots that are used in conjunction with a special spanner to tighten the union.

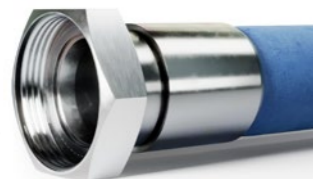
Available in sizes 1" through 4" (imperial) and DN10 through DN200 (metric) As with most hygienic fittings alternative seals are available dependant on application. DIN 11864-1 Aseptic versions also available

SMS Swedish Metric Standard)



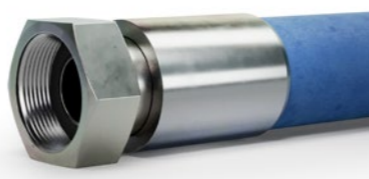
Similar in appearance to the rounded DIN nut but generally features more slots for tightening. Available in sizes 1" through 4". Very popular. Alternative seals are available dependant on application.

IDF



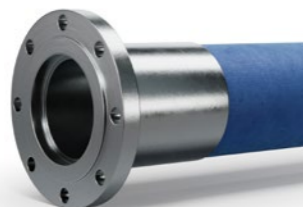
IDF is similar in appearance to the RJT fitting with a hexagon female nut. Compared to the RJT union the IDF has an improved flow characteristic and is considered better for avoiding bug traps in the process/ IDF tends to be used where CIP systems are common.

BSP/NPT



Lantech can supply BSPP, BSPT and NPT threads for food and drink applications if the situation arises

Flanges ASA, PN, BS10



Lantech supply 316 stainless flanged hoses if required in all popular configurations

Cam & Groove



Available in various options including DIN smooth tail, Autolok and fully PTFE lined versions

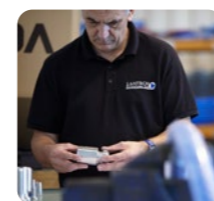
HOSE ASSEMBLIES

Hygienic hoses are manufactured in a clean environment using dedicated swaging machines. All our technicians are fully trained to manufacture hygienic assemblies. We have numerous options for assembly but the most popular is using stainless steel interlocking ferrules. As well as being very durable and non-rusting our process works on a triple-lock principle for optimum safety and security

The specially designed ferrule bites firmly onto the external cover of the hose once swaged without causing any damage to the protective cover.

The swage ferrules locks onto a retaining groove on the hose coupling, stopping the fittings creeping forward under pressure or if poorly fitted,.

Under pressure the specially designed serrated tailpiece compresses the rubber lining , which starts to flow into the serrations on the coupling



Dimensional checks are taken to ensure the hose assembly is within tolerance of our Standard Operating Procedure.

Assemblies are hydrostatically tested to 1.5 times the MAWP (Maximum Allowable Working Pressure) and held



at pressure for an agreed period of time. Visual inspections are undertaken during this process , with particular focus on any ferrule or coupling movement or obvious leaks, drips or drop in test pressure

After passing test, it is normal to issue the assembly with a unique ID number which typically details

- Customer
- Date of Manufacture
- Test Pressure
- Unique ID number



There are numerous methods for tagging but engraving or etching onto the hose ferrule is a very popular option.

Hose assemblies are issued with test certificates that correspond with the hose ID number and the hose is normally entered onto a dedicated customer asset register.

Lantech Site Surveys Hose Management Programme

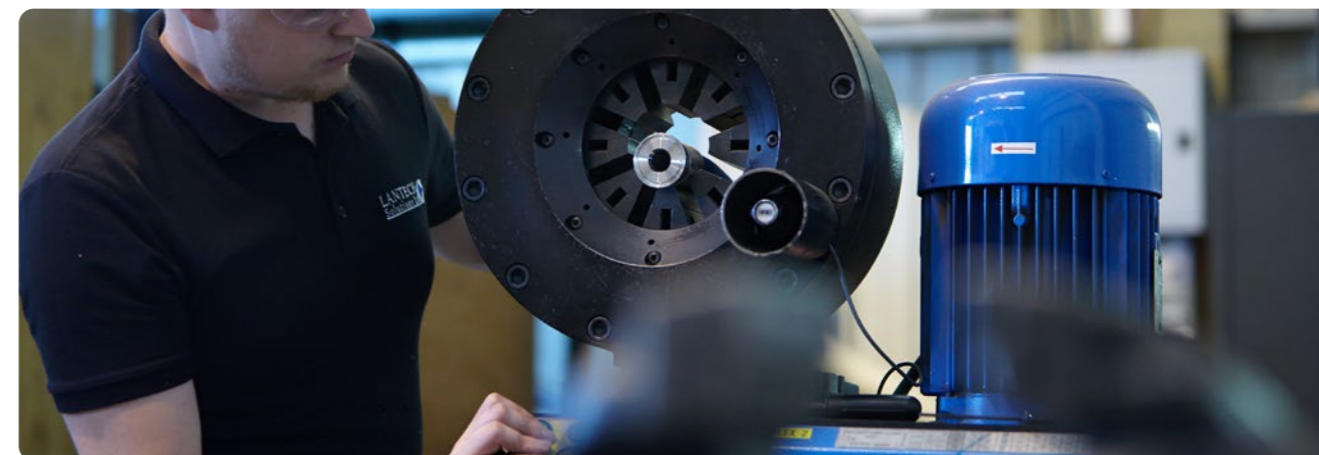
Lantech has a number of very experienced engineers who can carry put a complete site survey at your convenience. This will include a full visual inspection of all your process and utility hose assemblies.

We will look for any assemblies that are exhibiting signs of damage & wear and identify potential failures. Where practicable we will record the existing hose ID number and plant location and pull this together into a comprehensive report that details our findings and recommendations. This is a hugely popular service and it books up quickly, so please contact us to arrange a visit.

On-Site Testing

We have many longstanding customers who entrust us with their hose testing regime. This operates closely with the site surveys and means we can come to your site, at a mutually agreed time, to quickly and professionally test all your hoses to ensure they are safe, compliant and fit for purpose.

Please give us a ring or send an email and we'd be happy to discuss this important procedure with you and your team.





WASHDOWN

Lantech stock a range of non-marking food-quality hot-water/ steam hoses that are suitable for cleaning, sterilization and washdown in the food industry.

Typical applications include Fish processing, Meat processing, abattoirs, canneries, dairies

Specific hoses can be fitted to hose reels to suit individual requirements.



BIOVAST

Steam Cleaning Hose Assemblies

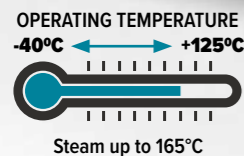
For steam cleaning at temperatures up to +165°C and hot water washing in food processing plants. Transfer of hot liquid foodstuffs. Suitable for reel mounted applications

- Extremely flexible
- Food grade quality white inner tube, oil resistant
- Excellent cover resistance to animal/vegetable grease
- Non-staining cover
- Contains no Phthalate
- Inner Tube: Food grade oil resistant NBR, white, smooth
- Reinforcement: Synthetic textile
- Cover: Oil and weather resistant NBR/ PVC, blue
- Temperature Range:-20°C to +100°C
- Sizes: From minimum ID of 13.0mm/ OD of 23.0mm to Maximum ID of 25.0mm/OD of 37.0mm
- Working Pressure (steam): 6 bar @ +165°C
- Working Pressure (water): 20 bar
- Bursting Pressure: 60 bar
- Standard Approval: EU regulation no. 1935/2004 and 2023/2006 FDA regulation no. 21 CFR 177.2600



VAPOUR

Vapour-Dairy Steam Hose FDA 7 Bar



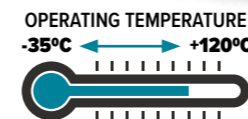
Order Ref: DWH-SIZE MM

Tube: White EPDM food quality, taste & odour free.
Reinforcement: High tensile textile cord.
Cover: EPDM blue smooth with cloth impression.
Application: Dairy washdown hose resistant against alcohol and bacteria FDA approved material.

INTERNAL DIAMETER		OUTER DIAMETER	WORKING PRESSURE		BURSTING PRESSURE		BEND RADIUS	HOSE WEIGHT	COIL LENGTH
inch	mm	mm	BAR	PSI	BAR	PSI	mm	gr/m	m
1/2	13	24	7	102	70	1015	91	408	40
3/4	19	31	7	102	70	1015	133	595	40
1	25	37	7	102	70	1015	175	685	40

HOT WATER WASHDOWN

Hot Water Washdown -15bar



Order Ref: BWH- size mm

Tube: White FDA EPDM
Reinforcement: High tensile synthetic textile plies.
Cover: Blue EPDM
Safety Factor: 3:1

- **NEW** - Non-marking smooth extruded rubber cover
- **VERY COMPETITIVELY PRICED**
- Suitable for hot wash cleaning on and off hose reels
- Smooth cover is excellent for wiping clean
- Suitable for hot water washing and sterilising to 120degC. NOT SUITABLE FOR STEAM.

