

TRELLVAC AL EC



FOOD & BEVERAGE

Evacuation and material handling hoses



APPLICATIONS

Extraction and transport hose for bulk abrasive products for the food industry (sugar, grains, flour, milk powder, cattle feed, etc.) and chemicals (PVC, dry stuffs, etc.). Can also be used to transfer alcohol up to 10%.

Max vacuum : 0.9 bar.

ADVANTAGES

- Can be used in ATEX areas: 0, 1, 2 and 20, 21, 22.
- Non-marking, abrasion resistant cover.
- Conductive tube and cover considerably extend service life especially for transfer at high speeds.

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.

COMPLEMENTARY INFORMATION

Other lengths on request.

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

TECHNICAL DESCRIPTION

| | |
|-----------------------|---|
| Inner tube | foodgrade abrasion resistant NBR, white, smooth. |
| Reinforcement | synthetic textile with embedded steel helix |
| Cover | wear and weather resistant NBR/ PVC, green, corrugated. |
| Working temperature | -10°C => +80°C. |
| Electrical Properties | conductive tube and cover, R<100MΩ/Ig, helix must be connected with couplings. Can be used in ATEX zones. |

STANDARD/APPROVAL

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

EU

FDA regulation No. 21 CFR 177.2600.

FDA

Max. vacuum as per ISO 7233.

ISO

French legislation: Decree of August 5, 2020 (latest applicable version effective from July 1, 2025).

FR



and embossed: week/year



FOOD & BEVERAGE

TRELLVAC AL EC GREEN



| ID (MM) | OD (MM) | WORKING PRESSURE (BAR) | BURSTING PRESSURE (BAR) | BENDING RADIUS (MM) | WEIGHT (KG/M) | LENGTH (M) | ARTICLE NUMBER |
|---------|---------|------------------------|-------------------------|---------------------|---------------|------------|----------------|
| 51.0 | 66.0 | 5 | 15 | 125 | 1.43 | 20.0 | 5513945 |
| 63.0 | 78.0 | 5 | 15 | 160 | 1.76 | 20.0 | 5513946 |
| 76.0 | 91.0 | 5 | 15 | 190 | 2.10 | 20.0 | 5513947 |
| 89.0 | 104.0 | 5 | 15 | 240 | 2.48 | 20.0 | 5513948 |
| 102.0 | 117.0 | 5 | 15 | 280 | 2.82 | 20.0 | 5513949 |
| 110.0 | 125.0 | 5 | 15 | 330 | 3.04 | 20.0 | 5513950 |
| 125.0 | 140.0 | 5 | 15 | 375 | 3.39 | 10.0 | 5513951 |
| 150.0 | 166.0 | 5 | 15 | 450 | 4.69 | 10.0 | 5513952 |

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 30 minutes</i> | max 130 °C |
| Nitric acid (HNO ₃) | <i>max 15 minutes</i> | 0.1% at max 85 °C / 3% at room temperature |
| Phosphoric acid (H ₃ PO ₄) | | 1% at max 85 °C / 3% at room temperature |
| Chlorinated products (HCl, NaClO, ...) | | 1% at max 70 °C |
| Sodium hydroxide (NaOH) | | 2% at max 60 °C / 5% at room temperature |
| Hydrogen peroxide (H ₂ O ₂) | | 3% at room temperature |
| Peracetic acid (C ₂ H ₄ O ₃) | | 1% at room temperature |

