

Fluid transfer solutions

Our hose assemblies solutions for food industry **www.trelleborg.com/fluidhandling**



TRELLEBORG GROUP LEADER IN POLYMER SOLUTIONS

Trelleborg is a world leader in engineered polymer solutions that seal, damp and protect critical applications in demanding environments. Its innovative solutions accelerate performance for customers in a sustainable way. In 2022, the Trelleborg Group had annual sales of approximately SEK 30 billion in around 40 countries.

The Group comprises two business areas: Trelleborg Industrial Solutions and Trelleborg Sealing Solutions. The Trelleborg share has been listed on the Stock Exchange since 1964 and is listed on Nasdaq Stockholm, Large Cap. www.trelleborg.com

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Trelleborg Sealing Solutions

TRELLEBORG FLUID HANDLING SOLUTIONS

























We Protect the Essential, Innovate for Tomorrow.

At Trelleborg Fluid Handling Solutions, we champion the protection of what's crucial to you - from ensuring the purity of the food on your table to maintaining the environmental integrity of our oceans. Our commitment extends beyond today, prepaaring for the challenges of tomorrow with innovative, reliable, and sustainable solutions that safeguard people, assets, and the environment.

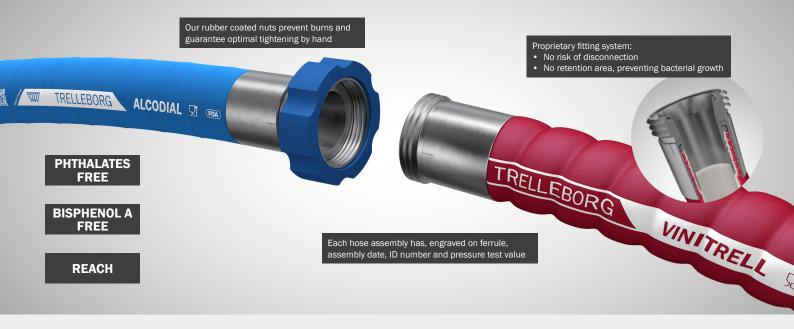
Your Trusted Partner in Fluid Management.

Built on over 100 years of engineering expertise, Trelleborg Fluid Handling Solutions transcends traditional fluid management.

We're not just about engineering; we're about redefining excellence with precision and care. Our pioneering solutions enhance the fluid transfer process, setting new industry benchmarks for safety, efficiency, and sustainability.

We offer reliable Fluid Handling Solutions.

We engineer the future with top-tier hoses that guarantee a smooth, leak-free flow, increase workplace safety and embody environmental stewardship with sustainable, waste-minimizing designs. We are Trelleborg Fluid Handling Solutions — Your trusted partner in Fluid Handling Solutions.



Before first use, you should proceed as follows in order to prevent any alteration of your fluid.

- Fill hose with hot water (70°C to 80°C).
- Keep water inside for minimum 2 hours.
- Then, clean hose using any of the following cleaning processes which should prevent early ageing of your hoses.

△ ADVICE FOR CLEANING PROCESSES

- These recommendations are based on maximum of 2 cycles a day (with maximum 15 minutes in total for the chemical cleanings).
- Every cleaning cycle must be immediately followed by a complete rinse.
- For any other chemical or mix of chemicals, concentration, duration, temperature and frequency, please contact us to select the best hose for your application.

TRELLEBORG	Max duration in total	CITERDIAL LACTADIAL - ALCODIAL	SUPERVRAC AL EC TRELLVAC AL EC	ALIKLER D ALIKLER G2 - BIOVAST BIOCLEAN - KLENET	BEERDIAL - VINITRELL G2 MILLESIME TRELLVIN - BERGALAV MULTIDIAL UPE FOOD 10 HOT EU				
Hot water	max 30 minutes	• max 90	D°C	• max 95°C					
Steam (open end circuit)	max 10 or 30 minutes	max 110 °C during max 10 minutes	• max	130°C during max 30 minutes					
Nitric acid		• 0.1% at max 85 °C • 3% at room temperature							
Phosphoric acid			1% at max 85°C3% at room temperature						
Chlorinated products (hydrochloric acid, sodium hypochlorite)	max 15		• 1% at max 70°C						
Sodium hydroxide	minutes	2% at max 80°C5% at room temp.	2% at max 65% at room	2% at max 80°C5% at room temp.					
Hydrogen peroxide		• 3%		1.5% at max 85°C3% at room temp.					
Peracetic acid		0.5% at room temp.	• 1% at room	• 1% at max 50°C					