SIZE	INNER DIAMETER	OUTER DIAMETER	WORKING PRESSURE	BURSTING PRESSURE	HOSE WEIGHT
inch	mm	mm	BAR	BAR	gr/m
1/2"	13	23	15	45	376
3/4"	19	29	15	45	504
1"	25	35	15	45	706



HOSE REELS FOR THE FOOD & DRINK SECTOR

Lantech have decades of experience when it comes to recommending & supplying the correct hose reel for your application

Hose Reels are increasingly being recognized for offering major benefits in the modern workplace

- They increase efficiency. The hose reel can normally be located close to the workspace. When required, the hose can be deployed and when the task has been completed, it can quickly be recoiled – up and out of the way.
- They reduce the potential for tripping hazards. All hose laid on the floor presents a tripping hazard. It makes sense therefore to only have trailing hose in the workplace when one has to e.g. washdown regimes
- Hoses last longer. Hoses that are stored away are less likely to be run over by trucks or forklifts or potentially come into contact with a substance that might degrade the rubber.
- Improved working environment – hose reels, especially stainless steel versions, simply look tidy and denote a professional working environment.
- Low maintenance – when used correctly, our hose reels will give years of trouble-free operation.

There are many variables when it comes to choosing the correct hose reel. We are happy to feature a small selection of what is currently popular in the Food & Drink Industry.

Please contact the team if you would like us to come to your site and make some recommendations on the correct type of reel.



POSSIBLE FIELDS OF APPLICATION

- Hygienic Environments
- Food & Chemical
- Cannery / Packaging Facilities
- Fish & Seafood Processing
- Market Meat Departments / Butchers
- Bottling Plants / Brewery
- Corrosive Environments
- Processing Plants
- Meat Packing Plants
- Food Grade Washdown
- Pulp & Paper Plants
- Pressure Washing / Sterilization / Sanitizing
- Potable Water Dispensing
- High Volume Fluid Delivery
- Oil, Grease, Water, and Air Dispensing
- Pasteurizing Plants / Dairies
- Laboratories / Controlled Environments
- Restaurants / Commercial Kitchens



Long lengths – 70m of 12mm (1/2") diameter hose Suitable for pressures up-to 4000psi

Supplied as standard with a hand crank for larger hoses and will hold up-to 60m of 19mm (3/4") wash down hose

This option can also be supplied with motorized rewind e.g. pneumatically powered.

- Stainless Steel 304
- External 90° SS Swivel/Fluid Path
- 1/2" up to 70m
- 4000 PSI
- Hand Crank

MANUAL HOSE REELS

For larger diameter hoses or longer runs

This reel can take longer lengths of smaller hose e.g. up to 70m of 13mm (1/2") bore

Or 30m of 25mm (1") diameter hose.

Manual handle to rewind the hose.

Can also be supplied with a trolley so that the hose reel can be taken on & off the shopfloor as required.

- Stainless Steel 304 & 316 Options
- Manual Hand Crank
- 1/2" up to 70m
- 3/4" up to 40m
- 1" up to 30m
- Optional Trolleys
- Reel Baring Brake
- Angled Swivel



Motorized Options Available

- Stainless Steel 304
- External 90° SS Swivel & Internal Fluid Path
- 1/2" up to 60m
- 3/4" upto 60m
- 3000 PSI
- Hand Crank
- Motorized Options Available
- Roller Guides Available



SPRING REWIND HOSE REELS

Suitable for most hygienic washdown applications

Spring Rewind reels are very popular and most suitable for applications where smaller diameter hoses and shorter lengths are suitable.

- Spring Rewind Hose Reel
- Stainless Steel 304 Construction
- Brass Swivel Assembly
- Auto Latching Mechanism
- 3/8" up to 20m
- 1/2" up to 18m
- Up to 28 Bar
- Swing Bracket Available
- Hose (Optional)
- Other sizes available up to 1"

UPVC SPRING REWIND HOSE REEL



RECOILER SPRING REWIND

Heavy duty UPVC spring driven hose reel for hot water, the reel comes complete with 15m x 12 blue hot water hose 80°C 10 bar working pressure. The hose terminates in a 1/2" BSPT male and the hose reel inlet is 1/2" BSP female.

- UPVC Spring Rewind Hose Reel
- 10 bar
- 80°C
- Brass Swivel Assembly
- Mounting Bracket Included
- Floor Mount Optional
- Complete With 1/2" x 15m Blue Hot Wash Hose



SINGLE PEDESTAL SPRING REWIND

- Stainless Steel 304
- Spring Driven
- 3/8", 1/2", 3/4" Options
- Up to 15M
- Single Pedestal
- Up to 3000PSI



DOUBLE PEDESTAL SPRING REWIND

- Stainless Steel 304
- Spring Driven
- 1/2" & 3/4" Options
- Up to 20M
- Dual Pedestal
- 300PSI

SPRING REWIND HOSE REEL FEATURES

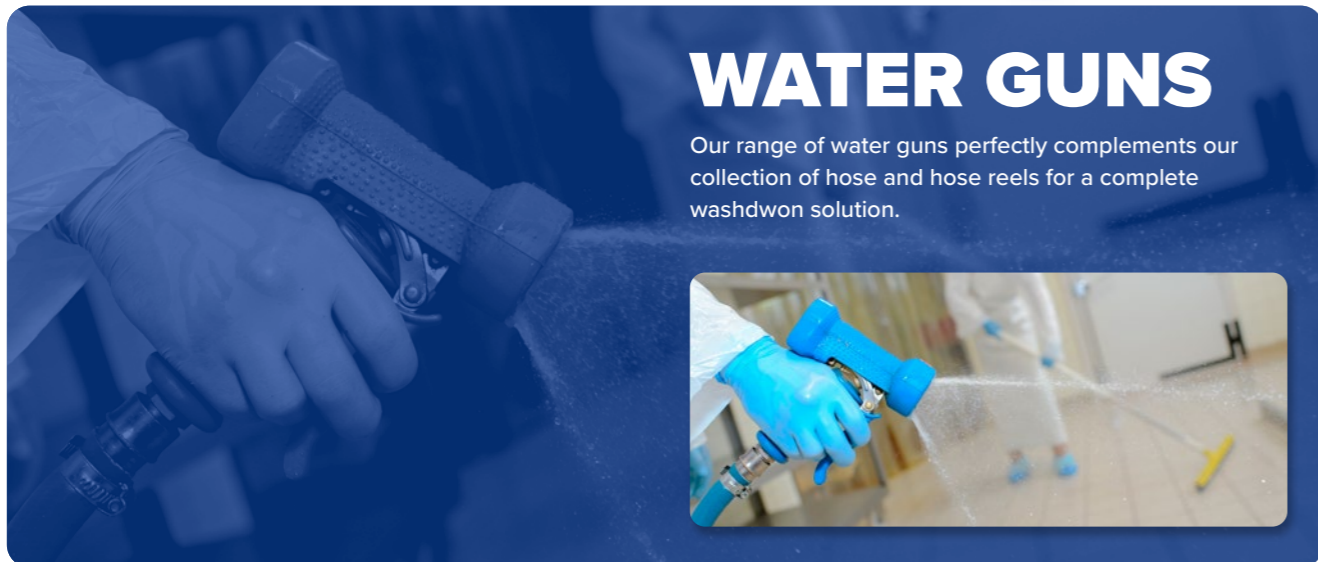
- **SWIVEL** - Non-corrosive external fluid path with machined from high quality stainless steel 90° full-flow NPT swivel inlet.
- **CARTRIDGE MOTOR** - Electro-polished stainless steel lubricated and enclosed cartridge-style motor is easily removable for safe and convenient maintenance.
- **CNC SPUN DISCS** - Heavy duty CNC robotically spun and ribbed discs with rolled edges for greater strength, durability, hose protection and operator safety.
- **1/4" STEEL BASE** - Sturdy single pedestal design with solid one piece stainless steel base and support post, no weld, for maximum stability and professional grade strength without the weight. Exclusive Super Hub™ dual axle support system.
- **MULTI-POSITION GUIDE ARM** - Versatile stainless steel guide arm adjusts to wall, floor, ceiling, and vehicle mounting positions.
- **OTHER FEATURES INCLUDE** - Sturdy permanently lubricated precision bearings.



FULLY ENCLOSED SPRING REWIND

- Enclosed Reel
- Stainless Steel 304
- Spring Driven
- 3/8" & 1/2" Options
- Up to 15m
- 300PSI





WATER GUNS

Our range of water guns perfectly complements our collection of hose and hose reels for a complete washdown solution.



