

# LACTADIAL PLUS



**FOOD & BEVERAGE**

Food industry/Transfer



## APPLICATIONS

Designed for loading and unloading dairy products such as milk, cream, or butter, etc., with excellent resistance to the most demanding CIP (Clean-in-Place) protocols.

Transport of other food products: fatty products, wines, beers, ciders, fruit juices, vinegars, and alcoholic beverages with an alcohol content of up to 50%, etc.

## ADVANTAGES

- Exceptional flexibility, allowing the hose to bend effortlessly, with a very small bending radius and full return to its original round shape after accidental crushing.
- Optimal combination of light weight, versatility, and flexibility, effectively meeting a wide range of demanding requirements.
- Tube made of a special food-grade polymer, resistant to the most commonly used chemical cleaning agents, even at high concentrations or temperatures.
- Can also be steam-cleaned up to +110°C for 30 minutes.
- Abrasion resistant and non marking cover.
- Contains no phthalate.

## COUPLING/FITTINGS

Trelleborg's UTS coupling system has been designed to fit all connections used on your food processing equipment.

We have developed specific coupling solutions to prevent contamination and preserve product quality. Please contact us for further information.

## TECHNICAL DESCRIPTION

Inner tube	Food-grade special polymer-based, white, smooth
Reinforcement	synthetic textile with embedded PET helix
Cover	weather and abrasion resistant NR, blue, fabric impression.
Working temperature	-30°C => +80°C.
Special Properties	Max. vacuum: 0.7 bar.

## STANDARD/APPROVAL

EU regulations No. 1935/2004, 2023/2006, 10/2011 and 2024/3190.

EU

FDA regulation No. 21 CFR 177.1520.

FDA

Specification compliant with the french decree of August 5, 2020 (latest applicable version effective from July 1, 2025).

FR

Specification compliant with the german legislation: BfR recommendation XXI cat. 2.

BfR

All relevant migrations tests (France and FDA) were performed by the French institute of Poitiers (IANESCO) and confirmed compliant.



and embossed: TRELLEBORG - LACTADIAL PLUS - FDA - ND - WP 10bar - week/year - batch number - Made in France



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ID (MM)	OD (MM)	WORKING PRESSURE (BAR)	BURSTING PRESSURE (BAR)	BENDING RADIUS (MM)	WEIGHT (KG/M)	MAX LENGTH (M)	ARTICLE NUMBER
38.0	49.0	10	30	135	0.95	40.0	5609985
40.0	51.0	10	30	140	0.97	40.0	-
51.0	65.0	10	30	150	1.34	40.0	5609986
53.0	67.0	10	30	160	1.47	40.0	-
55.0	68.5	10	30	165	1.52	40.0	-
63.0	77.0	10	30	200	1.72	40.0	5609907
70.0	83.5	10	30	230	2.00	40.0	5609941
76.0	92.0	10	30	228	2.20	40.0	5609901
80.0	96.0	10	30	295	2.40	40.0	5609943

Tolerance on length:  $\pm 1\%$  (ISO 1307 Standard).**ADVICE FOR CLEANING PROCESSES****⚠ Before first use:**

- Fill with hot water (70–80 °C) and let stand for at least 2 hours.
- Then clean using a suitable process to prevent premature aging.

Maximum of **2 cleaning cycles per day** (total of 15 min for chemical cycles), followed by a **thorough rinse**.

**⚠ Maintenance / Storage**

- Regularly check the condition of the hose.
- Store away from light and heat.
- Avoid stagnation (except with ALCODIAL or MULTIDIAL UPE, for limited duration).
- Do not use high-pressure cleaning inside.

**These recommendations are provided for guidance only. Other cleaning conditions may also be suitable depending on the application. For more detailed instructions or tailored advice, please refer to our cleaning guidelines or contact us.**

Cleaning agents	Max duration in total	Conditions
Hot water	<i>max 30 minutes</i>	max 90 °C
Steam (open end circuit)	<i>max 10 minutes</i>	max 110 °C
Nitric acid (HNO <sub>3</sub> )	<i>max 15 minutes</i>	0.1% at max 85 °C / 3% at room temperature
Phosphoric acid (H <sub>3</sub> P <sub>0</sub> 4)		1% at max 85 °C / 3% at room temperature
Chlorinated products (HCl, NACIO, ...)		1% at max 70 °C
Sodium hydroxide (NAOH)		2% at max 80 °C / 5% at room temperature
Hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> )		3% at room temperature
Peracetic acid (C <sub>2</sub> H <sub>4</sub> O <sub>3</sub> )		0.5% at room temperature

