



Manufacturers of Flexible Hoses & Couplings

Leading Fluid Transfer Specialists to the UK's Manufacturing & Process Industries







Working with the Food, Pharmaceutical and Chemical Industries to develop solutions for your process requirements

Lantech Solutions Ltd has developed a solid reputation for the design, manufacture and supply of a comprehensive range of quality flexible hoses, couplings and allied products at competitive prices to the pharmaceutical, chemical, petrochemical, food and drink, textile and manufacturing process industries.

We work with our customers to identify and evaluate the options available using a given set of criteria, before manufacturing a quality hose solution using only industry standard, approved materials.

This is matched by our dedication to fulfil our customer requirements and an unbending commitment to deliver all of our products on time.

Our uniqueness is our ability to design, assemble and manufacture in our purpose built factory, where we personally ensure that all of our products meet the highest quality standards possible. Our strength is our combined technical knowledge and skills gained from years of experience in fluid transfer hose specification and manufacture.

Our aim is to provide a service second to none with the emphasis on customer satisfaction by supplying quality products at competitive prices.

Lee Lemon

Sales Director

Service Profile

From specification to on-site hose testing and maintenance, Lantech provides a one-stop hose service package, whatever industry you are in.

1. On-Site Advice & Consultancy

Helping you select the right hose solution. As a company Lantech invests in all areas of product innovation and is therefore equipped to be able to help you choose from the latest developments in fluid transfer technology.

2. Pre-Site Survey

Lantech will check the hose specifications with you, making sure that the hose that is specified will meet your exact requirements.

3. Installation Advice

With over thirty years of industry knowledge and experience, Lantech understands latest manufacturing and production processes and is therefore able to offer expert advice throughout the whole installation process.

4. On-Site Hose Testing & Maintenance

Industrial wear and tear takes its toll on all components contained with any production process. To avoid all the risks associated with downtime, why not consider our On-Site Hose Testing & Maintenance package, which involves a scheduled visit to your site to inspect and test your hoses with recommendations for further action.

Neil Harrower



PTFE Hose



SmoothFlex

Ultra hygienic low profiled PTFE lined suction and delivery hose

- Alternative to heavier convoluted products where application requires optimum flow, turbulence reduction and greater flexibility than traditional smooth bore products
- Excellent mechanical strength and vacuum resistant
- 'Self-cleaning' suitable for S.I.P./C.I.P
- Multi-tasking hose applications throughout the food/chemical/ pharmaceutical industries
- Stainless Steel or Polypropylene or PVDF (Kynar) braid
- Available in virgin or anti-static versions

Nomin ins	al Size mm		ВР	iteel Braid Virgin Code	Anti-static Code	WP	propyl BP 20°C	ene Braid Virgin Code	Anti-static Code	PVD WP bar 2	F Braid BP 20°C	Virgin Code	Anti-static Code
1/2	13	50	250	TWFB1012	TAWFB1012	10	40	TWFB6012	TAWFB6012	10	40	TWFB9012	TAWFB9012
5/8	16	50	250	TWFB1016	TAWFB1016	10	40	TWFB6016	TAWFB6016	10	40	TWFB9016	TAWFB9016
3/4	19	60	290	TWFB1020	TAWFB1020	10	40	TWFB6020	TAWFB6020	10	40	TWFB9020	TAWFB9020
1	25	40	210	TWFB1025	TAWFB1025	10	40	TWFB6025	TAWFB6025	10	40	TWFB9025	TAWFB9025
1 1/4	32	45	210	TWFB1032	TAWFB1032	10	40	TWFB6032	TAWFB6032	10	40	TWFB9032	TAWFB9032
1 1/2	40	40	175	TWFB1040	TAWFB1040	10	40	TWFB6040	TAWFB6040	10	40	TWFB9040	TAWFB9040
2	50	25	135	TWFB1050	TAWFB1050	10	40	TWFB6050	TAWFB6050	10	40	TWFB9050	TAWFB9050



EasyCrimp

General purpose delivery/light suction duty convoluted PTFE lined

- 'Self-cleaning' suitable for S.I.P./C.I.P
- Stainless Steel or Polypropylene braid
- Available in virgin or anti-static versions

		Stair	nless S	Steel Braid		Polypropylene Braid				PVDF Braid			
Nomir ins	nal Size mm	WP bar 2		Virgin Code	Anti-static Code	WP bar	BP 20°C	•	Anti-static Code	WP bar	BP 20°C	Virgin Code	Anti-static Code
1/4	6	172	517	TCB1E006	TCB1AE006	10	40	TCB6E006	TCB6AE006				
5/16	8	155	465	TCB1E008	TCB1AE008	10	40	TCB6E008	TCB6AE008				
3/8	10	138	414	TCB1E010	TCB1AE010	10	40	TCB6E010	TCB6AE010	10	40	TCB8E010	TCB8AE010
1/2	13	103	310	TCB1E012	TCB1AE012	10	40	TCB6E012	TCB6AE012				
5/8	16	83	248	TCB1E016	TCB1AE016	10	40	TCB6E016	TCB6AE016				
3/4	19	69	207	TCB1E020	TCB1AE020	10	40	TCB6E020	TCB6AE020				
7/8	22	57	172	TCB1E022	TCB1AE022	10	40	TCB6E022	TCB6AE022				
1	25	46	138	TCB1E025	TCB1AE025	10	40	TCB6E025	TCB6AE025				
1 1/4	32	34	103	TCB1E032	TCB1AE032	10	40	TCB6E032	TCB6AE032				
1 1/2	40	30	90	TCB1E040	TCB1AE040	10	40	TCB6E040	TCB6AE040				
2	50	23	69	TCB1E050	TCB1AE050	10	40	TCB6E050	TCB6AE050				



CoreFlex

Robust process convoluted PTFE lined suction and delivery hose

- Excellent mechanical strength and vacuum resistant
- 'Self-cleaning' suitable for S.I.P./C.I.P
- Multi-tasking hose applications throughout the food/chemical/ pharmaceutical industries
- Stainless Steel or Polypropylene or PVDF (Kynar) braid
- Available in virgin or anti-static versions

