

Hose and hose assemblies for all your transfers, from harvest reception to bottling

More reliability and safety

Advantages of the crimped solution:

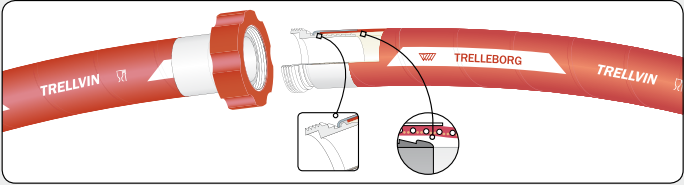
- No risk of disconnection ⇔ no risk of product loss.
- Elimination of prominent parts ⇔ safe and easy handling.

Advantages of rubber

- Without phthalates.
- Resistance to hammer shocks.
- Pressure resistant.
- At extreme working conditions (swift temperature changes), hose will keep shape and flexibility.

More hygienic

- No retention area, preventing bacterial growth ⇔ TRELLEBORG crimp solution guarantees full flow hose/coupling.



- Resistance to extreme cleaning:
 - High temperature (up to 90 °C during several minutes).
 - Shell scraping.
 - Steam (up to 130 °C during several minutes).

Advice to users of Trelleborg food hoses

Conseils sur le processus de nettoyage

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	
95 °C maximum	130 °C during 30 minutes

2) Chemicals

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

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

Sodium hydroxide (NaOH) or product with additional sodium hydroxide.
Maximum concentration:..... 2 % from 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.**



Regulations and standards

Compounds and hoses are all complying with latest regulations:

- European regulations 1935/2004 and 2023/2006 ;
- France : Brochure 1227, order of 9/11/1994 ;
- Germany : BfR recommendation XXI when applicable ;
- USA : FDA - 21 CFR 177.2600 and CFR 177.1520 for ALCODIAL ;
- and contain **no phthalate, nor bisphenol A.**



Made in France



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Fluid Transfer Solutions

Wines and Alcohols

www.trelleborg.com/fluidhandling

TRELLEBORG FLUID HANDLING SOLUTIONS

Trelleborg Fluid Handling Solutions

Trelleborg Fluid Handling Solutions is part of Trelleborg Industrial Solutions.

With over 1000 employees and head office located in Clermont-Ferrand (France), Trelleborg Fluid Handling Solutions is a key leading player proposing high performance and optimal solutions for every situation with low and medium pressure Industrial Hose, Oil and Marine Hoses, Rubber Sheetting & Matting and Expansion Joint based on advanced polymer technology with production sites in France, Spain, Sweden and Brazil.

Trelleborg Fluid Handling Solutions offers a very large range of competitive products, solutions and services that meet your needs and requirements for all types of application for your different businesses.



Your Partner for Fluid Handling

Trelleborg Fluid Handling Solutions is organized around 9 applications areas:

- Oil and Gas
- Construction and Mining Equipment
- Energy
- Chemical, Pharma and Food
- Agriculture and Farms
- Environment and Cleaning Waste Water
- Processing Equipment and Machine Tools
- Industrial Transportation
- Life Science

This enables better reactivity to adapt our offer to fast moving application or to design special solutions tailor-made for you. In all cases we follow closely legal requirements or standard evolutions.

Our logistics platform: availability, reactivity and reliability

Over 5000 different items are stored in our 3 logistic platforms in Clermont-Ferrand (France), Trelleborg (Sweden) and Izarra (Spain) to meet your need for immediate and reliable delivery.

Our research and development centers through continuous innovations

Located in France and Brazil for Oil & Marine Hose, France and Sweden for Industrial Hose and Spain for Rubber Sheetting/ Matting and Expansion Joint, our R&D centers provide innovating solutions for compound, finished products and customized solutions.

All production sites are well equipped with laboratory, test bench and calculation centers to provide ready-to-use solutions based on our experience of the applications and competences.

Our couplings technical centers

With location all over Europe (Germany, Norway, Sweden and France), Brazil and China we offer a large range of rubber hose assembly, composite hose, Stainless Steel or PTFE hose with dedicated service (24 hours to 48 hours delivery) and accessories.

Trelleborg Oil & Marine Hoses

Trelleborg Oil & Marine is the leading supplier of innovative and field-proven large-bore flexible bonded hoses for crude oil, chemicals, and LPG/LNG offshore transfer applications.

Trelleborg Oil & Marine provides full service worldwide through global life cycle – engineering studies, delivery of complete solutions (hoses and ancillary equipments), on-site supervision, and recommendations for installation, maintenance and repairs. Trelleborg Oil & Marine is a technology and innovation driven company that makes flexible bonded hoses with unrivalled and undisputed performance.

