

FOOD/PHARMA

AIRFLEX®/PU/AS/FOOD

Highly flexible food hose — antistatic, mirror-smooth interior, for all EU food simulants



Highly flexible suction hose with a mirror-smooth food-grade PU wall, antistatic and chemical-resistant. Designed for suctioning food and pharmaceutical products — typically on cleaning machines, suction pumps and filling machines. The spiral is rigid PVC with copper inlay, providing good collapse resistance under vacuum. Antistatic wall $<10^9 \Omega$ meets NFPA 652 and can be used in ESD systems with proper grounding.

R: $<10^9 \Omega$

Media: Gas, Dust, Liquid

Temp: -25 °C to 85 °C

✓ Cut to length

APPLICATIONS

- Suction machines in food production (dairy, meat processing, bakery)
- Suction pumps with food contact
- Filling machines and packaging lines
- Industrial vacuum cleaners in classified food zones
- Cleaning equipment in pharma and hygiene environments

Technical specifications

Material	Polyurethane (PU), food-grade and permanently antistatic
Colour	Transparent (with blue spiral)
Wall construction	Corrugated outer cover, mirror-smooth interior, rigid PVC spiral with copper inlay
Spiral material	rigid PVC spiral with copper wire
Conveying media	Gas, Dust, Liquid
Temperature range	-25 °C – 85 °C
Short-term peak	85 °C
Electrical resistance	$<10^9 \Omega$
Cut to length	Yes
Manufacturer SKU	4606

Standards and compliance

en-iso-1307, EU 1935/2004, EU 10/2011, fda-21-cfr-177-2600, gmp-eu-2023-2006, Ifgb, REACH, RoHS

Dimensions and ordering

The hose is supplied in 6 standard sizes from inner Ø 32.0 mm to 102.0 mm. Each size has its own article number. Standard roll length is typically 10 m, and the hose can be cut to length.

Inner Ø [mm]	Outer Ø [mm]	Vacuum axial [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
32	39	0.2	32	20	0.28	20	4606032000
38	45	0.2	38	20	0.31	20	4606038000
40	47	0.2	40	20	0.34	20	4606040000
51	59	0.2	51	20	0.43	20	4606050000
76	85	0.16	76	20	0.76	20	4606075000
102	112	0.13	102	20	1.12	20	4606100000

Fields without a value (—) are not specified in the manufacturer's factsheet. Overpressure and underpressure values are recommended operating limits; the product can be subjected to higher loads on request. Bend radius is measured along the inside of the hose bend.

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Contact and advisory

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