Nomin ins	al Size mm		ВР		Anti-static Code	WP	propyl BP 20°C	· y	Anti-static Code	WP	OF Braid BP 20°C	d Virgin Code	Anti-static Code
1/2	13	50	250	TMCFB1012	TAMCFB1012	10	40	TMCFB6012	TAMCFB6012	10	40	TMCFB9012	TAMCFB9012
5/8	16	35	170	TMCFB1016	TAMCFB1016	10	40	TMCFB6016	TAMCFB6016	10	40	TMCFB9016	TAMCFB9016
3/4	19	60	290	TMCFB1020	TAMCFB1020	10	40	TMCFB6020	TAMCFB6020	10	40	TMCFB9020	TAMCFB9020
1	25	40	210	TMCFB1025	TAMCFB1025	10	40	TMCFB6025	TAMCFB6025	10	40	TMCFB9025	TAMCFB9025
1 1/4	32	45	210		TAMCFB1032	10	40	TMCFB6032	TAMCFB6032	10	40	TMCFB9032	TAMCFB9032
1 1/2	40	40	175	TMCFB1040	TAMCFB1040	10	40	TMCFB6040	TAMCFB6040	10	40	TMCFB9040	TAMCFB9040
2	50	25	135	TMCFB1050	TAMCFB1050	10	40	TMCFB6050	TAMCFB6050	10	40	TMCFB9050	TAMCFB9050
2 1/2	65	14	60	TMCFB1065	TAMCFB1065	10	40	TMCFB6065	TAMCFB6065	10	40	TMCFB9065	TAMCFB9065
3	75	12	65	TMCFB108C	TAMCFB1080	10	40	TMCFB6080	TAMCFB6080	10	40	TMCFB9080	TAMCFB9080
4	100	10	40	TMCFB1100	TAMCFB1100			<u> </u>	[
6	150	5	25	TMCFB1150	TAMCFB1150			<u> </u>	[
8	200	5	25	TMCFB1200	TAMCFB1200	7		'	1				



For milk handling, tankers and processing.

Advantages

- Extremely flexible, no kinking
- Smooth seamless white tube that does not propagate bacterial growth and meets most European and USA regulations
- Unaffected by changes in temperature
- Resistant to cleaning with detergents or steam to max temp of 110°C
- Non-marking abrasion resistant cover
- Contains no Phthalate

Food and Drink Hose

Drink Hose TRELLEBORG ENGINEERED SYSTEMS

Features

Citerdial

Inner Tube: Food grade NR, white,

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 Bursting Pressure: 18 bar

Standard Approval: EU regulation no.

1935/2004 and 2023/2006

FDA regulation no. 21 CFR 177.2600

ID mm	OD mm	Working Pressure bar	Bursting Pressure bar	Max. Vacuum bar	Bending Radius mm
25.0 -0/+1	36.0 ±1.0	6	18	0.9	50
32.0 -0/+1	43.0 ±1.0	6	18	0.9	64
38.0 -0/+1	49.0 ±1.0	6	18	0.9	76
40.0 -0/+1	51.0 ±1.0	6	18	0.9	80
43.0 -0/+1	54.0 ±1.0	6	18	0.9	86
45.0 -0/+1	56.0 ±1.0	6	18	0.9	90
51.0 -0/+1	62.5 ±1.5	6	18	0.9	102
53.0 -0/+1	64.5 ±1.5	6	18	0.9	106
60.0 -0/+1	71.5 ±1.5	6	18	0.9	120
63.0 -0/+1	74.5 ±1.5	6	18	0.9	126
70.0 -0/+1	83.0 ±1.5	6	18	0.9	140
76.0 -0/+1	89.0 ±1.5	6	18	0.9	152
80.0 -0/+1	93.5 ±1.5	6	18	0.9	240
89.0 -0/+1	102.5 ±1.5	6	18	0.9	315
100.0 -0/+1	113.5 ±1.5	6	18	0.9	350
125.0 -0/+1	145.5 ±2.0	6	18	0.9	450
150.0 -0/+1	171.5 ± 2.0	6	18	0.9	530



Applications

For milk collection equipment.

Lactadial

Advantages

- Extremely flexible and light for ease of handling
- Recovers its shape despite accidental 'squeeze'
- Smooth seamless white tube that does not propagate bacterial growth and complies with the most stringent European and USA regulations
- Unaffected by changes in temperature
- Resistant to cleaning with detergents or steam to max temp of 110°C
- Non-marking abrasion resistant cover
- Contains no Phthalate

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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 **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

Features

FDA regulation no. 21 CFR 177.2600

ID mm	OD mm	Working Pressure bar	Bursting Pressure bar	Max. Vacuum bar	Bending Radius mm
51.0 ±1.0	64.5 ±1.5	6	18	0.7	150
63.0 ±0.7	76.5 ±1.5	6	18	0.7	200
76.0 ±0.8	91.5 ±1.5	6	18	0.7	250



Suction and discharge of liquid food such as milk, beer, oil, fat, wine, cider, fruit juice and alcohol up to 96%. Suction on unloading. Processing equipment, filling plants and liquid food tankers.

