

Hoses



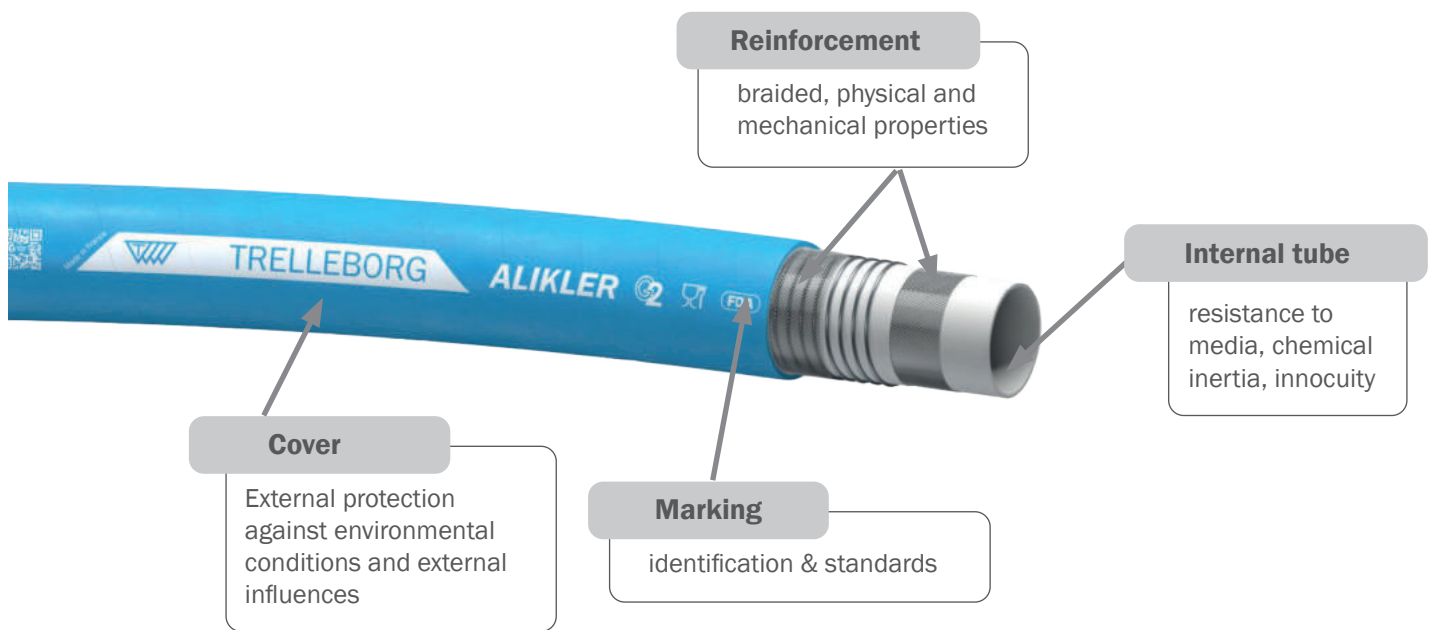
General

AWH offers a product range of high-quality hoses specifically designed for **demanding processes in the food, chemical, and pharmaceutical industries**. The portfolio includes hoses for liquids, viscous media, greases and oils, CIP/NEP cleaning processes, and the pneumatic conveyance of bulk materials. This ensures that key process steps, from raw material intake to filling, are handled safely and efficiently.

When selecting hose grades, the focus is on **product safety, process stability, and durability**. The hoses are characterized by high **resistance to media and temperatures**, excellent **cleanability**, and – depending on the model – outstanding **flexibility** or exceptional **durability** under mechanical stress. This allows them to be optimally adapted to the specific requirements of plant manufacturers and operators.

All hose types offered are based on materials and designs that are suitable for contact with sensitive media and comply with relevant **national and international standards**. These include, in particular, European regulations for materials intended to come into contact with food (e.g., EU regulations on food contact materials and GMP) as well as, depending on the type, additional requirements such as FDA compliance or BfR recommendations.

