



PERFORMER AL EC



FOOD & BEVERAGE

Abrasive materials hydraulic and pneumatic handling



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

Hoses are fitted with BLOC-END® and must be used to the following maximum working pressure: 10bar.

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/lg, helix must be connected with couplings.

STANDARD/APPROVAL

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



FDA regulation No. 21 CFR 177.2600.



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



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



and embossed: week/year



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ID (MM)	OD (MM)	BLOC-END COUPLING ID (MM)	WORKING PRESSURE (BAR)	BURSTING PRESSURE (BAR)	BENDING RADIUS (MM)	WEIGHT (KG/M)	MAX LENGTH (M)	ARTICLE NUMBER
50.0	83.0	50.0	10	30	150	4.20	20.0	5513164
63.0	98.0	65.0	10	30	200	5.41	20.0	5513165
76.0	113.0	80.0	10	30	240	6.70	20.0	5513166
100.0	133.0	100.0	10	30	300	7.49	20.0	5513167
125.0	158.0	125.0	10	30	500	9.13	20.0	5513168
150.0	183.0	150.0	10	30	600	10.69	20.0	5513169

Tolerance on length: ±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 P ₀ 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 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