Advantages

- Extremely flexible, no kinking
- Smooth seamless white tube that does not propagate bacterial growth and meets most European and USA regulations
- Unaffected by changes in temperature
- Resistant to cleaning with detergents to max temp of 90°C or steam to max temp of 130°C
- Non-marking abrasion resistant cover
- Contains no Phthalate

Food and Drink Hose

Allkier

Features

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

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 and 2023/2006

FDA regulation no. 21 CFR 177.2600

ID mm	OD mm	Working Pressure bar	Bursting Pressure bar	Max. Vacuum bar	Bending Radius mm
25.0 -0/+1	37.0 ±1.0	10	30	0.9	50
32.0 -0/+1	44.0 ±1.0	10	30	0.9	65
38.0 -0/+1	50.0 ±1.0	10	30	0.9	75
43.0 -0/+1	55.0 ±1.0	10	30	0.9	110
45.0 -0/+1	57.0 ±1.0	10	30	0.9	115
50.0 -0/+1	62.0 ±1.5	10	30	0.9	125
50.0 -0/+1	65.0 ±1.5	10	30	0.9	125
53.0 -0/+1	65.0 ±1.5	10	30	0.9	135
60.0 -0/+1	73.0 ±1.5	10	30	0.9	150
63.0 -0/+1	76.0 ±1.5	10	30	0.9	160
70.0 -0/+1	84.5 ±1.5	10	30	0.9	210
75.0 -0/+1	89.5 ±1.5	10	30	0.9	225
75.0 -0/+1	91.0 ±1.5	10	30	0.9	225
89.0 -0/+1	104.5 ±1.5	10	30	0.9	320
100.0 -0/+1	115.5 ±1.5	10	30	0.9	500
125.0 -0/+1	145.5 ±2.0	10	30	0.9	700
150.0 -0/+1	171.5 ±2.0	10	30	0.9	800



Applications

High pressure discharge of liquid food such as milk, beer, oil, fat, wine, cider, fruit juice and alcohol up to 96%. Suction on unloading. Processing equipment, filling plants and liquid food tankers.

Allkier D

Advantages

- Memory recovers shape after accidental squeeze
- Smooth seamless white, food grade tube that does not propagate bacterial growth and meets most European and USA regulations
- Unaffected by changes in temperature
- Resistant to cleaning with detergents or steam to max temp of 130°C
- Non-marking abrasion resistant cover
- Contains no Phthalate



Features

Inner Tube: Food grade oil resistant

NBR, white, smooth

Reinforcement: Synthetic textile with embedded steel helix

illibedded steel lielix

Cover: Oil and weather resistant NBR/

PVC, blue

Temperature Range: -30°C to +100°C 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

ID mm	OD mm	Working Pressure bar	Bursting Pressure bar	Max. Vacuum bar	Bending Radius mm
32.0 -0/+1	44.0 ±1.5	15	40	0.7	220
38.0 -0/+1	51.0 ±1.5	15	40	0.7	265
50.0 -0/+1	66.0 ±1.5	15	40	0.7	300
63.0 -0/+1	79.0 ±1.5	15	40	0.7	450
75.0 -0/+1	91.0 ±1.5	15	40	0.7	525
100.0 -0/+1	117.0 ±1.5	15	40	0.7	700





Suction and discharge of liquid food such as milk, beer, oil, fat, wine, cider, fruit juice and alcohol up to 96%. Suction on unloading.

Food and Drink Hose

Trellvin

Advantages

- Extremely flexible, no kinking
- Smooth seamless white tube that does not propagate bacterial growth and meets most European and USA regulations
- Memory recovers shape after accidental squeeze
- Unaffected by changes in temperature
- Resistant to cleaning with detergents or steam to max temp of 130°C
- Non-marking abrasion resistant cover
- Contains no Phthalate

Features

Inner Tube: Food grade EPDM white,

smooth

Reinforcement: Synthetic textile with PET embedded 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

ID mm	OD mm	Working Pressure bar	Bursting Pressure bar	Max. Vacuum bar	Bending Radius mm
38.0 -0/+1	50.0 ±1.0	10	30	0.7	150
50.0 -0/+1	62.0 ±1.5	10	30	0.7	200
63.0 -0/+1	75.5 ±1.5	10	30	0.7	315
70.0 -0/+1	83.0 ±1.5	10	30	0.7	350
75.0 -0/+1	88.0 ±1.5	10	30	0.7	375



Applications

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.

Biovast

Advantages

- Extremely flexible
- Food grade quality white inner tube, oil resistant
- Excellent cover resistance to animal/vegetable grease
- Non-staining cover
- Contains no Phthalate



Features

Inner Tube: Food grade and oil resistant NBR, white, smooth Reinforcement: Synthetic textile Cover: Oil and weather resistant

NBR/ PVC, blue

Temperature Range: -20°C to

+100°C

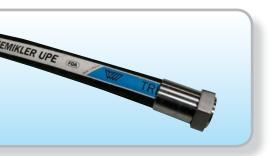
Sizes: From minimum ID of 13.0mm/ OD of 23.0mm to Maximum ID of

25.0mm/OD of 37.0mm

Working Pressure (vapour): 6 bar 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

ID mm	OD mm	Working Pressure Vapour bar	Bursting Pressure bar	Max. Vacuum bar	Bending Radius mm
13.0 ±0.8	23.0 ±0.9	6	20	60	65
16.0 ±1.0	26.0 ±1.0	6	20	60	85
19.0 ±1.0	31.0 ±1.0	6	20	60	100
25.0 ±1.0	37.0 ±1.0	6	20	60	125



Suction and discharge of most corrosive chemicals, acids, solvents (chlorinated or oxygenised), aromatic hydracarbons.

For unloading bays, mobile and fixed installations in chemical plants.

Chemical Hose

Chemikler UPE

Advantages

- Versatile hose for a wide range of chemicals
- Hose construction gives excellent mechanical strength
- Hose construction gives excellent bending radius
- Inner tube compliant with FDA
- Smooth inner tube for easier cleaning
- Excellent resistance to ageing, atmospheric conditions, ozone, abrasion and chemicals cover

Features

Inner Tube: UPE (ultra high molecular weight polyethylene), black, smooth

Reinforcement: Synthetic textile with steel embedded helix

Cover: Chemical and weather resistant EPDM, black

Temperature Range: -40°C to +100°C

Sizes: From minimum ID of 19.0mm/ OD of 31.0mm to Maximum ID of 100.0mm/OD of 116.0mm