HEAVY DUTY WATER GUN



A superior 'Heavy Duty Water Gun' now fitted with rubber trigger insulation and a protective guard at the top of the handle. Also known as Dinga nozzle, Trigger nozzle and Water Spray gun. Widely used in industrial washdown applications. Blue non marking cover makes it perfect for Hygienic applications.

- Rugged heavy duty brass body
- All 'O'-Rings and covers in EPDM
- Insulated moulded grip for spraying hot or cold water
- Trigger and operating mechanism in S/S
- 1/2" Bsp female inlet
- Maximum working pressure 24 Bar (350 psi)
- Maximum working temperature 950C
- Hold-open clip for continuous spraying
- Weight approx 870 grams
- Water jet adjustable from a cone to a jet
- Clear arrow to show water beam direction

Although all components in this Water Gun can withstand over 100°C we do not recommend it for Steam.

Colour	Part#
Blue	AKMN001-B

STAINLESS STEEL HEAVY DUTY WATER GUN



Ideal for Food manufacturing, Pharmaceutical, Breweries, distilleries, Milk & Dairy processing or any work area that requires all stainless construction. Also suitable for aggressive environments.

- Rugged Stainless Steel 316 body
- Covers in EPDM
- Internal O-rings in Viton suitable for food (FDA)
- Insulating moulded grip for spraying hot or cold water
- Trigger and operating mechanism in S/S
- 1/2" Bsp female inlet
- Maximum working pressure 24 Bar (350 psi)
- Maximum working temperature 950C
- Hold-open clip for continuous spraying
- Weight approx 970 grams
- Water jet adjustable from a cone to a jet
- Clear red arrow to show water beam direction

Although all components in this Water Gun can withstand over 100°C we do not recommend it for Steam.

Colour	Part#
Blue	AKRN001-B
White	AKRN001-W

COLOURED HEAVY DUTY WATER GUN



Perfect for preventing cross-contamination in critical areas

- Rugged heavy duty brass body
- All 'O'-Rings and covers in EPDM
- Insulated moulded grip for spraying hot or cold water
- Trigger and operating mechanism in S/S
- 1/2" Bsp female inlet
- Maximum working pressure 24 Bar (350 psi)
- Maximum working temperature 800C
- Hold-open clip for continuous spraying
- Weight approx 970 grams
- Water jet adjustable from a cone to a jet
- Clear arrow to show water beam direction

Although all components in this Water Gun can withstand over 100°C we do not recommend it for Steam.

Colour	Part#
White	KLMN001-W
Green	KLMN001-G
Red	KLMN001-R



HEAVY DUTY WATER GUN WITH GUARD & SWIVEL

Dinga type Heavy Duty Water Gun with a brass body, built in trigger guard and swivel to prevent twisting and torsion on the hose making washdown tasks easier for the operator as the gun swivels independently from the hose.

- Heavy duty cast Brass body
- All 'O'-Rings and covers in EPDM
- Insulated moulded grip for spraying hot or cold water
- Trigger and operating mechanism in S/S
- Trigger rubber covered to protect hands from heat
- Handle has rubber collar at the top to protect hands from heat
- A trigger guard for extra life and operator protection
- Brass SWIVEL as standard
- 1/2" Bsp or 3/4" Bsp female inlet as standard
- Maximum working pressure 24 Bar (350 psi)
- Maximum working temperature 950C
- Hold-open clip for continuous spraying
- Weight approx 970 grams
- Water jet adjustable from a cone to a jet
- Clear arrow to show water beam direction

Although all components in this Water Gun can withstand over 100°C we do not recommend it for Steam

Description	Part#
HDWG-1/2" BSP female inlet	AKMNP01



LIGHTWEIGHT WATER GUN

A lightweight, cost effective Water Gun with a glass reinforced body (FDA) body but still suitable for demanding applications. Also suitable for smaller hands, compared to a Heavy Duty gun and considerably lighter to use (500g compared to 870g on a heavy duty gun)

- Rugged glass reinforced body (FDA) body
- All 'O'-Rings in EPDM/Viton (FDA)
- Insulated EPDM cover and grip for spraying hot or cold water
- Trigger and operating mechanism in S/S
- 1/2" Bsp female inlet
- Maximum working pressure 12 Bar (175 psi)
- Maximum working temperature 500C
- Hold-open clip for continuous spraying
- Weight approx 500 grams
- Water jet adjustable from a cone to a jet
- Clear arrow to show water beam direction
- Do NOT use the AKNN001-B for Steam

Colour	Part#
Blue	AKNN001-B



STAINLESS STEEL HEAVY DUTY WATER GUN WITH GUARD

Ideal for Food manufacturing, Pharmaceutical, Breweries, distilleries, Milk & Dairy processing or any work area that requires all stainless construction. Also suitable for aggressive environments.

- Rugged Stainless Steel 316 body
- All 'O'-Rings and covers in EPDM
- Insulated moulded grip for spraying hot or cold water
- Trigger and operating mechanism in S/S
- Trigger rubber covered to protect hands from heat
- Handle has rubber collar at the top to protect hands from heat
- A trigger guard for extra life
- 1/2" Bsp female inlet
- Maximum working pressure 24 Bar (350 psi)
- Maximum working temperature 950C
- Hold-open clip for continuous spraying
- Weight approx 970 grams
- Water jet adjustable from a cone to a jet
- Clear red arrow to show water beam direction

Although all components in this Water Gun can withstand over 100°C we do not recommend it for Steam

Colour	Part#
White	AKRNP01-W



STERILISABLE WATER GUN

A unique sterilisable 'Water Gun' with a S/S body, Latex rubber covers & Viton™ seals. Our sterilisable water gun is for wash down and water saving in laboratories, hospitals and mortuaries, the pharmaceutical and foods industries; indeed anywhere where infection control or cleanliness is important.

- Can be sterilised to 160oC.
- All 'O'-Rings in Viton.
- All covers are Latex rubber.
- Rugged heavy duty stainless steel 316 body.
- Trigger and operating mechanism in S/S.
- Insulated moulded grip for spraying hot or cold water.
- 1/2" Bsp female inlet.
- Maximum working pressure 24 Bar (350 psi)
- Maximum working temperature 950C.
- Hold-open clip for continuous spraying.
- Weight approx 970 grams.
- Water jet adjustable from a cone to a jet.
- Clear arrow to show water beam direction.

Although all components in this Water Gun can withstand over 100°C we do not recommend it for Steam

Colour	Part#
Blue	AKRN002

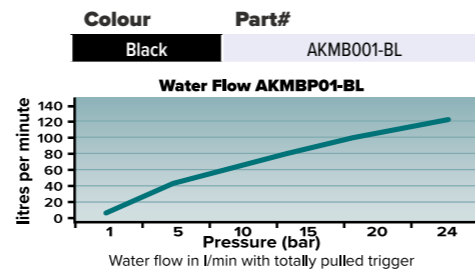


HiFLOW HEAVY DUTY WATER GUN

A superior industrial heavy duty water gun with approximately 50% more flow than the Dinga type standard water gun. Available in Black.

- Rugged Brass body
- All 'O'-Rings and covers in EPDM
- Insulated moulded grip for spraying hot or cold water
- Trigger and operating mechanism in S/S
- 1/2" Bsp female inlet
- Maximum working pressure 24 Bar (350 psi)
- Maximum working temperature 950C
- Hold-open clip for continuous spraying
- Weight approx 970 grams

- Water jet adjustable from a cone to a jet
- Clear arrow to show water beam direction



Although all components in this Water Gun can withstand over 100°C we do not recommend it for Steam



WATER GUN FOR FOAM TANKS OR LANCES

The 'Heavy duty spray gun with adapter output' has a special quick release adapter fitted to the nozzle, enabling a variety of different devices to be fitted. Applications include foaming without compressed air, rinsing with adjustable water beam, connection to a gel/foam tank, disinfecting & lance spraying.

- Heavy Duty Brass body
- All 'O'-Rings and covers in EPDM
- Insulated moulded grip for spraying hot water
- Trigger and operating mechanism in S/S

- 1/2" Bsp female inlet
- Maximum working pressure 24 Bar (350 psi)
- Hold-open clip for continuous spraying
- Weight approx 1200 grams
- Water jet adjustable from a cone to a jet
- Clear arrow to show water beam direction

Colour	Part#
White	AKMNAP2-B



HiTEMP SAFETY HOT WATER GUN

Meticulously designed with optimum user safety in mind. The HiTemp Safety water gun has numerous safety features

- New Nozzle design for more precise control of the hot water spray pattern
- A longer rubber hand grip and protective collar to help prevent any hand contact with hot metal parts
- Improved design of the rubber insulation on the trigger to ensure comfortable and safe prolonged use.
- Double rubber insulation on the hand grip for operator comfort.
- Reinforced safety guard which protects the gun when dropped.
- All stainless steel working parts(316/304)

- A unique flared rubber shroud which covers the swivel joint and metal hose connection and helps insulate the gun for user safety
- Red EPDM cover offers excellent resistance to animal fats
- 1/2" Bsp female inlet
- Maximum working temperature 950C
- Maximum working pressure 24 Bar (350 psi)
- Hold-open clip for continuous spraying
- Weight approx 1200 grams

Colour	Part#
Red	AKRHP01-R

HEAVY DUTY SPRAY NOZZLES



Available in Brass (Blue) and S/S (White) provide a robust solution for industrial and agricultural wash down.