Construction



Wide range of connection options



Applications



Dairy and Milk Processing

- Milk collection (tank trucks, unloading)
- Processing/production (cheese, yogurt, butter, cream)
- Cleaning (tank trucks, equipment, and floors)

Hose: CITERDIAL



Brewery and Beverage Industry

- Production process (tank-to-tank transfer, filtration, etc.)
- Filling (barrel filling, bottle filling)
- CIP
- Unloading of tank trucks

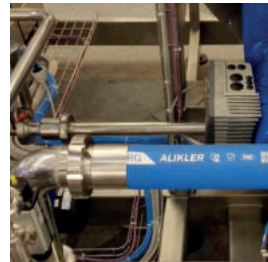
Hose: BEERDIAL



Food processing

- Conveying of liquid and viscous foods (sauces, soups)
- Transfer of semi-finished and finished products
- Flexible connections for machines and units

Hose: MILLESIME



Fats, oils, baking, and confectionery industry

- Transportation of vegetable oils and fatty products
- Conveying of doughs, batters, and fillings
- Loading and unloading of tanks

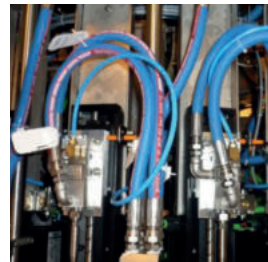
Hose: ALIKLER



Bulk Material & Powder Conveying

- Pneumatic conveying of abrasive bulk food products such as sugar, flour, grain, and milk powder
- Transfer of powders
- Unloading of tank trucks and filling of silos

Hose: TRELLVAC AL EC



CIP-/NEP Cleaning

- Piping for CIP/SIP media in food, chemical, and pharmaceutical plants
- Pumping of hot cleaning and disinfection solutions as well as alkalis and acids within a specified concentration range

Hose: MULTIDIAL UPE



Chemical Industry

- Pumping of aqueous and partially solvent-based media in chemical processes
- Use in applications with increased requirements for chemical resistance and process reliability

Hose: MULTIDIAL UPE



Pharma & Biotech

- Transfer of process media in production
- Connection of flexible hoses
- Applications with high requirements for cleanability and control of particulates and extractables/leachables

Hose: MULTIDIAL UPE

Hose Types



Hose MILLESIME

EPDM hose is the **versatile standard solution** for numerous applications in food production. It is suitable for a wide range of aqueous and slightly viscous products and offers a balanced combination of performance and cost-effectiveness.

- Suitable for a wide range of aqueous and non-fatty foods (e.g., sauces, beverages, liquid convenience products)
- Good flexibility and ease of use in daily operation
- High resistance to many CIP cleaning agents and temperatures
- Made from materials compliant with food safety regulations, designed in accordance with relevant EU regulations for food contact
- Cost-effective solution for standard applications in food production



Hose CITERDIAL

This type of hose, featuring an **NR** inner tube, is designed for the gentle **conveyance of milk and milk-based products** – from raw milk collection through to processing. It combines high flexibility with a robust design and is particularly suitable for dairies and their equipment manufacturers.

- Suitable for milk, cream, yogurt, curd, and similar liquid products
- Highly flexible for tight installation spaces and frequent changeovers
- Made from food-grade materials, designed for contact with food
- Designed for typical pressures and temperatures in dairy processing
- Smooth inner tube to facilitate easy cleaning and minimize product buildup



Hose BEERDIAL

The **brewery hose** with an **SKM** inner tube is designed to meet the demands of modern **brewing and beverage production processes**. It is suitable for transferring wort, young beer, finished beer, and other beverages, while also meeting strict hygiene and CIP requirements.

- For beer, fortified beverages, and other liquid media in the beverage industry
- High flexibility combined with high pressure resistance
- Suitable for frequent CIP/NEP cleaning cycles and elevated process temperatures
- Food-contact materials, with international approvals (e.g., EU, FDA) depending on the model
- Designed to minimize oxygen ingress into the product stream

Hose Types



Hose ALIKLER

This hose, featuring an **NBR** inner liner, is specifically designed for handling **oily and greasy substances**, such as those found in the edible **oil, baking, and confectionery industries**. It is used in applications where standard food-grade hoses fail to provide sufficient grease resistance.

- Suitable for vegetable oils, fatty products, and oil-containing environments
- Good flexibility combined with high resistance to oil and grease
- Designed for use in conveying and filling processes involving food contact
- Internal materials designed for food contact
- Designed for typical operating temperatures and conveying pressures in grease and oil applications



Hose MULTIDIAL UPE

The **UPE**-based hose is designed for **cleaning, auxiliary, and select chemical media**. It is suitable for CIP/NEP systems in the food, chemical, and pharmaceutical industries, as well as for processes that require high chemical resistance.