Working Pressure: 16 bar Bursting Pressure: 64 bar

ID mm	Wall Thickness mm	OD mm	Working Pressure bar	Bursting Pressure bar	Max. Vacuum bar	Bending Radius mm
19.0 ±0.5	6.0	31.0 ±1.0	16	64	0.9	125
25.0 ±0.5	6.0	37.0 ±1.0	16	64	0.9	150
32.0 ±0.5	6.0	44.0 ±1.0	16	64	0.9	175
38.0 ±0.5	6.5	51.0 ±1.0	16	64	0.9	225
40.0 ±0.5	6.5	53.0 ±1.0	16	64	0.9	240
43.0 ±0.5	6.5	56.0 ±1.0	16	64	0.9	260
50.0 ±0.7	8.0	66.0 ±1.2	16	64	0.9	275
53.0 ±0.7	8.0	69.0 ±1.2	16	64	0.9	290
65.0 ±0.8	8.0	81.0 ±1.2	16	64	0.9	320
68.0 ±0.8	8.0	84.0 ±1.2	16	64	0.9	330
75.0 ±0.8	8.0	91.0 ±1.2	16	64	0.9	350
80.0 ±0.8	8.0	96.0 ±1.6	16	64	0.9	370
89.0 ±0.8	8.0	105.0 ±1.6	16	64	0.9	410
100.0 ±0.8	8.0	116.0 ±1.6	16	64	0.9	450
125.0 ±1.0	11.0	147.0 ±2.0	16	48	0.9	1000
150.0 ±1.0	12.0	174.0 ±2.0	16	48	0.9	1200
200.0 ±1.0	14.0	228.0 ±2.0	10	30	0.9	1600



Applications

Suction and discharge of moderately corrosive chemicals: ketones, alcohols and acids.

For unloading bays on road and rail tankers and cargo vessels.

Chemikler EPDM

Advantages

- Excellent resistance to corrosion and
- Very good mechanical strength
- Can be steam cleaned



Features

Inner Tube: Chemical resistant EPDM, black, smooth

Reinforcement: Synthetic textile with steel embedded helix

Cover: Chemical and weather resistant EPDM, black

Temperature Range: -40°C to +100°C Sizes: From minimum ID of 19.0mm/ OD of 31.0mm to Maximum ID of 100.0mm/OD of 116.0mm

Working Pressure: 16 bar Bursting Pressure: 64 bar

ID mm	Wall Thickness mm	OD mm	Working Pressure bar	Bursting Pressure bar	Max. Vacuum bar	Bending Radius mm
19.0 ±0.5	6.0	31.0 ±1.0	16	64	0.9	125
25.0 ±0.5	6.0	37.0 ±1.0	16	64	0.9	150
32.0 ±0.5	6.0	44.0 ±1.0	16	64	0.9	175
38.0 ±0.5	6.5	51.0 ±1.0	16	64	0.9	225
50.0 ±0.7	8.0	66.0 ±1.2	16	64	0.9	275
65.0 ±0.8	8.0	81.0 ±1.2	16	64	0.9	320
75.0 ±0.8	8.0	91.0 ±1.2	16	64	0.9	350
80.0 ±0.8	8.0	96.0 ±1.6	16	64	0.9	370
89.0 ±0.8	8.0	105.0 ±1.6	16	64	0.9	410
100.0 ±0.8	8.0	116.0 ±1.6	16	64	0.9	450





For unloading bays, mobile and fixed Installations in fine food, chemical, pharmaceutical and cosmetic industries

Suction and discharge of most corrosive chemicals, fuels, solvents, and oils.

Pharmaceutical Hose

Pharmakler FEP

Advantages

- Products are not spoilt (kept clear and pure)
- Inner tube compliant with FDA and USP Class VI
- Smooth inner tube for maximum flow and easier cleaning
- Hose construction gives excellent bending radius
- Non-staining cover with excellent resistance to ageing, atmospheric conditions, ozone, abrasion and chemicals
- OD sizes compatible with half-shell clamps

Features

Inner Tube: Chemical resistant FEP (Fluorinated Ethylene Propylene), white, smooth

Reinforcement: Synthetic textile with steel embedded helix

Cover: Chemical and weather resistant EPDM, green

Temperature Range: -40°C to +150°C **Sizes:** From minimum ID of 19.0mm/OD of 31.0mm to Maximum ID of 50.0mm/OD of 65.5mm

Working Pressure: 10 bar Bursting Pressure: 40 bar

ID mm	Wall Thickness mm	OD mm	Working Pressure bar	Bursting Pressure bar	Max. Vacuum bar	Bending Radius mm
19.0 ±0.5	6.00	31.0 ±1.0	10	40	0.9	200
25.0 ±0.5	6.00	37.0 ±1.0	10	40	0.9	225
32.0 ±0.5	6.00	44.0 ±1.0	10	40	0.9	275
38.0 ±0.5	6.50	51.0 ±1.0	10	40	0.9	350
50.0 ±0.7	7.75	65.5 ±1.2	10	40	0.9	400



Applications

Multi-purpose hose especially designed for petrol, oil and petrochemical products (with aromatic content up to 50%).

Trelloil D

Advantages

- Extremely flexible
- Good cold flexibility
- Excellent cover resistance to petroleum products and weather conditions
- Dissipation of static electricity ensured by contact of built-in wire with the coupling



Features

Inner Tube: Oil and petrol resistant

NBR, black, smooth

Reinforcement: Synthetic textile

Cover: Oil and weather resistant SBR/

NBR, black

Temperature Range: -30°C to +80°C Sizes: From minimum ID of 30.0mm/ OD of 41.0mm to Maximum ID of 100.0mm/OD of 115.0mm

Working Pressure: 10 bar Bursting Pressure: 40 bar

ID mm	Wall Thickness mm	OD mm	Working Pressure bar	Bursting Pressure bar	Bending Radius mm
30.0 ±0.5	5.5	41.0 ±1.0	10	40	240
32.0 ±0.5	5.5	43.0 ±1.0	10	40	250
35.0 ±0.5	5.5	46.0 ±1.0	10	40	280
38.0 ±0.7	6.0	50.0 ±1.0	10	40	300
40.0 ±0.7	7.0	54.0 ±1.0	10	40	320
45.0 ±0.7	7.0	59.0 ±1.0	10	40	360
50.0 ±0.7	7.0	64.0 ±1.0	10	40	400
60.0 ±0.8	7.0	74.0 ±1.5	10	40	480
63.0 ±0.8	7.0	77.0 ±1.5	10	40	500
70.0 ±0.8	7.5	85.0 ±1.5	10	40	560
75.0 ±0.8	7.5	90.0 ±1.5	10	40	600
80.0 ±1.0	7.5	95.0 ±1.5	10	40	640
85.0 ±1.0	7.5	100.0 ±1.5	10	40	680
89.0 ±1.0	8.0	105.0 ±1.5	10	40	710
100.0 ±1.0	7.5	115.0 ±1.5	10	40	800



Superheated steam applications for high pressure cleaning and sterilising, fire snuffing and pipe defrosting.