Material	Colour	Part#
Stainless Steel	Blue	AKRSHW3-W
Brass	White	AKMSH02-B

- Designed for parlour washing down but is equally effective in abattoirs and industrial areas where rapid cleaning is required.
- Well-suited for use with high-volume pumps for rapid wash down of soiled areas, the 'Heavy Duty' Spray Nozzle offers continuously-adjustable spray settings, from a focused 11mm cutting jet to a wide soaking cone.
- Inlet : 1/2" Bsp female
- Max pressure : 16 Bar
- Max temp : 80° C



'BABY' WATER GUN

The lightweight 'Baby' Water Gun is perfect for less arduous applications or when the operators find the Heavy Duty Water Gun tiring or too big to use.

- Aluminium body
- All 'O'-Rings and covers in EPDM
- Insulated molded grip for spraying hot or cold water
- Trigger in S/S
- 1/2" Bsp female inlet
- Maximum working temperature 500C

- Maximum working pressure 12 Bar (170 psi)
- Weight approx 370 grams
- Water jet adjustable from a cone to a jet
- Clear red arrow to show water beam direction
- Weight approx 1200 grams

Colour	Part#
Blue	BABTN01



'DOUCHE' SPRAY HEAD

The 'Douche' Spray Head is perfect for washing applications where a jet is not wanted. The 'Douche' Spray Head is often suspended over sinks in kitchens or laboratories, for clean water rinsing, after 'washing up'.

- Durable plastic PA6.6 body with S/S internal valve
- Meets the requirements according to FDA 177.1500
- KTW/DVGW W270 approval, for potable water
- Plastic, insulating cover for spraying hot or cold water
- An ergonomic lever and body design, to sit better in the hand.
- Maximum working temperature 80°C

- Maximum working pressure 8 Bar (116 psi)
- Weight approx 250 grams
- Although all components in this product can withstand over 100°C the 'Douche' Spray Head should not be used above 80°C.
- We strongly recommend special precautions when using hot water.

Part#	Description
AKKS003B	Spray Head
MESCO13	1/2" Hose Tail
MESCO16	5/8" Hose Tail
MESCO19	3/4" Hose Tail



BRASS 'VOLUSPRAY' JET SPRAY NOZZLES

High volume 'VoluSpray' nozzles, very robust for industrial and agricultural applications.

The VoluSpray Washdown Gun is designed for parlor washing down but is equally effective in abattoirs & industrial areas where rapid cleaning is required.

Particularly well-suited for use with high-volume pumps for rapid washdown of soiled areas, VoluSpray offers continuously-adjustable spray settings, from a focused 11mm cutting jet to a wide soaking cone.

With its strong brass construction and large rubber buffer for protection against hard surfaces, VoluSpray is the most versatile and practical product

for this purpose in the marketplace today. It is competitively priced and much more durable than existing plastic models.

VoluSpray is available with 20mm, 25mm, 32mm and 40mm diameter barbed hoses and operates under working pressures up to 125psi or 8.5 bar.

Part#	Hosetail Diameter
VS19	3/4"
VS25	1"
VS32	1 1/4"
VS40	1 1/2"



HiJET AIR/WATER GUN

For the ultimate in water saving, yet with a full power jet, the HiJet Air / Water Gun is perfect for heavy duty cleaning applications, when both air and water supplies are available.

Uses 50% less water than a water only gun because the air breaks up the water into many small droplets, each of which creates a new impact, at what ever the jet is aimed.

- Heavy duty Aluminium body
- All O-Rings and covers in EPDM
- Insulated molded grip for spraying hot or cold water
- 10mm diameter hosetail inlets

- Maximum working temperature 500C
- Maximum air inlet pressure 5 Bar (72 psi)
- Maximum water inlet pressure 5 Bar (72 psi)
- Built in hanger for ease of storage
- Although all components in this Water Gun can withstand over 100°C this nozzle should not be used above 50°C.
- We strongly recommend special precautions when using hot water.

Colour	Part#
Blue	AKAWLU-B



RED 'GILMOUR' WATER PISTOL

The Red 'Gilmour' water pistol has the following features:-

- Ideal for commercial or industrial use
- Insulated molded grip for spraying hot or cold water
- Brass head insert for maximum resistance to extremely hot water
- Solid brass valve stem with permanent adjusting nut

- Hold-open clip for continuous spraying
- Rust resistant stainless steel spring
- Self-adjusting 'duck' packing for life time leak proof seal

Colour	Part#
Red	HG572/R



LIGHTWEIGHT SPRAY NOZZLE

Complements full metal heavy duty spray nozzles as it is meant for users for whom a lighter weight and/ or lower cost is more important than the strength of the product.

- Only 260 gms in weight
- Length 239mm
- Comfortable ergonomically shaped handle
- Handle and head made from blue polypropylene
- The same brass nozzle as used in the heavy duty version

- Maximum working pressure 16 Bar
- Maximum working temperature 50°C
- Adjustable spray pattern from wide spray to narrow jet
- The water can be shut off completely by rotating the head
- 3/4" Bsp male connection

Colour	Part#
Blue	AKNSH01-B



Guidelines for Cleaning & Sanitizing Food Hoses

The cleaning and sanitizing suggestions set forth below are guidelines only.

It is necessary that all applicable government regulations pertaining to the cleaning and sanitizing of the food hoses and food hoses assemblies be followed and adhered to and which governmental regulations supersede the guideline contained herein.

The life of the hose is affected by the cleaning and sanitizing process due to the mechanical and chemical stresses which occur during the cleaning and sanitizing procedure. The service period of rubber hoses is dependent on their formulation and the environment of use which in turn is influenced by the product, process temperature, cleaning and bactericidal compounds and time of exposure. Users should frequently monitor the physical condition of the rubber hose material product contact surfaces. Such observations are necessary to determinate the actual sanitary service period of rubber hoses. It is further recommended that the rubber hose be replaced before surface imperfections or sloughing occurs. Routine replacement schedules should be established and followed.

Food hose users should be guided by their own, if applicable, or specific industry cleaning and sanitizing procedures and standards. For example, the wine industry may have different standards than the dairy industry and any standards applicable to a specific industry supersede the guideline contained herein.

The cleaning and sanitizing of food hoses and hose assemblies is intended to remove any food particles or residues including detergents or disinfectant that may be the source of harmful bacteria microorganism or other sources of contamination. The effectiveness of the guidelines contained herein are dependent upon the practices and care taken by the users.

	MEDIUM	HOSE TUBE	CONCENTRATION	TEMPERATURE
RINSING	Hot water	NR / NBR / SILICONE EPDM / BIIR / UPE / PTFE	-	Max 90°C
PHYSICAL DISINFECTANT	Steam [we suggest open steam sterilization]	NR / NBR	-	Max 110°C Max 10 min
		EPDM / BIIR / UPE / PTFE	-	Max 130°C Max 30 min
		SILICONE	-	Max 135°C Max 18 min
CHEMICAL DISINFECTANT	Acid [i.e. Nitric acid]	NR / NBR / SILICONE	0,1%	Max 65°C
			2%	Max 25°C
		EPDM / BIIR / UPE / PTFE	0,1%	Max 85°C
			3%	Max 25°C
	Citric acid	PU	5%	Max 20°C
	Alkaline solution [i.e. Caustic soda]	NR / NBR / SILICONE	2%	Max 65°C
			4%	Max 25°C
		EPDM / BIIR / UPE / PTFE	2%	Max 85°C
5%			Max 25°C	
Caustic soda	PU	2%	Max 20°C	
Disinfectant [i.e. Peracetic acid]	NR / NBR / SILICONE	1%	Max 25°C	
			EPDM / BIIR / UPE / PTFE	Max 40°C

The life of the hose is affected by the cleaning and sanitizing process due to the mechanical and chemical stresses which occur during the cleaning and sanitizing procedure. The service life of rubber hoses is directly dependent on frequency and time of exposure to PHYSICAL and CHEMICAL disinfectants. Users should frequently monitor the physical condition of the rubber hose material product contact surfaces. Such observations are necessary to determinate the actual sanitary service period of rubber hoses.