- Resistant to many cleaning agents, alkalis, and acids within a defined concentration and temperature range
- Designed for frequent cleaning cycles at elevated temperatures
- Smooth inner tube to facilitate efficient cleaning and minimize product adhesion
- Materials with high chemical inertness and suitability for media in contact with food
- Suitable as a flexible connection in CIP circuits and for selected process and auxiliary media in the chemical and pharmaceutical industries

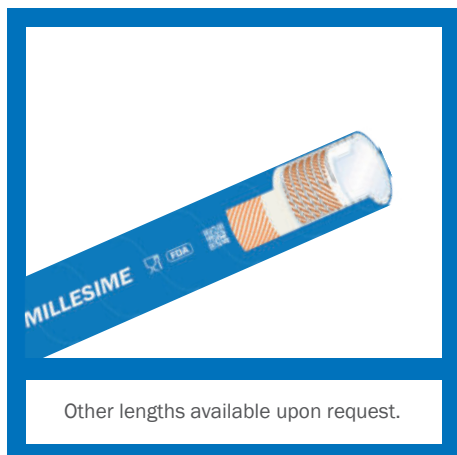


Hose TRELLVAC AL EC

This **bulk material and powder hose** is designed for the pneumatic conveyance and handling of abrasive powders and bulk materials — such as sugar, flour, grain, milk powder, or chemical granules, used in food, chemical, and pharmaceutical processes.

- Suitable for abrasive food and chemical powders in pneumatic conveying systems
- High abrasion resistance due to appropriate material selection and hose construction
- Version with integrated helix/reinforcement for safe conveying and vacuum resistance
- For applications involving food contact, suitable inner materials are used in accordance with relevant regulations
- ATEX-compliant version available for hazardous areas

Technical Data and Order Information

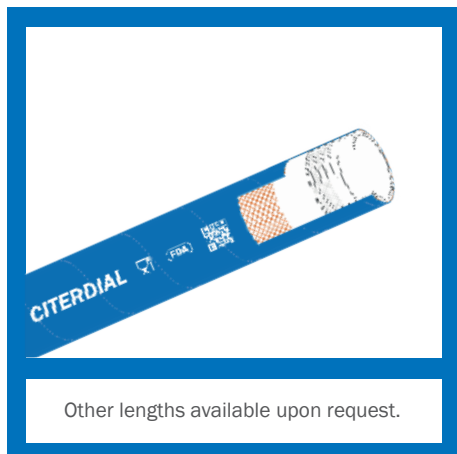


Hose MILLESIME

Vacuum: up to 0.9 bar
 Temperature: +100 °C max.
 Inner tube: EPDM

Working Pressure: 10 bar
 Bursting Pressure: 30 bar
 Tolerance on length: ± 1% (ISO 1307 Standard)

| ID [mm] | OD [mm] | Bending radius [mm] | Weight [kg/Roll] | Roll (40m) |
|---------|---------|---------------------|------------------|--------------------|
| | | | | Article-No. |
| 25 | 36 | 55 | 30.00 | 9TR 0165 5500496 |
| 32 | 43 | 70 | 37.16 | 9TR 0167 5500498 |
| 38 | 49 | 80 | 43.04 | 9TR 0169 5500500 |
| 40 | 51 | 85 | 44.92 | 9TR 0171 5500502 |
| 45 | 56 | 98 | 49.48 | 9TR 0173 5500506 |
| 51 | 62.5 | 105 | 63.76 | 9TR 0175 5500508 |
| 53 | 64.5 | 110 | 65.84 | 9TR 0177 5500510 |
| 60 | 71.5 | 125 | 74.28 | 9TR 0186 5501051 |
| 63 | 74.5 | 130 | 77.40 | 9TR 0179 5500512 |
| 70 | 81.5 | 145 | 86.04 | 9TR 0180 5500514 |
| 76 | 88.5 | 165 | 106.52 | 9TR 0182 5500516 |
| 102 | 115 | 400 | 145.40 | 9TR 0184 5500522 |