Fully compliant with EN ISO 6134:2005 Type 2 Class A for high pressure superheated steam applications.

Steam Hose

Red Steam Hose EN6134

Features

- Red rubber steam hose suitable for a working pressure of 18 bar relating to a temperature of 210°C
- Mandrel built and multi-wire strand reinforcement
- Features antistatic wires to enable conductivity when correctly assembled and pin pricked cover
- Temperature Range: -20°C to +210°C (pressure dependent)
- Standard Length: 40m
- Construction: Lining, EPDM rubber Cover, cloth finish red CR Rubber

I.D. mm	O.D.	Working Pressure bar	Working Pressure (PSI)	Burst Pressure bar	Burst Pressure (PSI)
13	25	8	2611	80	2610
19	33	18	261	180	2610
25	40	18	261	180	2610
32	48	18	261	180	2610
38	54	18	261	180	2610
51	69	18	261	180	2610
All pressure ratings guoted at ambient temperature					

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Applications

Hygienic Silicone hose is suitable for applications in the food, medical, pharmaceutical, beverage and dairy industries.

Manufactured from high purity platinum cured silicone, available as tubing, braid reinforced or with 4 ply polyester reinforcement and 316 L Stainless Steel helix and offers excellent flexibility and high standards of operational cleanliness.

Silicone Hose

Features

- Complies with FDA 21CFR177.2600 & USP and EP approved
- Extruded ultra smooth seamless liner
- Working temperature -60°C to 200°C
- 4 ply polyester reinforcement
- Working pressure, full vacuum up to 10 bar (up to 2" NB)
- Available in sizes ³/₈" 6"
- Platinum cured
- 316 SS Helix wire
- Textile reinforced and tube only Silicone hose also available

Nominal Bore	O.D. mm	Working Pressure bar	Minimum Bend Radius mm
1/2"	22	10	68
3/4"	29	10	101
1"	37	10	136
1 1/4"	43	10	178
11/2"	50	10	215
2"	64	10	440
2 1/2"	77	10	560
3"	89	10	705
4"	118	10	1280



Delivery of cooling liquids, chemical solutions, in the food and canning industry, compressed air.

A soft, flexible, PVC hose with polyester yarn reinforcement.

PVC Hose

Ragno CR (Food Quality)

Advantages

- Lightweight and very flexible.
- Resistant to weather conditions.

Features

Temperature Range: -5°C to +60°C

Sizes: ID from 6mm to 50mm; OD from 12mm to 62mm

Working Pressure: 40°C from 16 bar @6mm ID to 4 bar @50mm ID

I.D.	O.D.	Wo	rking Pressure bar	
mm	mm	20°C	40°C	60°C
6	12	20	16	12
8	14	18	13	9
10	16	18	13	9
13	19	12	9	6
16	22	10	7	4
19	26	10	7	4
25	33	8	5	3
32	42	8	4	2
38	48	8	4	2
50	60	8	4	2

Applications

This hose is suitable for high vacuum applications in food and non food industries. It is equally suited to dry or liquid transfer applications. It is suitable for beverages and alcohols that do not contain more than 28% alcohol. Vinegar, fruit juices, drinking water.

Armorvin HNA (Non-toxic)

A high tensile steel spring helix centrally positioned in a thick crystal clear, non-toxic, flexible PVC.

Advantages

- High impact resistance, can be knocked back into shape if crushed
- Good abrasion resistance, also excellent vacuum throughout the size range at ambient temperature
- Good chemical resistance
- Good weathering resistance
- Excellent transparency and therefore it is easy to see product being conveyed and locate blockages.
- Smooth internal bore and smooth outside cover.

Features

Temperature Range: -5°C to +65°C **Sizes:** ID from 10mm to 100mm

Working Pressure: from 7 bar @ 10mm to 2 bar @100mm ID

I.D. mm	O.D. mm	Working Pressure bar	Min Bend Radius mm
10	16	7	20
12	18	7	25
14	20	6	30
16	22	6	35
18	24	6	40
20	27	5	50
22	29	5	55
25	33	5	60
30	38	4.5	70
32	40	4.5	75
35	44	4	80
38	47	4	90
40	49	3	95
45	55	3	110
50	60	3	125
60	72	2.5	140
75	89	2	200
80	94	2	220
100	114	2	300



Can be used for road tanker loading and off-loading in plant applications where a robust flexible hose is required with a proven safety record.

Composite Hose

Rhinoflex

Rhinoflex composite hoses are designed for suction and discharge of a wide range of chemicals and acids, alkalis and much more.

Features

Construction: Polypropylene fabrics and films with a weather abrasion resistant outer cover reinforced with galvanised internal and external wires.

Description	Size	Max Pressure	Temperature
Blue Rhinoflex Oil Hose	1" to 4"	10.5 bar (150 PSI)	-30°C to +80°C
Black Rhinoflex Heavy Duty Oil Hose	1" to 4"	14.0 bar (200 PSI)	-30°C to +80°C
Grey Rhinoflex Chemical Hose	1" to 4"	14.0 bar (200 PSI)	-30°C to +80°C
Red Rhinoflex PTFE Hose	1" to 4"	14.0 bar (200 PSI)	-30°C to +115°C
Orange Rhinoflex Lightweight Fuel Hose	2 1/2" to 4"	10.5 bar (150 PSI)	-30°C to +80°C



Applications

This hose is suitable for conveying all types of liquid and gases with extreme low and high temperature requirements.