The present tabulation is based on tests and on generally available sources, and believed to be reliable. However, must be used as a guidance only since it does not take in consideration all variable that may be encountered in actual use such as and not limited to duration of exposure and stability of the fluid and possible contamination.

CLEANING & SANITIZING STEPS

1. FREQUENCY The frequency of the cleaning and sanitizing cycle needs to be done according to the type of food or beverage being conveyed and the contamination risk level. In principle, the cleaning and sanitizing process should be conducted on a frequent basis.

2. WASHING Thoroughly washing the hose with hot potable water is the first step in the cleaning process. Washing with hot potable water will facilitate the cleaning of the hose but does not eliminate the need to clean the hose with the appropriate detergent followed by the disinfection of the hose. The temperature of the hot water and duration of the washing/rinsing cycle will depend upon the characteristic of the material/products being conveyed.

The initial washing/rinsing with hot potable water should be completed as soon as possible after the conveyance process is completed. All residual water and residue from the initial washing/rinsing cycle must be drained away completely.

3. CLEANING/DISINFECTING The selection of a specific detergent and of a specific disinfectant will depend on the material/products being conveyed. The recommendation of the manufacturer of the detergent and of the disinfectant should be strictly followed especially regarding concentration levels.

After the cleaning of the hose with detergent followed by the rinse of it with potable water, the hose must be sterilized either with steam or with chemical solution.

Steam is classified as "Physical" disinfectants: its effectiveness in eliminating bacteria and other contaminants varies according to the material/products being conveyed and the procedure employed by the users.

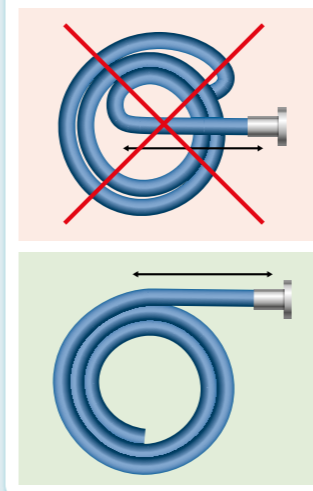
Chemical disinfectant such as caustic soda, nitric acid, per-acetic acid, phosphoric acid, chloroacetic acid or other acids suitable for disinfecting food hoses must be carefully selected to ensure optimal effectiveness while also assuring maximum safety and health. When selecting a particular disinfectant, it is necessary to pay strict attention to concentration levels, temperature, cycle time, etc. The type of product/material being conveyed be taken into consideration when selecting a specific disinfectant.

As soon as the disinfecting treatment with chemical solutions is made, the hose must be carefully and for a sufficiently long time rinsed with potable water to eliminate any chemical residues from the disinfecting treatment.

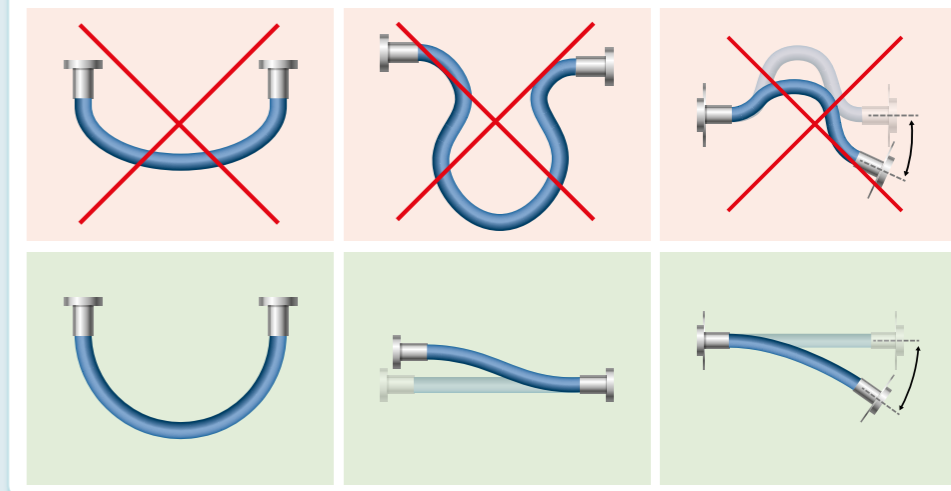
4. PROCESS CONTROLS The result of the cleaning and sanitizing process must be regularly checked to ensure that all contamination and residuals have been eliminated. Any non-conforming events need to be addressed in a corrective action procedure.

INSTRUCTIONS FOR ASSEMBLY & USE

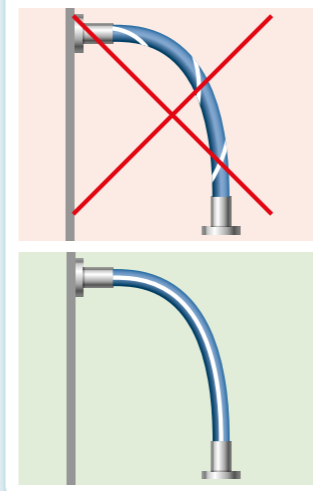
Do not pull but unroll



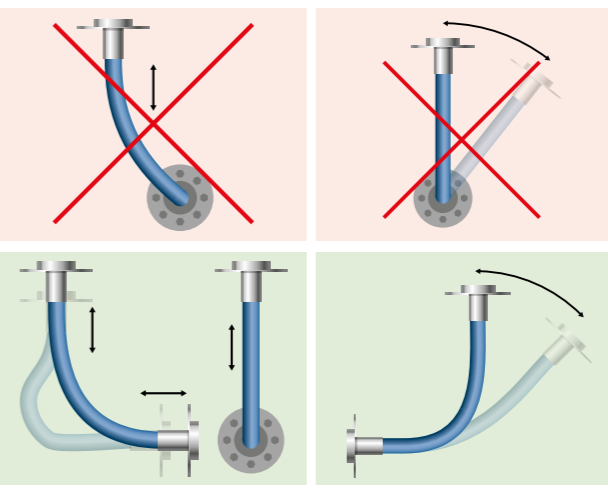
Do not use random or estimated lengths; always measure the correct length for the application.



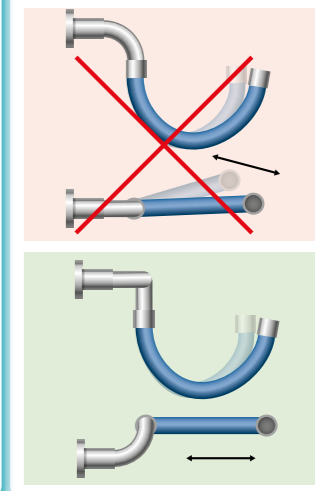
Assemble without twisting



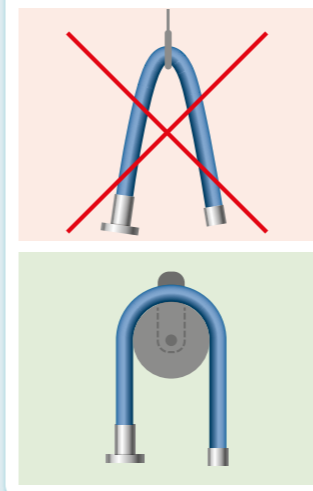
Do not allow twisting movements, but move in the required direction without wringing



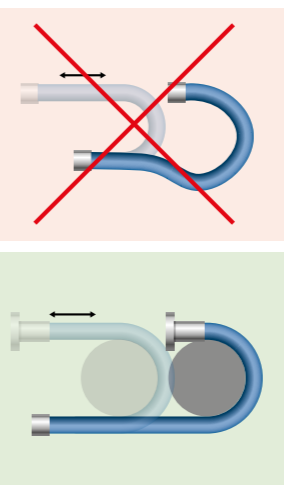
Do not move diagonally with respect to the use surface.