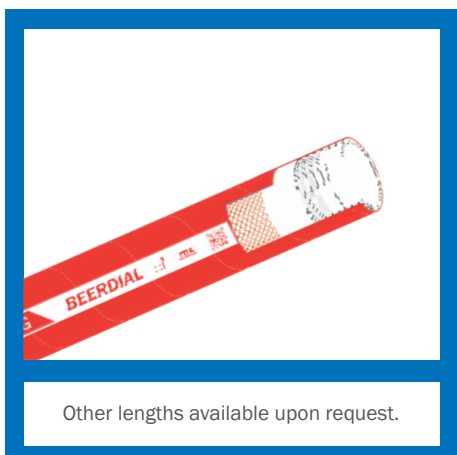


Hose CITERDIAL

Vacuum: up to 0.9 bar
 Temperature: +80 °C max.
 Inner tube: NR

Working Pressure: 10 bar
 Bursting Pressure: 30 bar
 Tolerance on length: ± 1% (ISO 1307 Standard)

| ID [mm] | OD [mm] | Bending radius [mm] | Weight [kg/Roll] | Roll (40m) |
|---------|---------|---------------------|------------------|--------------------|
| | | | | Article-No. |
| 25 | 36 | 50 | 28.00 | 9TR 0139 127209 |
| 32 | 43 | 64 | 33.92 | 9TR 0138 123639 |
| 38 | 49 | 76 | 47.00 | 9TR 0116 60069 |
| 40 | 51 | 80 | 51.92 | 9TR 0119 60074 |
| 45 | 56 | 90 | 56.72 | 9TR 0128 60142 |
| 51 | 63 | 102 | 73.04 | 9TR 0132 60775 |
| 53 | 65 | 106 | 75.44 | 9TR 0120 60082 |
| 60 | 72 | 120 | 85.36 | 9TR 0121 60085 |
| 63 | 75 | 126 | 88.80 | 9TR 0124 60089 |
| 70 | 83.5 | 140 | 106.96 | 9TR 0126 60092 |
| 76 | 89.5 | 152 | 123.24 | 9TR 0135 60787 |
| 100 | 114 | 350 | 151.68 | 9TR 0117 60071 |



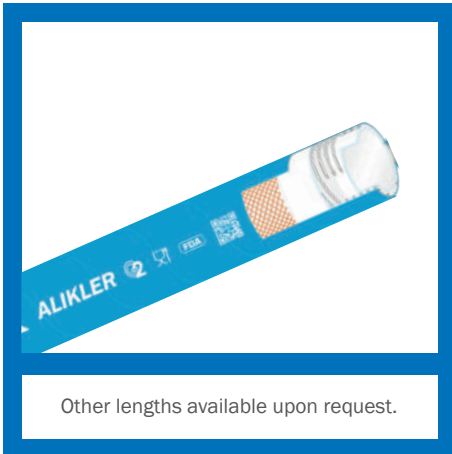
Hose BEERDIAL

Vacuum: up to 0.9 bar
 Temperature: +120 °C max. (Spitze 130 °C)
 Inner tube: SKM

Working Pressure: 15 bar
 Bursting Pressure: 45 bar
 Tolerance on length: ± 1% (ISO 1307 Standard)

| ID [mm] | OD [mm] | Bending radius [mm] | Weight [kg/Roll] | Roll (40m) |
|---------|---------|---------------------|------------------|--------------------|
| | | | | Article-No. |
| 25 | 38 | 50 | 37.60 | 9TR 0058 5609477 |
| 32 | 45 | 64 | 45.08 | 9TR 0060 5609479 |
| 38 | 51 | 76 | 52.36 | 9TR 0062 5609481 |
| 50 | 63 | 100 | 74.68 | 9TR 0064 5609483 |
| 63 | 76 | 135 | 93.32 | 9TR 0066 5609485 |
| 75 | 90.5 | 190 | 131.48 | 9TR 0067 5609487 |
| 100 | 120.5 | 400 | 208.56 | 9TR 0069 5609489 |

Technical Data and Order Information

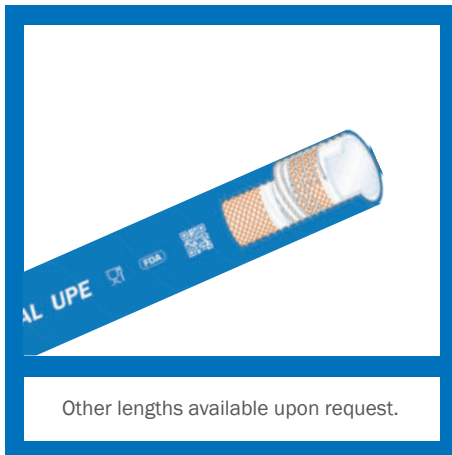


Hose ALIKLER G2

Vacuum: up to 0.9 bar
 Temperature: +100 °C max.
 Inner tube: NBR

Working Pressure: 10 bar
 Bursting Pressure: 30 bar
 Tolerance on length: ± 1% (ISO 1307 Standard)