Corrugated Stainless Steel Braided Pressure Hose, to ISO 10380 specification.

Metallic Hose

Corrugated Flexible Metal

Advantages

- High physical strength
- A long usage life
- Good corrosion characteristics
- ISO 10380 means flexibility making it good for static installations or even where there is constant flexing in the application

Features

Temperature Range: To 600°C or in cryogenics applications, to -200°C

Sizes: ID from 6mm to 250mm

Working Pressure: @ 6mm ID to

9.6 bar @ 250mm ID

Nominal B ins	ore mm	O.D. mm	Max Working Pressure bar	Min Bend Radius mm
1/4"	6	15	140	100
³ / ₈ "	10	18	100	125
1/2"	12	23	90	125
⁵ / ₈ "	16	25.5	65	150
³ / ₄ ''	20	31.5	55	150
1"	25	37.5	48	175
1 ¹/₄′′	32	47	38	200
1 1/2"	40	56.5	34	250
2"	50	71	31	350
2 1/2"	65	86.5	27	500
3"	80	100	24	525
4''	100	130	15	625
5"	125	159	14	750
6"	150	183	9	900
8"	200	241	8	1020
10"	250	290	6	1220



Hygienic Hose

Tygon® Hose & Tubing

A broad range of flexible tubing products, each engineered to meet specific user needs, including resistance to chemicals, temperature fluctuations and abrasion, as well as high purity and long service life. If you are looking for tubing suitable for pumping or high grade Platinum cured silicone, this range has a product to suit your needs with validation packages available on most of the range.

Available in bore sizes 1/32" - 3".



Tygon® Hoses

A range of platinum-cured silicone hose assemblies manufactured to your requirements with a wide range of ends available. We can offer full traceability on our hose assemblies and full validation information on the range is available on request. This range includes braid reinforced options and we can offer wire reinforced hoses in our Purefit® range.



C-Flex® Tubing

C-Flex® is a unique, patented thermoplastic elastomer specifically designed to meet the critical demands of the medical, pharmaceutical, research, biotech and diagnostics industries. Its unique features include the ability to seal and weld the tubing, making Aseptic connection and disconnect a simple procedure using the appropriate machinery.

The product is also available as overmoulded manifolds and stoppers.

Now available in Braided version for higher pressures.



Sani-Tech® Hose & Tubing

If you are looking for high grade Platinum cured silicone, this range has a product to suit your needs with validation packages available on most of the range. The well established STHT-C range of tubing is a market leader used over many years by a wide range of customers. This range also includes a range of high pressure hoses with wire reinforced and braid reinforced options.

NEW Ultra version offers market leading low level TOC's.

Available in bore sizes from 0.012" - 4".





High flow through open valve



Dry Link Dry Disconnect Couplings

The ultimate dry disconnect designed for critical applications where any spillage must be avoided. Patented valve design gives a remarkable lightweight, low maintenance unit, while a mechanical interlock prevents accidental openings.

With very low pressure drop, ideal for fluid transfer where the prevention of spillage is all important.

Sizes

1" to 4" couplers and adaptors.

Materials Data

Wetted metal parts: All 316 Stainless Steel (standard)*, alloy 20 (Carpenter 20 CB-3) and Hastelloy C (Optional).

*Disc is Electroless Nickel Plated (ENP) to minimize wear and galling.

Main Seals

Choice of PTFE (Teflon®), Fluoroelastomer (Viton®), EPDM or Perfluoroelastomer (FFKM, Kalrez®, Chemraz®).

Maximum Working Pressure

1"	(DN 25) (14.3 bar)	210psi
11/2"	(DN 40) (14.3 bar)	210psi
2"	(DN 50) (10.3 bar)	150psi
3"	(DN 80) (8.3 bar)	120psi
4"	(DN 100) (8.3 bar)	120psi

Operating Temperature Range

PTFE	-7°C to 110°C
FKM, Viton & EPDM	-29°C to 110°C

Sanitary Couplings

Dry Link sanitary polished couplings in sizes $^{1}/_{2}$ " to 4" are the only true sanitary, high purity, drip free couplings available today because of their simple butterfly design.

The smooth mirror-polished bore has no voids, dead spaces, crevices or fillers that could trap bacteria.

Easily drainable and sanitised using steam or other methods, such as CIP, SIP, etc., our sanitary couplings are routinely specified in pharmaceutical, biotech, semiconductor, food and cosmetic industries, where ultra-cleanliness is a requirement.

Dry Link sanitary couplings are usually specified with wetted internal components polished to 20 RA microinch mirror finish, although we offer unpolished internals at more economic pricing.

There is a wide choice of sizes, body and seal materials, end connections and with full material certifications (MTR). FDA and USP certifications are also available. Other options are available, such as extra fine inside polish, electro polish and outside polish to matt finish.

We also offer keyed sanitary couplings for preventing accidental cross contamination of fluids.

- All Stainless Steel 316 construction
- Tri-Clover ends (also available in BW, flanged and NPT/BSPP ends)
- Smooth bore, no voids, crevices or fillers, polished 20 RA internal finish
- Choice of seals: PTFE, Viton, EPDM or Chemraz/Kalrez
- Optional seal material certifications: FDA or USP



Mann-Tek

Mann-Tek DDCouplings have a wide range of applications. They would include handling dangerous toxic, valuable or unpleasant fluids, aircraft refuelling and bottom loading road and rail tankers - Chemical/Pharmaceutical/ Waste Transfer/Marine Refuelling/Petrol Handling/Tanker Loading/Aviation Fuel

Materials

Aluminium, Brass, Stainless Steel, Hastelloy C and PEEK.