△ REGULAR CHECKS	It is recommended to carry out regular checks on the hose (cover and tube) to make sure it is still safe of use as its original properties will eventually alter upon usage.
△ STORAGE	Keep away from (sun) light and heat. Only use pierced plugs when needed.
△ STAGNATION	Prohibited except with ALCODIAL or MULTIDIAL UPE, for limited duration.
O BE CAREFUL	Do not use high pressure cleaning systems to wash inside the hose.

REGULATIONS AND STANDARDS

Compounds and hoses are all complying with latest regulations:

- European regulations 1935/2004 and 2023/2006; 10/2011 for ALCODIAL and MULTIDIAL UPE.
- France: order of 5/8/2020;
- Germany: BfR recommendation XXI when applicable;
- USA: FDA 21 CFR 177.2600 and CFR 177.1520 for ALCODIAL and MULTIDIAL UPE.







Made in France





SAFEFLOW®

The future of your fluid transfer management

The answer of your Food Defense issues

The promise of improve security, efficiency, and traceability of your fluid transfer.

A solution that addresses the main challenges of our industry.

DETECTION SOLUTION

A coupling connection integrating and RFID chip associated with a sensor, in other words a reader head, makes it possible to detect, in real time, wether your fitting is tight and waterlight.



CONNECTION SOLUTION

The detection solution is now connected to Master IO Link with an industrial controller allowing generate intelligence and thus optimize traceability, monitoring and reliability of your flows and equipment.

A revolution in the world of industrial hoses.



Hygiene Traceability Reliability



HYGIENE

Trust Trelleborg for hoses and assemblies engineered with hygiene as a top priority. Our smooth inner tube resists standard cleaning methods, while our unique coupling system eliminates bacterial growth.

Crafted from food-grade compounds that meet the highest safety standards, our products are phthalate and Bisphenol A-free. Choose from our non-marking red or blue covers to keep your floors spotless.



RELIABILITY AND SAFETY

Our flexible yet robust rubber material absorbs shock and adapts seamlessly to temperature changes, maintaining flexibility and pressure resistance even in low temps. Our crimping coupling systems fit most common fittings, preventing bacterial growth and disconnections. Plus, our rubber-coated nuts ensure safe handling and optimal tightening.



TRACEABILITY

Every Trelleborg hose features an embossed tape indicating the production week, year, and batch number for easy traceability. Each assembly is also marked with an engraved ferrule, detailing the assembly date, identification number, and pressure test value.

TYPES OF ELASTOMERS

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NR	Natural rubber				
NBR	Nitrile rubber				
SBR	Styrene Butadiene rubber				
EPDM	Ethylene Propylene rubber				
UPE	Ultra High Molecular Weight Polyethylene				
Special Polymer	Special Polymer				

LIQUID FOODSTUFFS

TRELLEBORG RANGE FOR FOOT TRANSFERS IN PROCESS/PACKAGING	DD INDUSTRY /UNLOADING OPERATIONS/MILK COLLECTION	WP (bar)	Vacuum (bar)	Temp. (°C)	Inner tube	ID (mm)
• High flexibility • Optimum organoleptic neutrality • High temperature	TRELLEBORG BEERDIAL 7 @	15	0.9	+ 120	Special Polymer	25-100
VINITRELL G2 SLIDING • Alcohol up to 96% • Excellent flexibility	TRELLEBORG VINITRELL G2 2 PM	10	0.9	+ 120	Special Polymer	38-75
Optimum organoleptic neutralitySliding coverHigh temperature		6	0.9	+ 120	Special Polymer	100-150
CITERDIAL FLEXIBLE • Unrivalled flexibility	TRELLEBORG CITERDIAL 97 (50)	10	0.9	+ 80	NR	25-150
• 20% lighter than CITERDIAL	** TRELLEBORG LACTADIAL TO THE TREE CONTROL TO	10	0.7	+ 80	NR	51-80
• Accept temporary alcohol stagnation	TRELLEBORG ALCODIAL TO THE	10	0.9	+80	UPE	25-76
ALIKLER G2 FATTY FOODSTUFFS • Robust	TRELLEBORG ALIKLER Q Q PR	10	0.9	+ 100	NBR	25-150
For higher pressure (15 bar) Will recover shape after accidental squeeze	TRELLEBORG ALIKLER D 7 mm	15	0.7	+ 100	NBR	32-100
MULTIDIAL UPE MULTI PURPOSE NEUTRAL • Excellent chemical resistance	TRELLEBORG MULTIDIAL UPE & 600	10	0.9	+ 100	UPE	25-100
• Cover has outstanding resistance to ageing	e 140°C / ™ TRELLEBORG MILLESIME 只⊞	10	0.9	+ 100	EPDM	25-150
• Will recover its shape after accidental squeeze	TRELLEBORG TRELLVIN OF THE	10	0.7	+ 100	EPDM	38-75















