



# Aircraft Supply chain

HOSES, HOSE ASSEMBLIES AND ACCESSORIES

# 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](http://www.trelleborg.com)



INDUSTRIAL SOLUTIONS



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, preparing 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.



AIRCRAFT REFUELING



AQUACULTURE



CHEMICAL FLUID TRANSFER



CONSTRUCTION



FOOD & BEVERAGE PRODUCTION



MARINE & LEISURE BOAT



PETROCHEMICALS



ENERGY TRANSFER



MANUFACTURING & MACHINE TOOLS



WATER & WASTE WATER MANAGEMENT



MINING EQUIPMENT



OIL TRANSFER





# Aircraft Application transfer

Trelleborg Fluid Handling Solutions offer cutting-edge aircraft refueling solutions!

We specialize in delivering top-tier refueling equipment tailored to meet the demanding needs of aircraft operators worldwide.

With a commitment to safety, efficiency, and reliability, we aim to optimize your refueling operations and meet your needs

# Aircraft refuelling and defuelling

Trelleborg offers a range of products suitable for refuelling small airports up to the largest international structures on all types of fuels such as JET A1, Kerosene or AVGAS.

## 3 METHODS TO FUEL AIRCRAFT FOR AIRPORTS



**Hydrant dispenser**  
World largest



**Trailer refueller**  
Most of the commercial airports



**Over wing fueling**  
Small & very small airports



### AEROKLER C / CT VERSION

#### APPLICATION

Aircraft ground refuelling with kerosene or petroleum fuel, aromatic content  $\leq 50\%$ . Fuel discharge under pressure.



### AEROKLER E / CT VERSION

#### APPLICATION

Aircraft ground refuelling and defuelling with kerosene or petroleum fuel, aromatic content  $\leq 50\%$ . Fuel discharge under pressure.



### AEROKLER F / CT VERSION

#### APPLICATION :

Aircraft ground refuelling and defuelling with kerosene or petroleum fuel, aromatic content  $\leq 50\%$ . Fuel discharge under pressure.

## ADVANTAGES

- Recognized by the major oil companies.
- Highly resistant non fuel contaminating tube.
- Light weight, flexible and abrasion resistant hose.
- Flamme resistant cover (E and F)
- Hose assemblies are individually tested and supplied with a test certificate, according to EI 1529/C and ISO 1825:2017.
- TMD (for France)



# COLD RANGE AVAILABLE

All our hoses can be manufactured in 'CT' (Cold Temperature) configuration. They can be used without risk of breakage down to -48° C.



## AEROKLER CT

### APPLICATION

Aircraft ground refueling with kerosene or other aircraft fuels, with aromatic content  $\leq 30\%$ , used in cold temperature applications where standard hose is not suitable due to extreme cold temperatures. Fuel discharge under pressure.

## ADVANTAGES

- Remaining flexible and fully EI 1529 compliant at -40°C.
- Highly resistant tube to contamination fuel.
- Light weight, flexible and abrasion resistant hose.
- Light weight, flexible and abrasion resistant hose.

All our Aircraft refuelling and defueling hoses are available in CT version for cold.

# REFUELING OF TRUCKS TO STORAGE TANKS FOR PLANT OPERATION AND MAINTENANCE

We also provide transfer connections between storage stations and tanker trucks.



## PUMPADUKT S

### APPLICATION

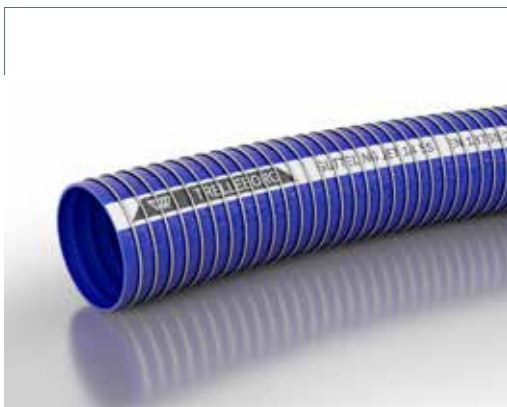
Between the airport fuel dispenser and the road tankers as refueler vehicle. Suction and discharge of petroleum products with aromatic content up to 50%.

### ADVANTAGES

- Highly robust and flexible.
- Cover particularly resistant to hydrocarbons, abrasion, atmospheric conditions and ozone.
- Electrical conductivity assured by the inner tube compound.
- Suitable for biofuels up to 60°C

### NORMES

- Normes: EN 1761:1999,
- EN 12115:2021
- ATEX



## GUTTELING JET 14 SS

### APPLICATION

Suction and discharge of light or heavy petroleum products and derivatives with aromatic content up to 100%, especially Jet A1, AVGAS, kerosene. Road and rail equipment or fixed installations.

### ADVANTAGES

- Capable of handling solvents.
- Easy handling due to hose flexibility (low bending radius).
- Electrical conductivity ensured by the two helices which are attached to the couplings.

### NORMES

- EN13765



# FOR ENHANCED SAFETY FOR YOUR ON-SITE OPERATORS

Our AEROKLER C in luminescent version is available in ID 32,38 and 50.

The luminescent marking makes the product easier to see during ground operations and ensures greater safety for operators.

# Accessories and fittings

We have a wide range of accessories and fittings for your aircraft applications

## EXPANSION JOINT TEGUFLEX TW

For installation on your fuel transfer vehicle.

### ADVANTAGES

- Compensate for thermal elongation and misalignment.
- Available from ID 25 to ID 300 and with FLANGES DIN 28460 in Aluminium.



### FITTINGS

- A large range of male or female BSP threaded fittings from 3/4" to 4" in tin plated brass or stainless steel 316L. NPT: LATAM + ASIA
- Assembly with aluminium or stainless steel safety clamps, or with swaged ferrules
- Supplied with a Tests & Conformity Certificate

### ACCESSORIES

- Accessories on demand : Hose guard spring, trolley, gaskets etc
- Yellow anti-friction collars (EI 1522 compliant)
  - Yellow spiral wraps (EI 1522 compliance in progress)

**10**  
years

“We’ve been using Trelleborg solutions for over 10 years. Flexible and lightweight, AEROKLER hoses ensure safe and easy daily use for all our floor operators. With their high strength, we’re confident of their long service life.”

Testimony

**SLCA**  
**Company**





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[WWW.TRELLEBORG.COM/FLUIDHANDLING](http://WWW.TRELLEBORG.COM/FLUIDHANDLING)

#### Trelleborg BU Fluid Handling Solutions

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