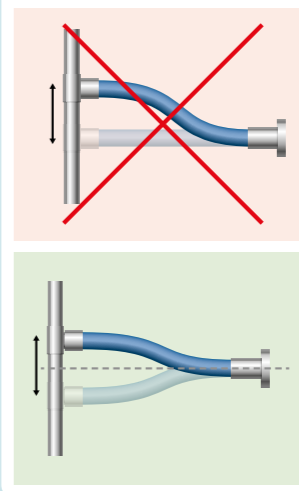
Do not bend too much; hang the hose on the appropriate support



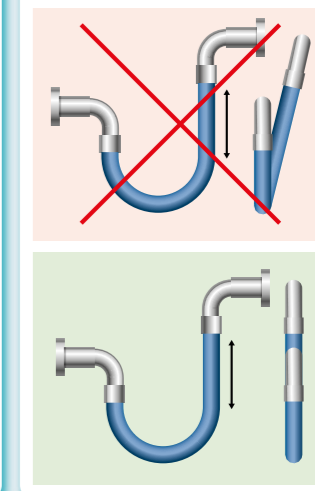
Do not let it collapse under its own weight, but use a support



Assemble at the center of the movements



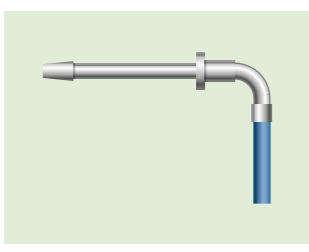
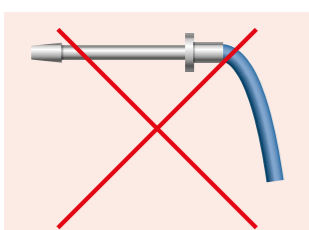
Do not assemble off-center



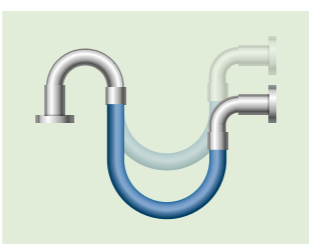
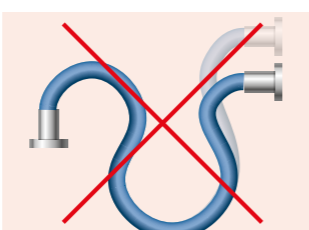
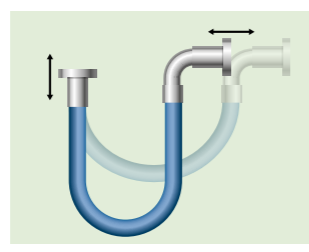
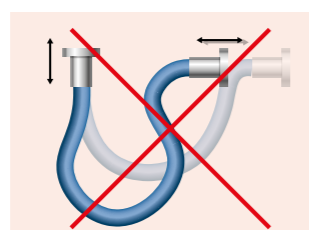


INSTRUCTIONS FOR ASSEMBLY & USE

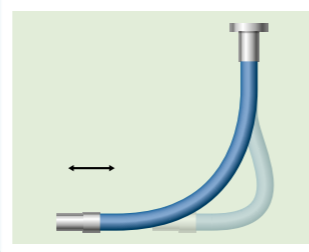
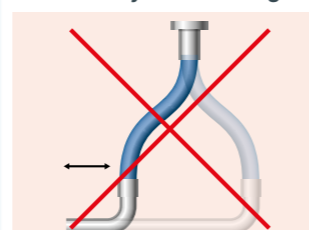
Do not bend too much at the end but use an elbow.



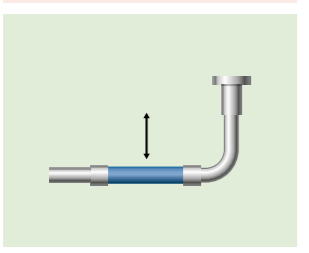
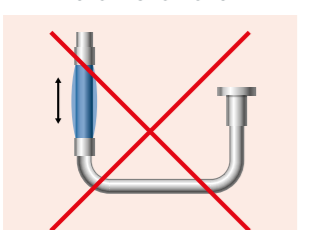
Do not bend too much at the end but lead the movements with the aid of elbows



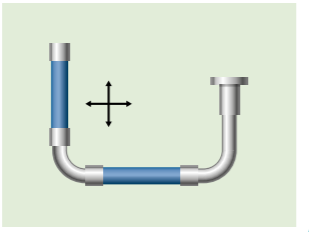
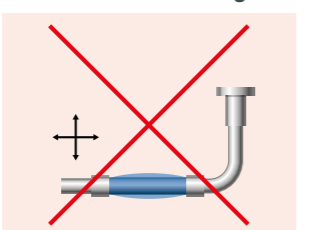
Do not allow too many lateral movements; foresee an assembly with 90° angles.



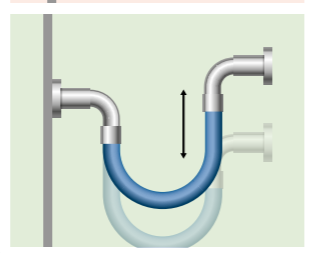
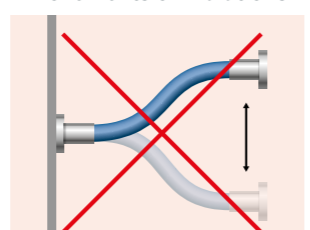
Assemble horizontally with respect to the direction of the movement



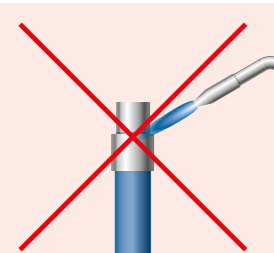
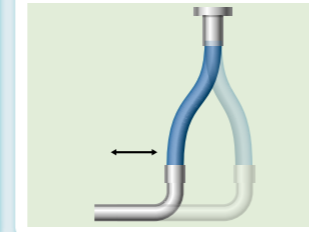
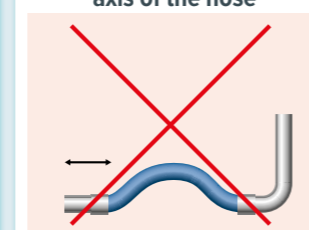
Do not allow a single hose to absorb movements with different directions; instead use the line of the angle.



Use a "U" shaped assembly in order to absorb movements or vibrations



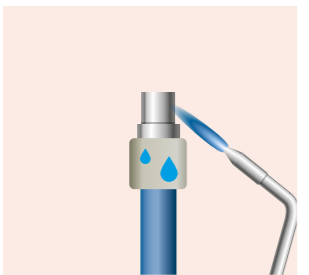
Do not allow axial movements; assemble perpendicularly to the axis of the hose



The fittings should be welded after the assembly only when there is no other choice.

In such a case, make sure that the hoses are made with high-temperature resistant materials.

Do not overheat the coupling too much, but cool down and keep away from the burner.



IMPORTANT NOTICE

This document reports only some of the most common errors and recommends the correct procedures for the assembly and use of our hoses.

For any other application that is not described in this document or for further information about our products, please contact Lantech at....

01484 423913

sales@lantechsolutions.co.uk

POLYMERS CHEMICAL RESISTANCE CHART *

A = GOOD RESISTANCE
B = FAIR RESISTANCE
C = POOR RESISTANCE
X = NOT RECOMMENDED
I = INSUFFICIENT INFORMATION

	NATURAL RUBBER	SBR	CHLOROPRENE	NITRILE	BUTYL	HYPALON®	EPDM	EPM	SILICONE	VITON®	CROSS-LINKED POLYETHYLENE	ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE	TEFLON®
	NR	SBR	CR	NBR	BIIR	CSM	EPDM	EPM	VMO	FKM	XLPE	UHMWPE	PTFE
Acetic acid, dilute, 10%	B	C	C	C	A	C	A	A	B	B	A	A	A
Acetic acid glacial	C	X	X	X	B	C	B	A	C	X	A	A	A
Acetic acid anhydride	C	C	B	B	B	A	I	B	I	X	A	A	A
Acetone	B	C	B	X	A	B	A	A	X	X	A	A	A
Acetylene	A	A	B	A	A	B	A	A	C	A	A	A	A
Air 68°F (20°C)	A	A	A	A	A	A	A	A	A	A	A	A	A
Air 150°F (65°C)	A	A	A	A	A	A	A	A	A	I	A	A	A
Aluminium chloride 150°F (65°C)	A	A	A	A	A	A	A	A	A	A	A	A	A
Aluminium fluoride 150°F (65°C)	A	A	A	A	A	A	A	A	B	I	A	A	A
Aluminium sulfate 150°F (65°C)	A	A	A	A	A	A	A	A	A	A	A	A	A
Alums 150°F (65°C)	A	A	A	A	A	A	A	A	A	I	A	A	A
Ammonia gas, anhydrous	X	X	X	X	X	X	X	X	X	X	X	X	X
Ammonia 10% water solution	B	B	B	A	A	A	A	A	A	A	A	A	A
Ammonia 30% water solution	B	B	B	A	A	B	A	A	C	A	A	A	A
Ammonium chloride	A	A	A	A	A	A	A	A	C	A	A	A	A
Ammonium hydroxide	C	B	B	B	A	A	A	A	C	B	A	A	A
Ammonium nitrate	A	A	A	A	A	A	A	A	A	A	A	A	A
Ammonium phosphate monobasic	A	A	A	A	A	A	A	A	A	A	A	A	A
Ammonium phosphate dibasic	A	A	A	A	A	A	A	A	A	A	A	A	A
Ammonium phosphate tribasic	A	A	A	A	A	A	A	A	A	A	A	A	A
Ammonium sulfate	A	A	A	A	A	A	A	A	A	A	A	A	A
Amyl acetate	B	X	X	X	B	X	A	B	X	X	A	A	A
Amyl alcohol	A	A	A	A	A	A	A	A	X	A	A	A	A
Aniline, Aniline oil	X	X	C	X	A	X	C	B	X	A	A	A	A
Aniline, dyes	B	B	B	X	A	B	C	A	X	B	A	A	A
Asphalt	X	X	B	B	X	B	X	X	I	A	A	A	A
Barium chloride 150°F (65°C)	A	A	A	A	A	A	A	A	A	A	A	A	A
Barium hydroxide 150°F (65°C)	A	A	A	A	A	A	A	A	A	A	A	A	A
Barium sulfide 150°F (65°C)	A	A	A	A	A	A	A	A	A	A	A	A	A
Beer	A	A	A	A	A	A	A	A	A	A	A	A	A
Beet sugar liquors	A	A	A	A	A	A	A	A	A	A	A	A	A
Benzene, Benzol	X	X	X	X	X	X	X	X	X	A	A	A	A
Benzene, petroleum ether	I	I	I	I	I	I	I	I	X	A	I	B	A
Benzene, petroleum naphtha	X	X	C	A	X	B	X	X	X	A	A	B	A
Black sulfate liquor	A	A	A	A	A	A	A	A	A	I	A	A	A
Blast furnace gas	C	C	A	C	C	C	C	C	A	A	A	A	A
Borax	A	A	A	A	A	A	A	A	B	A	A	A	A
Boric acid	A	A	A	A	A	A	A	A	A	A	A	A	A
Bromine	X	X	X	X	X	C	X	X	X	A	X	X	A
Butane	X	X	A	A	X	A	X	X	X	A	A	A	A
Butyl acetate	X	X	X	X	B	X	B	B	X	X	A	A	A
Butyl alcohol, Butanol	A	A	A	A	A	A	A	A	C	A	A	A	A
Calcium bisulfate	C	C	A	A	B	A	B	A	C	A	A	A	A
Calcium chloride	A	A	A	A	A	A	A	A	A	A	A	A	A