Our products are designed and built with cutting edge solutions used in tire and aerospace industry, with high resistance to extreme operating environments and severe fatigue conditions. The acquisition of a Brazilian company in 2011 in Sao Paulo enlarged and completed the range of products and technologies. In Brazil, the business focuses on specially designed oil hoses for floating and submarine applications in order to answer the strongly growing local offshore oil and gas extraction industry.

Trelleborg Oil & Marine provides a wide range of products specifically designed for demanding applications with long service life and high level of reliability:

One team, two world class factories, in France and Brazil, serving the global Oil & Gas transfer and offloading business

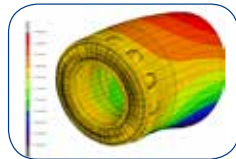


São Paulo, Brazil



Clermont-Ferrand, France

In order to help you to accelerate the development of your business, our service list also covers



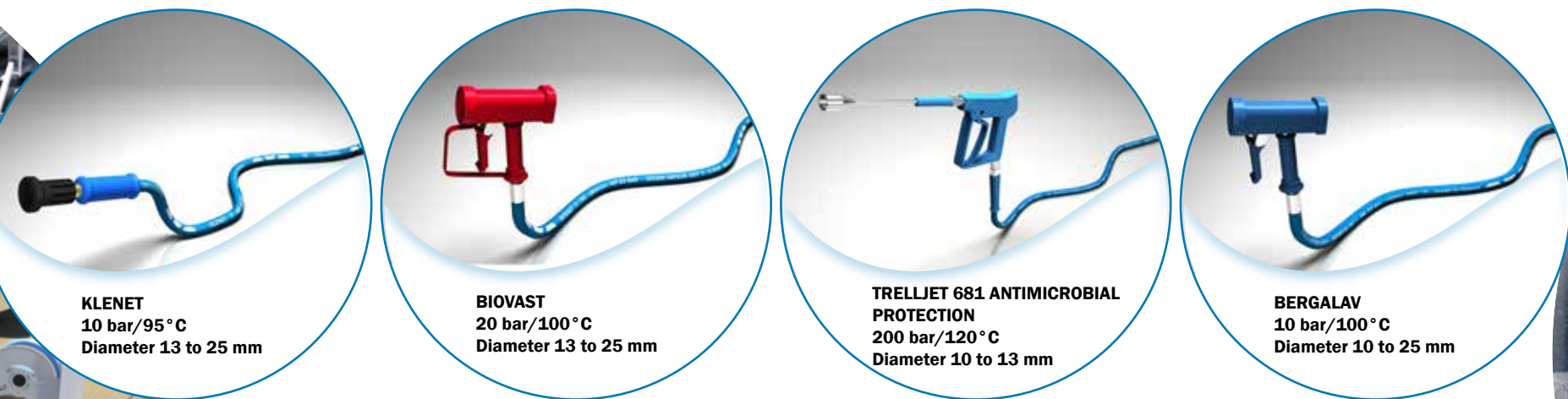
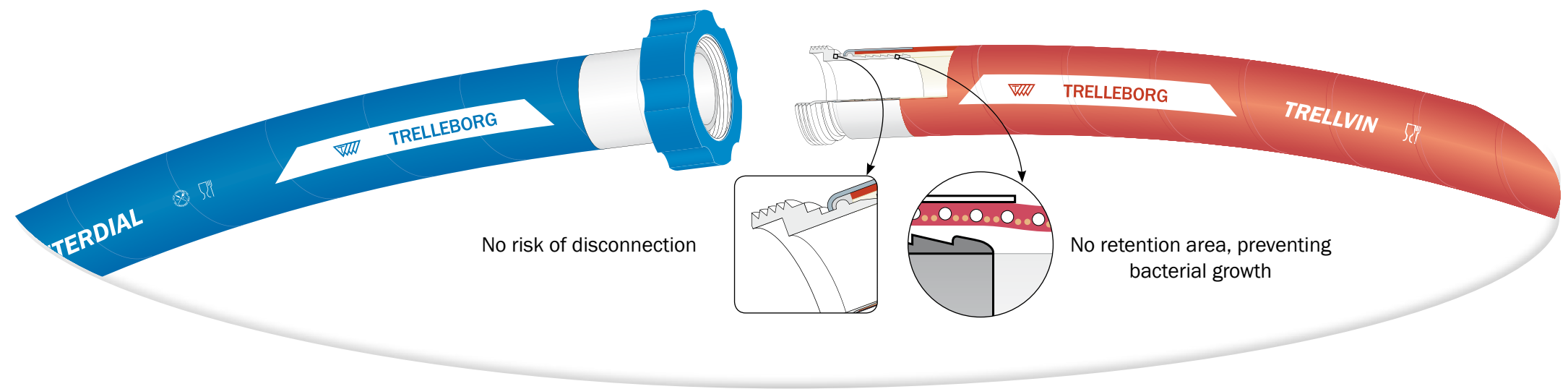
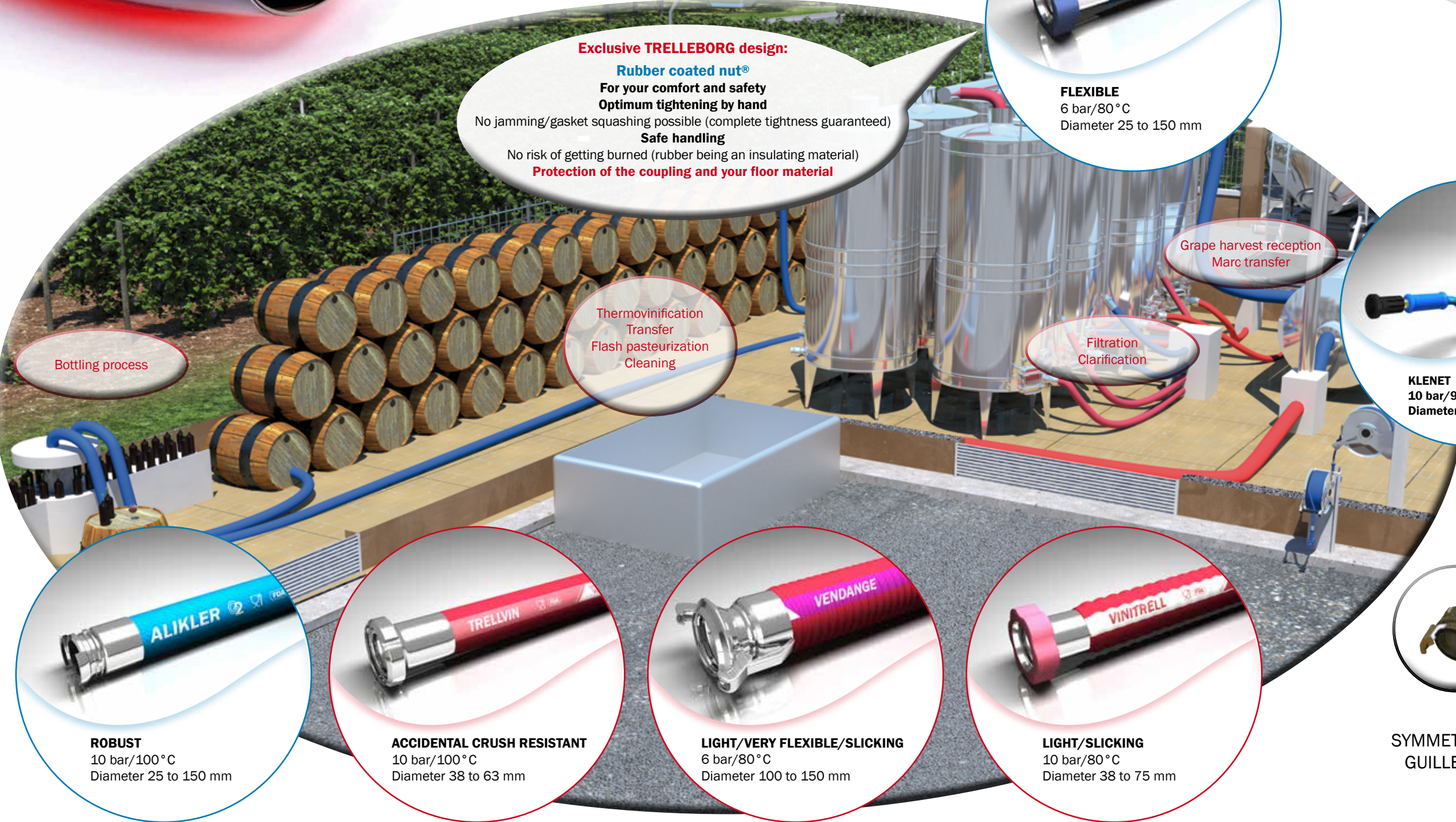
- Compounding formulation | Hose configuration modeling | Finite element calculations | Hose design
- Hose testing (pressure, bending, elongation resistance, ...) | Hose certification (PED, ADR, REACH, ...) | Handling and storage instructions
- Installation instruction and supports | Hose inspection and refurbishment | Hose failure analysis
- After sales support | Training for sales team | Training for assembly workshop operators

Wine growers, wine masters, œnologists, cooperatives ... your activity requires exceptional equipment

TRELLEBORG hoses and hose assemblies preserve quality and taste of your wines and alcohols

Winery

Distillery



Our distribution partners, all over the world, will make hose assemblies to your request following the TRELLEBORG procedures.

