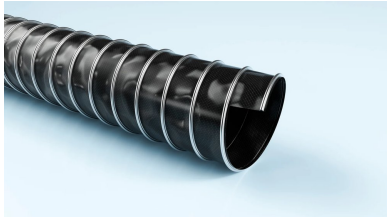


CHEMICAL-RESISTANT · in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dusts (Zone 22 inside), for use in zone 1 and 2 (gases), for use in Zone 0 (gases). Surface resistance PTFE film <math><10^6 \Omega</math>.

CP PTFE-INOX 475 EC

ATEX-approved PTFE-INOX clamp hose — conductive, up to +250 °C, for extraction arms and ATEX zones



Highly flexible single-layer clamp profile hose with conductive PTFE lining and stainless steel clamp. ATEX-certified per 2014/34/EU + TRGS 727 for Zone 22 (dust) and Zone 0, 1, 2 (gases). Service from -150 °C to +250 °C, peak +270 °C. Designed for extraction arms in ATEX zones and for chemical industry where ATEX approval combines with high temperature and broad chemical resistance.

R: <math><10^6 \Omega</math>

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

Media: Gas, Dust

Temp: -150 °C to 250 °C

✓ Cut to length

APPLICATIONS

- Extraction arms in ATEX zones
- Vapour return on storage tanks
- Air supply in ATEX-relevant environments
- Powder management at high temperature
- General extraction in combined HT + ATEX

Technical specifications

| | |
|------------------------------|---|
| Material | Conductive PTFE lining, stainless steel clamp profile |
| Colour | Black (conductive PTFE) with external steel clamp |
| Wall construction | Single-layer conductive PTFE, external INOX clamp |
| Spiral material | stainless steel (INOX) |
| Conveying media | Gas, Dust |
| Temperature range | -150 °C – 250 °C |
| Short-term peak | 270 °C |
| Electrical resistance | $<10^6 \Omega$ |
| ATEX classification | in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dusts (Zone 22 inside), for use in zone 1 and 2 (gases), for use in Zone 0 (gases). Surface resistance PTFE film $<10^6 \Omega$. ATEX 2014/34/EU (1999/92/EC) + TRGS 727 |
| Cut to length | Yes |
| Manufacturer SKU | 4751003 |

Standards and compliance

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

Dimensions and ordering

The hose is supplied in 19 standard sizes from inner Ø 50.5 mm to 325.0 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] | Press. DIN [bar] | Vacuum axial [bar] | Bend rad. [mm] | Max len. [m] | Weight [kg/m] | Roll [m] | Article no. |
|--------------|--------------|------------------|--------------------|----------------|--------------|---------------|----------|-------------|
| 50.5 | 62.5 | 0.41 | 0.27 | 18 | 10 | 0.52 | 6 | 47500501003 |
| 60 | 72 | 0.37 | 0.22 | 20 | 10 | 0.6 | 6 | 47500601003 |
| 64.5 | 76.5 | 0.355 | 0.2 | 22 | 10 | 0.64 | 6 | 47500651003 |
| 75.6 | 87.6 | 0.325 | 0.16 | 24 | 10 | 0.75 | 6 | 47500751003 |
| 80 | 92 | 0.315 | 0.14 | 24 | 10 | 0.79 | 6 | 47500801003 |
| 90 | 102 | 0.29 | 0.1 | 26 | 10 | 0.88 | 6 | 47500901003 |
| 101.5 | 113.5 | 0.195 | 0.085 | 28 | 15 | 0.73 | 6 | 47501001003 |
| 110 | 122 | 0.185 | 0.075 | 30 | 15 | 0.79 | 3, 6 | 47501101003 |
| 115 | 127 | 0.18 | 0.07 | 31 | 15 | 0.82 | 3, 6 | 47501151003 |
| 120 | 132 | 0.175 | 0.065 | 32 | 15 | 0.86 | 3, 6 | 47501201003 |
| 126.5 | 138.5 | 0.17 | 0.06 | 34 | 15 | 0.9 | 3, 6 | 47501251003 |
| 140 | 152 | 0.16 | 0.04 | 36 | 15 | 0.99 | 3, 6 | 47501401003 |
| 151.5 | 163.5 | 0.11 | 0.035 | 38 | 15 | 0.74 | 3, 6 | 47501501003 |
| 160 | 172 | 0.105 | 0.03 | 40 | 15 | 0.78 | 3, 6 | 47501601003 |
| 202.3 | 214.3 | 0.09 | 0.02 | 48 | 15 | 0.97 | 3, 6 | 47502001003 |
| 250 | 262 | 0.065 | 0.015 | 58 | 15 | 1.2 | - | 47502501003 |
| 275 | 287 | 0.06 | 0.015 | 64 | 15 | 1.31 | 3, 6 | 47502751003 |
| 300 | 312 | 0.055 | 0.01 | 68 | 15 | 1.43 | 3, 6 | 47503001003 |
| 325 | 337 | 0.055 | 0.01 | 74 | 15 | 1.55 | 3, 6 | 47503251003 |

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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| | |
|---|---|
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| particulair.eu/vace | Nozzles and accessories for critical environments |
| particulair.eu/life-science | Vacuums for pharma and cleanroom |
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Contact and advisory

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Web: particulair.eu

Product page: particulair.eu/flexcore/en/chemical/cp-ptfe-inox-475-ec/

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This datasheet is generated automatically from Particulair product data. All specifications are taken from the manufacturer's factsheet and are subject to change without notice. Prices and availability provided on request.