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However, must be used as a guidance only since it does not take in consideration all variable that may be encountered in actual use, such as and not limited to: temperature, concentration pressure, duration

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All application should always be tested: the compound should always be tested with the chemical it is going to handle.

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	NATURAL RUBBER	SBR	CHLOROPRENE	NITRILE	BUTYL	HYPALON®	EPDM	EPM	SILICONE	VITON®	CROSS-LINKED POLYETHYLENE	ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE	TEFLON®
	NR	SBR	CR	NBR	BIIR	CSM	EPDM	EPM	VMO	FKM	XLPE	UHMWPE	PTFE
Calcium hydroxide	A	A	A	A	A	A	A	A	A	A	A	A	A
Calcium hypochlorite	X	X	X	X	A	B	A	A	C	A	A	A	A
Caliche liquors	A	A	A	A	A	A	A	A	B	A	A	A	A
Cane sugar liquors	A	A	A	A	A	A	A	A	A	A	A	A	A
Carbolic acid, phenol	C	C	C	C	C	C	A	A	X	A	A	A	A
Carbon dioxide, dry-wet	A	A	A	A	A	A	A	A	A	A	A	A	A
Carbon disulfide	X	X	X	X	X	X	X	X	X	A	C	C	A
Carbon monoxide 140°F (60°C)	C	C	C	C	C	B	C	A	A	A	A	A	A
Carbon tetrachloride	X	X	X	C	X	X	X	X	X	A	A	C	A
Castor oil	A	A	A	A	A	A	A	A	A	A	A	A	A
Cellosolve acetate	B	B	X	X	A	I	A	A	X	X	A	A	A
CFC-12	X	X	A	A	B	I	B	C	I	C	I	I	A
China wood oil, tung oil	X	X	B	A	A	B	A	C	X	A	A	A	A
Chlorine, dry/wet	X	X	X	X	X	C	X	X	X	B	C	X	A
Chlorinated solvents	X	X	X	X	X	X	X	X	X	A	A	B	A
Chloroacetic acid	X	C	C	C	X	A	I	A	I	X	A	A	A
Chlorosulfonic acid	X	X	C	C	X	X	X	X	X	X	C	X	A
Chromic acid	X	X	X	X	C	A	I	I	C	A	A	C	A
Citric acid	A	A	A	B	A	A	A	A	A	A	A	A	A
Coke oven gas	X	X	X	X	X	A	I	I	B	A	A	X	A
Copper chloride 150°F (65°C)	C	A	B	A	A	B	A	A	A	A	A	A	A
Copper sulfate 150°F (65°C)	C	A	A	A	B	A	A	A	A	A	A	A	A
Corn oil	X	C	B	A	A	B	C	C	A	A	A	A	A
Cottonseed oil	X	C	B	A	A	B	C	C	A	A	A	A	A
Creosote, coal tar	X	X	B	A	X	B	X	X	C	A	A	A	A
Creosote, coal tar wood	X	X	B	A	X	I	X	X	X	A	A	A	A
Creosols, cresylic acid	C	X	X	C	C	B	X	X	I	A	A	B	A
Dichlorobenzene	X	X	X	X	X	X	X	X	X	A	X	C	A
Dichloroethylene	X	X	X	X	X	X	X	X	X	A	C	X	A
Diesel fuel	X	X	C	A	X	B	X	X	X	A	B	B	A
Diethanolamine 20%	C	X	I	I	A	X	A	A	X	X	A	A	A
Diethylamine	B	B	B	C	B	C	B	B	B	X	A	A	A
Diisopropylamine	B	I	I	B	I	C	I	I	I	I	A	A	A
Diethylphthalate	X	X	X	X	B	X	B	A	X	A	A	A	A
Ethers	X	X	X	X	X	X	C	B	X	X	A	B	A
Ethyl acetate	X	X	X	X	B	X	B	A	B	X	A	A	A
Ethyl alcohol	A	A	A	A	A	A	A	A	A	A	A	A	A
Ethyl cellulose	B	B	B	B	B	I	B	B	C	X	A	A	A
Ethyl chloride	X	X	X	X	B	X	C	C	C	A	A	C	A
Ethyl glycol	A	A	A	A	A	A	A	A	A	A	A	A	A
Ferric chloride 150°F (65°C)	A	A	A	A	A	A	A	A	A	A	A	A	A
Ferric sulfate 150°F (65°C)	A	A	A	A	A	A	A	A	B	A	A	A	A
Formaldehyde	B	B	B	C	A	A	A	A	B	X	A	A	A
Formic acid	A	A	C	B	A	A	A	A	C	X	A	A	A

