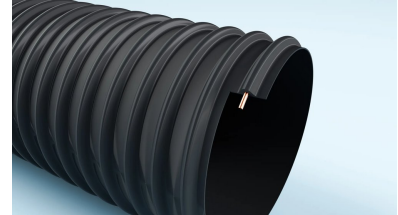
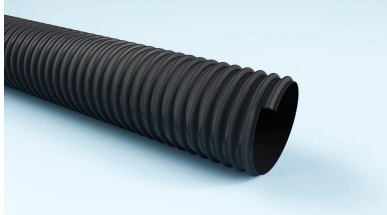


ATEX/ESD · in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases)

## AIRDUC® PE 362 EC (MD)

Conductive PE hose for chemical industry and ATEX zones — Zone 0·1·2 + Zone 20·21·22



Suction and pressure hose in polyethylene, extremely chemical-resistant and electrically conductive ( $<10^3 \Omega$ ). ATEX-certified per 2014/34/EU + TRGS 727 for the broadest zone coverage in the AIRDUC range — pneumatic transport of flammable dust in Zone 20, 21, 22, transport of flammable liquids in Zone 0, 1, 2, and use with gas in Zone 0, 1, 2. Service from  $-35 \text{ }^\circ\text{C}$  to  $+80 \text{ }^\circ\text{C}$ . Designed for chemical industry, mining and demanding ATEX applications.

**R:**  $<10^3 \Omega$

**ATEX:** Zone 0/1/2 + 20/21/22

**Media:** Liquid, Gas, Dust

**Temp:**  $-35 \text{ }^\circ\text{C}$  to  $80 \text{ }^\circ\text{C}$

✓ Cut to length

### APPLICATIONS

- Chemical vapour and liquid transport in ATEX zones
- Mining applications
- Pneumatic transport of flammable dust (Zone 20·21·22)
- Flammable liquids (Zone 0·1·2)
- Biogas handling
- Tunnel construction ATEX-relevant

## Technical specifications

<b>Material</b>	Polyethylene (PE), conductive formulation
<b>Colour</b>	Black (conductive PE)
<b>Wall construction</b>	Smooth interior, conductive PE wall
<b>Spiral material</b>	rigid PE
<b>Conveying media</b>	Liquid, Gas, Dust
<b>Temperature range</b>	-35 °C – 80 °C
<b>Short-term peak</b>	80 °C
<b>Electrical resistance</b>	<10 <sup>3</sup> Ω
<b>ATEX classification</b>	in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases) ATEX 2014/34/EU (1999/92/EC) + TRGS 727
<b>Cut to length</b>	Yes
<b>Manufacturer SKU</b>	3621003

### Standards and compliance

ATEX 2014/34/EU, TRGS 727, REACH, RoHS

## Dimensions and ordering

The hose is supplied in 16 standard sizes from inner Ø 28.0 mm to 250.0 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]	Wall th. [mm]	Press. DIN [bar]	Vacuum axial [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
28	34	0.8	0.78	0.53	22	15	0.24	-	36200281003
32	39	0.8	0.78	0.53	23	15	0.26	-	36200321003
38	45	0.8	0.66	0.45	26	15	0.3	10	36200381003
40	47	0.8	0.63	0.425	27	15	0.32	-	36200401003
50.5	57	0.8	0.505	0.34	32	15	0.39	10	36200501003
60	67	0.8	0.425	0.295	37	15	0.46	10	36200601003
70	78.5	0.8	0.365	0.21	44	15	0.53	10	36200701003
80	89	0.8	0.32	0.185	49	15	0.6	10	36200801003
90	99	0.8	0.285	0.165	54	15	0.68	-	36200901003
100	109	0.8	0.255	0.145	59	15	0.75	10	36201001003
126.5	135	0.8	0.205	0.12	72	15	0.94	-	36201251003
140	149	0.8	0.185	0.105	79	15	1.03	-	36201401003
151.5	160.5	0.8	0.17	0.1	84	10	1.12	10	36201501003
160	168.5	0.8	0.16	0.09	89	10	1.17	-	36201601003
202.3	211.3	0.8	0.13	0.075	110	15	1.48	-	36202001003
250	260	0.8	0.105	0.06	135	15	1.82	-	36202501003

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.

## Other Particulair microsities

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We build specialised microsities for critical industries. Each site provides in-depth product data, documentation and expert guidance for the domain it covers.

<a href="https://particulair.eu/ex-vac">particulair.eu/ex-vac</a>	ATEX and ACD vacuum cleaners for explosion hazard zones
<a href="https://particulair.eu/vace">particulair.eu/vace</a>	Nozzles and accessories for critical environments
<a href="https://particulair.eu/life-science">particulair.eu/life-science</a>	Vacuums for pharma and cleanroom
<a href="https://particulair.eu/hardo">particulair.eu/hardo</a>	Explosion-protected electrical Ex-equipment

## Contact and advisory

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Web: [particulair.eu](https://particulair.eu)

**Product page:** [particulair.eu/flexcore/en/atex-esd/airduc-pe-362-ec-md/](https://particulair.eu/flexcore/en/atex-esd/airduc-pe-362-ec-md/)

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