WHETHER YOU NEED TO TRANSFER SUGAR, MILK POWDER, FLOUR, ... TRELLEBORG HAS A HOSE THAT CAN MEET YOUR DEMANDS AND REQUIREMENTS

TRELLEBORG RANGE FOR FOOD INDUSTRY UNLOADING/TRANSFER OPERATIONS OF SOLID FOODSTUFFS		WP (bar)	Vacuum (bar)	Temp. (°C)	Inner tube	ID (mm)
SUPERVRAC AL EC/UNLOADING CONDUCTIVE TUBE • Resistant to abrasion, light and flexible, can be rolled flat	TRELLEBORG / SUPERVRAC AL EC 🖫 📼	7	-	+ 80	NBR	75-125
TRELLVAC AL EC/SUCTION CONDUCTIVE TUBE • Resistant to abrasion, easy to handle	TRELLEBORG 4 TRELLVAC ALEC ST (III)	5	0.9	+ 80	NBR	51-150
PERFORMER AL EC/SUCTION CONDUCTIVE TUBE • Resistant to abrasion, long lifespan	TRELLEBORG 4 PERFORMER ALEC TO	10	0.9	+ 80	NBR	50-150
SUPERVRAC AL EC TRELLVAC AL EC PERFORMER AL EC ATEX	Checked and approved by INERIS (French notified body) for use in any ATEX areas				ATEX	Ex













JTS ferrule GUILLEMIN 1/2 syn

STORZ

Safety clamp

BULK ferrule

BLOC-END



TRELLEBORG COMPLETE RANGE FOR WASH DOWN AND STEAM CLEANING ALSO FOR TRANSFER OPERATIONS		WP (bar)	Vacuum (bar)	Temp. (°C)	Inner tube	ID (mm)
KLENET WATERStandard water wash downNot recommended with washing gun	KLENET - 171 - WP 10 BAR 95°C - Made in France	10	-	+ 95	NBR	13-25
• Very good hose for reels • Occasional steam, max. 160°C	BERGALAY - (2 - (20) - WP 10 BAR STEAM / VAPEUR 160 °C - Made in France	10	-	+ 160	EPDM	10-25
Very robust Oil and fats resistant Water up to 20 bar/100°C Steam up to 6 bar/165°C	BONAST OF CED CETTERD WP 20 BAR STEAM/NAPEUR 165°C I 6 BAR I Mode in France BONAST OF CED CETTERD WP 20 BAR STEAM/NAPEUR 165°C I 6 BAR I Mode in France	20	-	+ 100	NBR	13-25
BIOCLEAN HIGH PRESSURE • For high pressures (60 bar/100°C)	ALEBORIG BIOCLEAN-11-WP 60 BAR 100°C-Made in France	60	-	+ 100	NBR	8-16



TRELLEBORG COMPLEMENTARY RANGE FOR HIGH PRESSURE JETTING		WP	Vacuum	Temp.	Inner	ID
		(bar)	(bar)	(°C)	tube	(mm)
TRELLIET 681 AP VERY HIGH PRESSURE • For very high pressures (up to 200 bar/120°C) • Kink resistant	TRELLET G81 -3) Antimicrobial princeton. NO 13 - 12" - WP 200 BAR / 2900 PSI - MAX 120"C - Made in France	200	-	+ 120	NBR SBR	10-13













M22 nipple with nut

D10/11 swiveling nipple for gun

Rubberized handle protection

Nipple M22 male/male



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WWW.TRELLEBORG.COM









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