



Fluid Transfer Solutions Food Industry

Food Industry
Fluid Transfer Solutions
www.trelleborg.com/industrialhose

TRELLEBORG FLUID HANDLING SOLUTIONS

Product name

WP (bar) Vacuum (bar) Temp. (°C) Inner tube ID (mm)

Transfers in process/Packaging/Unloading operations/Milk collection

CITERDIAL FLEXIBLE

- ▶ Highly flexible
- ▶ A class of its own



6 0.9 + 80 °C NR* 25 to 150

LACTADIAL LIGHT

- ▶ 20% lighter than CITERDIAL



6 0.7 + 80 °C NR* 51 to 76

ALCODIAL ALCOHOL

- ▶ Accept temporary alcohol stagnation



10 0.9 + 80 °C UPE* 25 to 76

ALIKLER G2 FATTY FOODSTUFFS

- ▶ Robust



10 0.9 + 100 °C NBR* 25 to 150

ALIKLER D FATTY FOODSTUFFS

- ▶ For higher pressure (15 bar)
- ▶ Will recover its shape after accidental squeeze



15 0.7 + 100 °C NBR* 32 to 100

MILLESIME TEMPERATURE

- ▶ Cover has outstanding resistance to ageing



10 0.9 + 100 °C EPDM* 25 to 150

TRELLVIN LIGHT

- ▶ Will recover its shape after accidental squeeze



10 0.7 + 100 °C EPDM* 38 to 75

VINITRELL SLICKING

- ▶ Slick cover



10 0.9 + 80 °C NR* 38 to 75

Unloading operations of solid foodstuffs

SUPERVRAC AL EC/UNLOADING CONDUCTIVE TUBE

- ▶ Resistant to abrasion, light and flexible, can be rolled flat



7 - + 80 °C NBR* 75 to 125

TRELLVAC AL EC/SUCTION CONDUCTIVE TUBE

- ▶ Resistant to abrasion, easy to handle



5 0.9 + 80 °C NBR* 51 to 150

Food industry cleaning/High pressure cleaning/Transfers in process

KLENET WATER

- ▶ Standard water wash down



10 - + 95 °C NBR* 13 to 25

BERGALAV HOT WATER

- ▶ Very good hose for reels
- ▶ Occasional steam, max. 160 °C



10 - + 160 °C EPDM* 10 to 25

BIOVAST STEAM

- ▶ Very robust
- ▶ Oil and fats resistant
- ▶ Water up to 20 bar/100 °C
- ▶ Steam up to 6 bar/165 °C



20 - + 100 °C NBR* 13 à 25

BIOCLEAR HIGH PRESSURE

- ▶ For high pressures (60 bar/100 °C)



60 - + 100 °C NBR* 8 to 16

TRELLJET 681 Antimicrobial Protection HIGH PRESSURE

- ▶ For very high pressures (up to 200 bar/120 °C)
- ▶ Kink resistant



200 - + 120 °C NBR/SBR* 10 to 13

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

Cleaning

Very flexible for very high pressure jetting



High pressure

TRELLJET 681 *Antimicrobial Protection*

- ▶ Antimicrobial cover/Oils and fats resistant
- WP: 400 bar

BIOCLEAN

- ▶ White tube
- Oils and fats resistant
- WP: 60 bar



BSP
cone 60°



M22
Nipple with nut



D10/11
Swivelling nipple
for gun



Rubberized handle
protection



Nipple M22
Male/Male



Cleaning

Complete range for wash down and steam cleaning

KLENET

- ▶ Oils and fats resistant
- WP: 10 bar

BERGALAV

- ▶ Can be used with steam up to 160 °C
- WP: 10 bar (100 °C)

BIOVAST

- ▶ Steam (6 bar/165 °C)
- WP: 20 bar (100 °C)
- Oils and fats resistant



Female BSP



Male BSP



Female BSP



Anti-kinking spring
and swivel coupling



Spray

Transfers in process/Packaging

Easy, reliable and safe, resistant



ALIKLER G2

- ▶ Oils and fats
- WP: 10 bar

ALIKLER D

- ▶ Oils and fats
- WP: 15 bar

VINITRELL

- ▶ Light/slicking
- WP: 10 bar

TRELLVIN

- ▶ Will recover its shape after accidental squeeze
- WP: 10 bar

MILLESIME

- ▶ Temperature resistant
- WP: 10 bar

CITERDIAL

- ▶ Very flexible
- WP: 6 bar

ALCODIAL

- ▶ Alcohols
- WP: 10 bar



Viewer



DIN



SMS



MACON



CLAMP



Rubber coated nut

Milk collection

Light and flexible for comfortable handling

LACTADIAL

- ▶ Light and flexible
- WP: 6 bar

CITERDIAL

- ▶ Very flexible
- WP: 6 bar





Solid foodstuffs

Easy to handle with outstanding abrasion resistance of tube and cover

Unloading operations

SUPERVRAC AL EC

► Conductive tube

WP: 7 bar



GUILLEMIN 1/2 sym.



STORZ



Circlip



SMS



SUPERVRAC AL EC and TRELLVAC AL EC
are checked and approved by INERIS
(French notified body)
for use in any ATEX areas.