| ID [mm] | OD [mm] | Bending radius [mm] | Weight [kg/Roll] | Roll (40m) |
|---------|---------|---------------------|------------------|--------------------|
| | | | | Article-No. |
| 25 | 37 | 50 | 36.80 | 9TR 0028 5513358 |
| 32 | 44 | 64 | 44.88 | 9TR 0030 5513360 |
| 38 | 50 | 76 | 51.20 | 9TR 0032 5513362 |
| 45 | 57 | 90 | 59.92 | 9TR 0034 5513364 |
| 50 | 62 | 100 | 73.60 | 9TR 0036 5513366 |
| 53 | 65 | 110 | 77.28 | 9TR 0038 5513368 |
| 63 | 76 | 135 | 93.24 | 9TR 0040 5513370 |
| 70 | 84.5 | 175 | 127.64 | 9TR 0042 5513372 |
| 75 | 89.5 | 190 | 136.56 | 9TR 0044 5513374 |
| 75 | 91 | 190 | 146.16 | 9TR 0055 5513386 |
| 89 | 104.5 | 275 | 161.48 | 9TR 0046 5513376 |
| 100 | 115.5 | 400 | 179.84 | 9TR 0048 5513378 |



Hose MULTIDIAL UPE

Vacuum: up to 0.9 bar
 Temperature: +100 °C max.
 Inner tube: UPE

Working Pressure: 10 bar
 Bursting Pressure: 30 bar
 Tolerance on length: ± 1% (ISO 1307 Standard)

| ID [mm] | OD [mm] | Bending radius [mm] | Weight [kg/Roll] | Roll (40m) |
|---------|---------|---------------------|------------------|--------------------|
| | | | | Article-No. |
| 25 | 36 | 80 | 35.2 | 9TR 0191 5513996 |
| 32 | 43 | 100 | 42.6 | 9TR 0202 5514149 |
| 38 | 49 | 120 | 50.88 | 9TR 0193 5513998 |
| 51 | 63.5 | 160 | 68.88 | 9TR 0195 5514000 |
| 63 | 75 | 200 | 93.28 | 9TR 0197 5514002 |
| 76 | 89 | 250 | 127.16 | 9TR 0199 5514004 |
| 100 | 114 | 400 | 177.64 | 9TR 0201 5514006 |



Hose TRELIVAC AL EC

Vacuum: up to 0.9 bar
 Temperature: +80 °C max.
 Inner tube: NBR

Working Pressure: 5 bar
 Bursting Pressure: 15 bar
 Tolerance on length: ± 1% (ISO 1307 Standard)

| ID [mm] | OD [mm] | Bending radius [mm] | Weight [kg/Roll] | Roll (20m) |
|---------|---------|---------------------|------------------|--------------------|
| | | | | Article-No. |
| 76 | 91 | 190 | 42.00 | 9TR 0245 5513947 |
| 89 | 104 | 240 | 49.60 | 9TR 0246 5513948 |
| 102 | 117 | 280 | 56.40 | 9TR 0247 5513949 |
| 110 | 125 | 330 | 60.80 | 9TR 0248 5513950 |

Order Configuration

We typically supply our hoses as **fully assembled units**. That is, as **hose assemblies with pre-installed fittings** tailored to your process, so you can install them directly into your system. Upon request, the hoses can also be purchased by the meter without fittings. The connection options shown on the following pages illustrate the available fittings.

We would be happy to provide you with a customized quote for your specific application upon request.

Connectivity options

The connection options shown here represent only a standard selection. We are happy to offer additional connections upon request. Please contact us.

Half shell clamps (stainless steel)



Half shell clamps (alu)



Stainless steel ferrule



Stainless steel nut
(available in DIN SMS MACON)



Rubber coated nut
(available in DIN SMS MACON)



Storz coupling



Tankwagen coupling



SMS male coupling
(also available in Male Macon and Male DIN)



Hose fitting BSP int. thread



Hose fitting BSP ext. thread



1/2 Symetrical



Adapter camlock type E



Adapter camlock type C



Armaturenwerk Hötensleben GmbH
Schulstr. 5-6
D-39393 Hötensleben

Tel: +49 39405 92-0
Fax: +49 39405 92-111
E-Mail: info@awh.eu
<http://www.awh.eu>

NEUMO Ehrenberg Group