Sizes

The couplings are available in sizes from $^{3}/_{4}$ " (DN 20) to 6" (DN 150) with BSP, NPT and S60 x 6 threads

Seals

FPM (Viton®) EPDM, Chemraz®, Kalrez®, NBR (Nitrile), Other seals on request

Working Pressure

PN 10 - PN 25

Selectivity

To avoid product contamination caused by connecting a Hose unit to the wrong Tank, selective versions of the Hose and Tank units are available. Each unit has a number of selective positions, designated by a coded number part number according to the coupling size.

Interchangeability

Compatible with all other existing brands according to NATO STANAG 3756/ATOFINA SGM 2049.TUY.C/TEAM specifications.

Special Models

With integrated break-away, pressure relief valves, etc on request.



Banjo Dry-Mate

Design

Dry-Mate is designed for safe and easy spill free connections. The 'double ball' design allows maximum flow, while the cam lever style of connection is the most recognised coupling connector.

User Friendly

The handles interlock making it easy to identify which handle opens or closes first. No guessing is involved! The two Dry-Mate halves couple together with cam levers for positive engagement.

Features

- Available in Stainless Steel and Polypropylene
- Unrestricted flow
- Minimal fluid spillage
- Easy to use
- Economical
- Reduces risk of exposure
- Wide range of chemical resistance*
- Cannot be uncoupled in open position

*Not for low flash point liquids

Lockable Yoke to Prevent Accidental Spills

Dry-Mate uses a ball valve design giving an unrestricted path for fluid flow. The handles on each half interlock make it easy to identify which handle opens or closes first.

The cam lever style of connection is the most recognised type of connection available. This offers an easy, quick and positive connection of the coupling halves.

For safety the Dry-Mate has a number of features. Both handles have interlock buttons that prevent the ball valves from opening when the halves are separated. The Female part also has a locking yoke that locks the cam levers once the valve handle has been rotated to the open position.

The gasket, which seals between the two halves, is mechanically held in place to ensure that it remains located when the halves are disconnected.



71 Series

Snap-Tite 'Dry Break' **Quick Disconnects**

71 Series

A Flush Face Chemical Quick **Disconnect Coupling**

Flush valving virtually eliminates fluid loss and air inclusion.

Push to connect design.

Sizes: 1/8" to 2"

Working Pressure: 690 bar (10,000psi) Materials: Steel, Stainless Steel and high

pressure Stainless Steel

Option: Safety sleeve lock option



72 Series



75 Series

75 Series

The 75 Series is designed for high flow chemical transfer

thread connect design for fluid transfer, where connection under pressure to 207 bar (3,000psi) is required.

according to the chemicals being transferred.

Materials: Available in 316 Stainless

Working Pressure: 114 bar (1,650psi)

Sizes: 3/4" to 4"

Operating Temperature: Based on seal

selection

Snap-Tite 'Poppet Style' **Quick Disconnects**

72 Series

The 72 Series is designed to meet/ exceed ISO B requirements

The 72 Series features superior pressure and flow characteristics that identify it as the premier ISO industrial interchange. Applications include chemical transfer/injection and with special seal materials can also be used for food applications.

Materials: Available in 303 and 316 Stainless Steel construction

Seals: Viton, EPDM, Teflon or Kel-F Working Pressure: 520 bar (7,500psi)

Sizes: 1/8" to 1"

E and EA Series

The E and EA Series is designed for clean liner flow

The positive position of the valve aids in maintaining a steady even flow and is a versatile choice for many chemicals and petrochemical applications. Ideal for vacuum applications.

Materials: Available in Aluminium or 316 Stainless Steel

Working Pressure: 207 bar (3,000psi)

Sizes: 1/4" to 4"

Seals: Wide range of seals and special seals available based on application.



This very rugged series features an acme

A wide range of seal materials available

Steel construction

H Series

The H Series is a proven product in handling many gases and chemical fluids

The large selection of seal options, options for high pressure multiple cycle options and multiple connection options make this series very versatile.

Materials: Available in Aluminium or 316 Stainless Steel

Working Pressure: 690 bar (10,000psi)

Sizes: 1/8" to 4"

Seals: Wide range of seals and special seals available based on application.



E and A Series





Sanitary (Hygienic) Fittings

A complete range of fittings suitable for CIP Technology (clean in place)

Supplied in 316 Stainless Steel in order to meet the specifications of the food, brewing, dairy and pharmaceutical industries.

Ranging from traditional RJT/DIN/TRI-CLAMP fittings. Butterfly valves with a choice of seals according to temperature and pressure of the fluid material.

Other products include safety valves, non-return valves, flow control valves, plug cocks, sight glasses and ball valves all of Stainless Steel material.







Tri-Clover Clamp



Plug Cock



Non-return Valve







DIN



IDF



SMS



Triclover



Stainless Steel

Snaplock Cam and Groove Couplings

The tried and tested coupling with the high reputation of the 'Snaplock' brand name

Supplied in 316 Stainless Steel in order to meet the specifications of the food, brewing, dairy and pharmaceutical industries.

Applications

For pipe, hose, tubing and tanks conveying liquids, powders, vapours and gases, including cooling water, fuels, chemicals, cosmetics, foodstuffs, offshore, pumps, adhesives, dyes, pharmaceuticals, pellets and many more.

Features

- HEAT marked fully traceable
- \bullet 1/2" to 6" in size, BSP or NPT thread
- Working pressure to 18 bar (250psi)
- No tools required to connect
- 1/2" Couplers have 2 handles as standard
- Branded product made from our own tooling
- 3.1 Material Certification, if required



The patented locking cam arm guaranteed for life against breakage.

Automatic locking in a coupler that works just like a regular quick coupler.

Saflok Self-Locking Quick Coupler

Safety for personnel, the environment and reduced costs due to accidental disconnection

All the convenient ease and multiple uses of a standard cam and groove coupling with higher design and safety properties of a world patented brand named product.

Applications

Specifically for liquid chemicals and pharmaceuticals but also for cosmetics, foodstuffs, inks, adhesives, dyes, particularly where safety and costs are important.