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	NATURAL RUBBER	SBR	CHLOROPRENE	NITRILE	BUTYL	HYPALON®	EPDM	EPM	SILICONE	VITON®	CROSS-LINKED POLYETHYLENE	ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE	TEFLON®
	NR	SBR	CR	NBR	BIIR	CSM	EPDM	EPM	VMO	FKM	XLPE	UHMWPE	PTFE
Fuel oil	X	X	A	A	X	B	X	X	X	A	A	A	A
Furfural	X	C	C	X	A	B	C	B	X	X	A	I	A
Gasoline, unleaded	X	X	X	A	X	C	X	X	X	A	A	B	A
Gasoline + MTBE	X	X	X	A	X	C	X	X	X	A	A	B	A
Gasoline Hi Test + MTBE	X	X	X	A	X	C	X	X	X	A	A	B	A
Gelatin	A	A	A	A	A	A	A	A	A	A	A	A	A
Glucose	A	A	A	A	A	A	A	A	A	A	A	A	A
Glue	B	B	A	A	B	A	A	A	A	A	A	A	A
Glycerine, glycerol	A	A	A	A	A	A	A	A	A	A	A	A	A
Green sulfate liquor	A	A	A	A	A	A	A	A	A	A	A	A	A
HFC-134A	B	X	A	A	A	B	A	A	I	X	A	I	A
Hdraulic fluids: Petroleum	X	X	B	A	X	B	X	X	C	A	I	A	A
Hdraulic fluids: Phosphate ester alkyl	X	X	C	X	A	X	A	A	X	I	I	I	A
Hdraulic fluids: Phosphate ester aryl	X	X	X	X	C	X	C	C	X	I	I	I	A
Hdraulic fluids: Phosphate ester blends	X	X	X	X	X	X	C	C	X	A	I	I	A
Hdraulic fluids: Silicate ester	X	X	C	C	X	C	X	X	X	A	I	I	A
Hdraulic fluids: Water glycol	A	A	A	A	A	A	A	A	A	A	I	A	A
Hydrobromic acid	C	X	C	C	A	A	A	A	X	A	I	A	A
Hydrochloric acid	B	B	B	C	B	B	B	A	X	A	A	A	A
Hydrocyanic acid	B	B	C	B	C	A	C	B	B	A	A	A	A
Hydrofluoric acid	X	X	X	X	C	A	B	B	X	X	A	B	A
Hydrofluosilicic acid	A	B	B	B	A	I	A	A	I	A	I	A	A
Hydrogen gas 140°F (60°C)	B	A	A	A	A	I	A	A	C	A	A	A	A
Hydrogen peroxide	X	X	C	C	C	C	C	B	A	A	I	C	A
Hydrogen sulfide, dry	C	C	B	C	A	A	A	A	X	X	A	A	A
Hydrogen sulfide, wet	C	C	B	C	A	A	A	A	X	X	A	A	A
Isobutyl alcohol	A	A	A	B	A	A	A	A	A	A	A	A	A
Isopropyl alcohol	A	A	A	B	A	A	A	A	A	A	A	A	A
Isooctane	X	X	B	A	X	A	X	X	X	A	A	A	A
Kerosene	X	X	B	A	X	C	X	X	X	A	A	A	A
Lacquers	X	X	X	X	C	X	X	X	X	X	A	B	A
Lacquers solvents	X	X	X	X	C	X	X	X	X	X	A	B	A
Lactic acid	C	C	C	C	C	A	C	B	A	A	A	A	A
Linseed oil	C	C	B	A	A	A	A	B	A	A	A	A	A
Lubricating oil, crude	X	X	B	A	X	B	X	X	C	A	A	A	A
Lubricating oil, refined	X	X	B	A	X	B	X	X	C	A	A	A	A
Magnesium chloride 150°F (65°C)	A	A	A	A	A	A	A	A	A	A	A	A	A
Magnesium hydroxide 150°F (65°C)	A	B	B	B	A	A	A	A	B	A	A	A	A
Magnesium sulfate 150°F (65°C)	A	A	A	A	A	A	A	A	A	A	A	A	A
Mercuric chloride	B	B	C	B	A	A	A	A	A	A	A	A	A
Mercury	A	A	A	A	A	A	A	A	A	A	A	A	A
Methyl alcohol, methanol	A	A	A	A	A	A	A	A	A	B	A	A	A
Methyl chloride	X	X	X	X	C	X	X	C	X	B	C	C	A
Methyl ethyl ketone	X	X	X	X	B	X	A	A	X	X	A	A	A



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	NR	SBR	CR	NBR	BIIR	CSM	EPDM	EPM	VMO	FKM	XLPE	UHMWPE	PTFE
Methyl isopropyl ketone	X	X	X	X	B	X	C	C	C	X	A	A	A
Milk	A	A	A	A	A	A	A	A	A	A	A	A	A
MTBE	I	I	I	I	I	I	I	I	I	X	A	I	I
Mineral oils	X	X	B	A	X	B	X	X	A	A	A	A	A
Natural gas	C	C	A	A	X	A	X	X	C	A	A	A	A
Nickel chloride 150°F (65°C)	A	A	A	A	A	A	A	A	A	A	A	A	A
Nickel sulfate 150°F (65°C)	A	A	A	A	A	A	A	A	A	A	A	A	A
Nitric acid, crude	X	X	X	X	X	C	X	X	X	B	X	I	A
Nitric acid, diluted 10%	X	X	B	X	B	A	C	A	C	A	A	A	A
Nitric acid, concentrated 70%	X	X	X	X	C	C	X	C	X	B	C	X	A
Nitrobenzene	X	X	X	X	X	X	X	X	C	B	A	A	A
Oleic acid	X	X	C	C	B	B	B	C	X	B	A	A	A
Oleum	X	C	C	C	X	B	X	C	I	A	X	X	A
Oxalic acid	B	C	B	B	A	A	A	A	B	A	A	A	A
Oxygen	B	C	A	C	A	A	A	A	X	B	A	A	A
Palmitic acid	X	B	A	A	B	B	B	B	X	A	A	A	A
Perchloroethylene	X	X	X	C	X	X	X	X	C	A	C	C	A
Petroleum oils and crude 200°F (95°C)	X	X	B	A	X	C	X	X	X	B	C	X	A
Phosphoric acid, crude	C	C	C	C	C	A	B	A	C	A	A	A	A
Phosphoric acid, pure 45%	C	C	C	C	C	A	B	A	C	A	A	A	A
Picric acid, molten	C	C	C	C	C	I	I	I	X	A	C	X	A
Picric acid, water solution	A	C	B	B	A	A	I	I	I	A	A	A	A
Potassium chlorite	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium cyanide	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium hydroxide	B	B	C	X	A	A	A	A	C	X	A	A	A
Potassium sulfate	A	A	A	A	A	A	A	A	A	A	A	A	A
Propane	X	X	B	A	X	B	X	X	X	A	A	A	A
Sewage	C	C	B	A	C	A	C	C	B	A	A	A	A
Soap solution	A	A	B	A	A	A	A	A	A	A	A	A	A
Soda ash, sodium carbonate	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium bicarbonate, baking soda	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium bisulfate	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium chloride	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium cyanide	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium hydroxide TO 50% AT 140°F	B	B	B	B	A	B	A	A	A	A	A	A	A
Sodium hypochlorite	X	X	C	C	A	B	A	A	B	A	A	C	A
Sodium metaphosphate	A	A	C	A	A	B	A	A	A	A	A	A	A
Sodium nitrate	B	B	B	B	A	A	A	A	X	A	A	A	A
Sodium perborate	B	B	B	B	A	A	A	A	B	A	A	A	A
Sodium peroxide	B	B	B	B	A	A	A	A	C	A	A	C	A
Sodium phosphate, monobasic	A	B	B	B	A	A	A	A	X	A	A	A	A
Sodium phosphate, dibasic	A	B	B	B	A	A	A	A	X	A	A	A	A
Sodium phosphate, tribasic	A	B	B	B	A	A	A	A	X	A	A	A	A
Sodium silicate	A	A	A	A	A	A	A	A	A	A	A	A	A

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Sodium sulfate	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium sulfide	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium thiosulfate, "hypo"	A	A	A	A	A	A	A	A	I	A	A	A	A
Soybean oil	X	C	B	A	A	A	A	C	A	A	A	A	A
Stannic chloride	A	A	A	A	B	A	B	A	B	A	A	A	A
Steam 450°F (230°C)	X	X	X	X	B	X	B	B	I	X	X	X	A
Stearic acid	X	X	C	B	B	C	B	A	A	A	A	A	A
Sulfur	X	X	A	X	A	A	A	A	B	A	A	A	A
Sulfur chloride	X	X	C	C	X	A	X	X	C	A	A	I	A
Sulfur dioxide, dry	C	C	C	C	C	A	C	B	B	B	A	A	A
Sulfur trioxide, dry	X	C	C	C	C	B	C	B	B	A	X	X	A
Sulfuric acid, 10%	C	C	B	C	A	A	A	A	X	A	A	A	A
Sulfuric acid, 11% - 75%	X	X	X	X	B	A	C	A	X	A	A	A	A
Sulfuric acid, 76% - 95%	X	X	X	X	X	A	C	A	X	A	C	A	A
Sulfuric acid, fuming	X	X	X	X	X	X	X	X	X	A	X	X	A
Sulfurous acid	C	C	C	C	C	A	C	B	X	B	A	A	A
Tannic acid	A	C	A	C	A	A	A	A	B	A	A	A	A
Tar	X	X	C	C	X	C	X	X	B	A	X	I	A
Tartaric acid	A	C	C	C	B	A	B	B	A	A	A	A	A
Toluene, Toluol	X	X	X	X	X	X	X	X	X	A	C	C	A
Trichloroethylene	X	X	X	X	X	X	X	X	X	A	C	B	A
Turpentine	X	X	X	B	X	X	X	X	X	A	A	B	A
Urea, water solution	A	I	A	A	A	A	A	A	A	I	A	A	A
Vinegar	C	C	C	C	A	A	A	A	A	A	A	A	A
Vinyl acetate	X	X	X	X	A	X	B	A	X	X	I	A	A
Water, acid mine	A	A	B	A	A	A	A	A	A	A	A	A	A
Water, fresh	A	A	B	A	A	A	A	A	A	A	A	A	A
Water, distilled	A	A	B	A	A	A	A	A	A	A	A	A	A
Whiskey and wines	A	A	A	A	A	A	A	A	A	A	A	A	A
Xylene, xylol	X	X	X	X	X	X	X	X	X	A	C	C	A
Zinc chloride	A	A	A	A	A	A	A	A	A	A	A	A	A
Zinc sulfate	B	B	A	A	A	A	A	A	A	A	A	A	A
Calcium chloride	A	A	A	A	A	A	A	A	A	A	A	A	A

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