

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/GLASS-INOX 471 EC

ATEX-approved PTFE/glass-INOX double-layer hose — conductive, up to +250 °C, for vapour recovery



ATEX-approved EC version of CP PTFE/GLASS-INOX 471 — electrically conductive (surface resistance <math><10^6 \Omega</math> on PTFE film) and certified per ATEX 2014/34/EU + TRGS 727 for Zone 22 inside plus Zone 0, 1, 2 for gases. Service from -150 °C to +250 °C, peak +270 °C. Designed for vapour recovery systems and explosion hazard areas where extreme chemical resistance combines with ATEX requirements.

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

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

Media: Gas, Dust, Liquid

Temp: -150 °C to 250 °C

✓ Cut to length

APPLICATIONS

- Vapour recovery on storage tanks
- Explosion hazard zones (Zone 0, 1, 2 gas + Zone 22 dust)
- Aggressive chemical vapours at high temperature
- Spray mist extraction
- Powder management in ATEX zones

Technical specifications

Material	PTFE lining (conductive film), glass fibre reinforcement, stainless steel clamp profile
Colour	Black (conductive PTFE) with external steel clamp
Wall construction	Double-layer conductive PTFE + glass fibre, external INOX clamp
Spiral material	stainless steel (INOX)
Conveying media	Gas, Dust, Liquid
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	4711003

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 50.5 mm to 300.0 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	0.3	18	10	0.56	6	47100501003
70	82	0.34	0.21	22	10	0.75	6	47100701003
75.6	87.6	0.325	0.18	24	10	0.8	6	47100751003
80	92	0.315	0.16	24	15	0.85	6	47100801003
101.5	113.5	0.195	0.1	28	15	0.8	6	47101001003
110	122	0.185	0.085	30	15	0.86	3, 6	47101101003
115	127	0.18	0.08	32	15	0.9	3, 6	47101151003
120	132	0.175	0.075	32	15	0.93	3, 6	47101201003
126.5	138.5	0.17	0.07	34	15	0.98	3, 6	47101251003
151.5	163.5	0.11	0.04	38	15	0.85	3, 6	47101501003
160	172	0.105	0.035	40	15	0.9	3, 6	47101601003
180	192	0.095	0.03	44	15	1	3, 6	47101801003
202.3	214.3	0.09	0.025	48	15	1.12	3, 6	47102001003
215	227	0.085	0.02	52	15	1.19	3, 6	47102151003
250	262	0.065	0.02	58	15	1.38	3, 6	47102501003
300	312	0.055	0.01	68	15	1.65	3, 6	47103001003

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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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.