Features

- Prevents accidental disconnection
- Conforms to DIN 2828 & A-A-59326 (Mil-C-27487) specifications
- Patented safety locking cam arm
- Can be fitted to any standard cam adaptor or coupler

Material: Stainless Steel with Buna Nitrile seals. Other seals are available on request

Sizes: 1/2" to 4", BSP thread

Available Options

Part B, Part C, Part D and Part DC.
Also available to DIN 2828 specification.

Benefits

Handles automatically lock into the body when closed.

Handles will stay CLOSED until YOU release them.

To open, pull the finger ring down and the handle will open in the normal way.

These couplings will assist in the prevention of spillage of expensive and/ or hazardous materials during product transfer processes.





Maxi-Dry Disconnect Coupler

Applications

Chemical transfer, blending operations, fuel and oil, tanker loading/unloading and general industrial.

Features

- Maxi-Dry coupler can be drained to minimize thermal expansion
- Male and Female cannot be disconnected under pressure
- All internal parts are Stainless Steel
- Minimal spillage
- Higher pressure rating than competition
- Interchangeable with competition
- Padlock feature
- Locking handle

Working Pressure

10 bar (147 PSI)

Materials

Aluminium, Stainless Steel, Exotic Alloys

Sizes

 $1^{1}/_{2}$ ", 2" and 3"

Threads

BSP and NPT

Spale

Buna, Viton, EPDM, Teflon, Chemraz and Kalrez









Safety Bumps & Safety Locks

Safety Bump

Use Safety Bump to make hose handling easier, help protect the hands of the people who handle your hoses and extend the life of your hose assembly by protecting the couplings on the end of your hose.

Features

- Available in antistatic and food grade.
- Sizes: 2", 3" & 4".
- Made from a glass filled composite with antistatic additive or a food grade certified composite.

- Black: For general industrial and hazardous chemical applications. Manufactured from glass filled composite with antistatic additive.
- White: For food grade applications. Manufactured from a food grade certified composite.
- Unlike traditional caps and plugs, Safety Bumps can be safely vented, eliminating the danger of injury from removing caps and plugs from a hose that has built up vapour pressure.

Please Note: The Food Grade Safety Bump is not suitable for potentially flammable applications



Safety Lock

Eliminates spills due to imported cam lock ears opening up during delivery. Safety Lock is an alternative choice to other forms in the market with its easy to install and easy to remove heavy duty clip, which clicks into place over the ears.

Nomina ins	al Size mm	Safety Locks Code
2	50	SBL200
3	75	SBL300
4	100	SBL400

Other Fittings



Clips & Clamps

A wide selection of clips and clamps are available, including worm drive, bolted clamps, air, water and steam clamps, and band strapping systems, which are available in Stainless Steel, Mild Steel or Malleable Steel.



Coupling - Other

LANTECH can supply many other styles of couplings, which include: Storz, Unicone, Bauer, Q-type, Guillemin, Tank Wagon, steam, air and water couplings, BSP & URT lug fittings and instantaneous fire couplings. From Stainless Steel, Brass, Aluminium, Polypropylene and Mild Steel.



Washdown Equipment

LANTECH can offer a selection of washdown equipment, which includes, washdown hose and assemblies, hose reels, washdown guns and lances and hot water mixer valves.



Coupling - IBC **Fittings**

LANTECH's range of polypropylene IBC fittings are designed to enable the safe and easy off loading of IBCs. Fittings are available in the three common buttress sizes of S60 x 6, S92 x 4 and S100 x 8.

LANTECH's IBC fittings can quickly and easily convert your IBC outlet to a cam and groove, BSP or hose tail connection.

In Summary

HOSES
Hygienic
Stainless Steel
Silicone
PVC, Ducting and Nylon
PTFE
Composite
General Industrial





HOSES - PTFE

LANTECH's superb range of PTFE flexible hoses can be offered as either smooth 1/4" NB to 1" NB, or convoluted bores, 1/4" NB to 6" NB.

A wide range of materials and end fittings are available, which include BSP, NPT, flanged and hygienic styles, many having the facility to be PTFE lined.

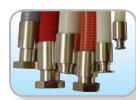
LANTECH can also offer steam and electrically traced heated hoses, where a constant product temperature needs to be maintained.



HOSES - STAINLESS STEEL

LANTECH's versatile Stainless Steel hose assemblies are designed to withstand a wide range of temperatures and pressures, offer excellent chemical resistance and good mechanical flexibility.

A wide range of materials and end fittings are available, which include BSP, NPT, flanged and hygienic styles.



HOSES - HYGIENIC

LANTECH design and manufacture a range of hygienic hoses in materials, which are FDA and BGA approved and meet Health & Safety Standards, for use in the food and beverage and pharmaceutical industries.

We offer hygienically swaged and pressure tested hose assemblies with various standard hygienic fittings: RJT, IDF, DIN 11851, Triclamp and SMS amongst others, as well as customer specific designs.



HOSES - SILICONE

LANTECH's broad range of FDA approved silicone hoses are available in tube only, textile and wire reinforced versions as standard, for use typically in pharmaceutical, hygienic and automotive applications. Special shapes and styles can be designed and manufactured to suit customer requirements.

A range of materials and end fittings are available which include, RJT, IDF, DIN 11851, Triclamp, SMS, BSP, flanges etc.



HOSES - COMPOSITE

LANTECH's composite style hose assemblies are available in Polypropylene or PTFE lined versions. This lightweight and flexible style of hose will handle a wide range of chemicals and suit most transfer applications.

A range of materials and end fittings are available, which include BSP, flanges and cam couplings as standard.



HOSE - PVC, DUCTING & NYLON

LANTECH's extensive range of PVC hose, ducting and nylon tubing is suitable for a large range of applications in many industries, including air, water, chemical, food and beverage, pharmaceutical and plastics.



HOSES - INDUSTRIAL

LANTECH's robust industrial rubber hoses are suitable for general industrial applications, including air, water, steam, chemicals, oils, fuels and many other liquids and gases. A range of materials and end fittings are available, which include BSP, flanges, cam and groove and many more.





Our aim is to offer the right products to support your requirements and provide total satisfaction

Fluid Transfer Solutions





Call us to discuss your requirements now

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