- Long lifespan
- Resistant to abrasion
- No risk of electrical breakdown



Transfer

TRELLVAC AL EC

► Conductive tube

WP: 5 bar/Vacuum: 0.9 bar

Advice to users of Trelleborg food hoses

Before you start using your Trelleborg food hose

Before first use, you should proceed as follows:

- Fill hose with hot water (+ 70 °C to + 80 °C),
- keep water inside for minimum 12 hours,
- then, clean hose using any of the following cleaning processes.

Advice for cleaning processes

1) Water/Steam

Hot water	Steam
CITERDIAL - LACTADIAL - ALCODIAL VENDANGE - VINITRELL SUPERVRAC AL EC - TRELLVAC AL EC	
90 °C maximum	110 °C during maximum 10 minutes
ALIKLER G2 - ALIKLER D - MILLESIME TRELLVIN - TRELLVIN L	
95 °C maximum	130 °C during 30 minutes

2) Chemicals

Nitric acid (HNO₃) or product with additional nitric acid.
Maximum concentration:..... 0.1 % at 85 °C
..... 3 % at room temperature

Chlorine (Cl) or product with additional chlorine.
Maximum concentration:..... 1 % at maximum 70 °C

Sodium hydroxide (NaOH) or product with additional sodium hydroxide.
Maximum concentration:..... 2 % between 60 °C to 80 °C
..... 5 % at room temperature

Hydrogen peroxide (H₂O₂) or product with additional hydrogen peroxide.
Maximum concentration:..... 3 % at room temperature
MILLESIME only:..... 1.5 % at maximum 85 °C

Every cleaning cycle must be immediately followed by a complete rinse

△ **Storage:**

Keep away from (sun) light and heat.
Only use pierced plugs when needed.

△ **Stagnation:**

With ALCODIAL only.

⊗ **Do not use high pressure cleaning systems to wash inside the hose.**

Standards and Approvals

Our compounds ingredients and our hoses are compliant with:

- ▶ **European regulations** 1935/2004 and 2023/2006 ;
- ▶ **France:** Brochure 1227, arrêté dated 9/11/1994 ;
- ▶ **Germany:** BfR recommendation XXI when appropriate ;
- ▶ **USA:** FDA - 21 CFR 177.2600 and CFR 177.1520 for ALCODIAL ;
- ▶ and do not contain **any phthalates, nor bisphenol A.**



BfR

FDA



Made in France

Trelleborg hoses and hose assemblies, with complete confidence

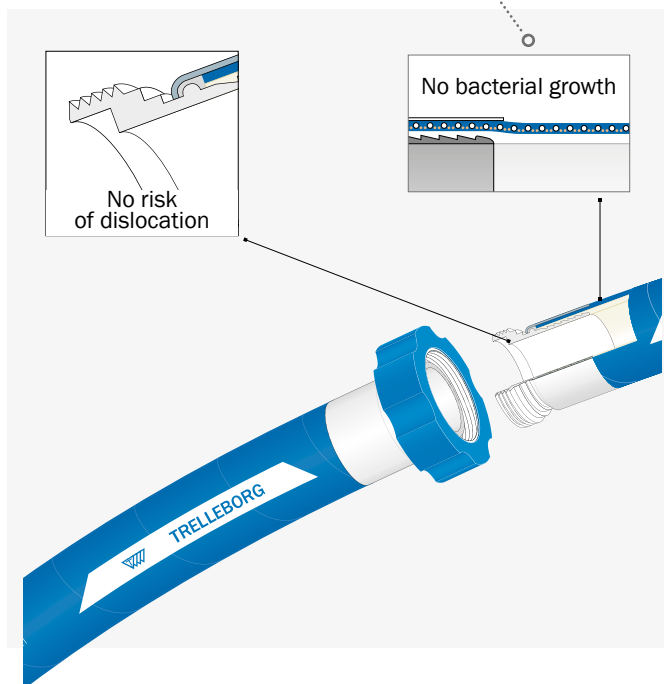
Hygiene

You can be confident that **Trelleborg's hoses and assemblies are designed and manufactured with hygiene in mind.**

The smooth extruded innertube resists the most common cleaning operations in your industry. **Combined with our specially designed coupling system, no bacterial growth is possible on your hose assembly.**

The rubber material and all the other ingredients used in our food grade compounds have been selected to comply with the **most stringent requirements for foodstuff contact.** Both compounds and finished hose are compliant with applicable legislation (European regulations 1935/2004 and 2023/2006 ; France ; Germany: BfR recommendation XXI. ; USA: FDA - 21 CFR 177.2600 and 21 CFR 177.1520 for ALCODIAL) and **contain no phthalate nor Bisphenol A.**

Our covers (either red or blue) **are non marking**, keeping your floors clean.



Reliability and safety



Rubber material is both flexible and robust.

Our hoses can therefore **absorb hammer-shocks**, swift temperature changes have no effect on their behaviour and they will keep **flexible even at low temperatures** with same pressure resistance.

Our specific swaged-on coupling systems are compatible with most commonly used fittings. Our latest development on **rubber coated nuts** will prevent burns and guarantee **optimal tightening by hand.**

You will always be satisfied with the performances of Trelleborg's hose assemblies.

Trelleborg Fluid Handling Solutions

REACH

Trelleborg Industrial Hose Commitment: **REACH compliant, no SVHC, no CMR**

Since 2010, all industrial hoses made in our factories in France and Sweden are free from any substance of very high concern (SVHC).

For more information on REACH: <http://echa.europa.eu/>



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