

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/HYP-INOX 472 EC

ATEX-approved PTFE/HYP-INOX clamp hose — conductive, up to +170 °C, for explosion hazard zones



EC version of CP PTFE/HYP-INOX 472 — electrically conductive (PTFE film with carbon addition) and certified per ATEX 2014/34/EU + TRGS 727. Service from -40 °C to +170 °C. Designed for chemical industry and explosion hazard areas where moderate high temperature combines with ATEX requirements.

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

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

Media: Gas, Dust, Liquid

Temp: -40 °C to 170 °C

✓ Cut to length

APPLICATIONS

- Chemical vapour extraction (moderate temperature)
- Spray mist extraction
- Vapour return
- Air supply in chemical-aggressive environments
- Powder management where anti-adhesion is needed

Technical specifications

Material	PTFE lining, HYP outer layer, stainless steel clamp profile
Colour	Black (conductive PTFE) with external steel clamp
Wall construction	Double-layer PTFE + HYP, external INOX clamp
Spiral material	stainless steel (INOX)
Conveying media	Gas, Dust, Liquid
Temperature range	-40 °C – 170 °C
Short-term peak	170 °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	4721003

Standards and compliance

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

Dimensions and ordering

The hose is supplied in 32 standard sizes from inner Ø 50.5 mm to 600.0 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	20	0.7	6	47200501003
60	72	0.37	0.25	20	20	0.82	6	47200601003
64.5	76.5	0.355	0.23	22	20	0.88	6	47200651003
70	82	0.34	0.21	22	20	0.95	6	47200701003
75.6	87.6	0.325	0.18	24	20	1.02	6	47200751003
80	92	0.315	0.16	24	20	1.07	6	47200801003
90	102	0.29	0.11	26	20	1.2	6	47200901003
101.5	113.5	0.195	0.1	28	20	1.04	6	47201001003
110	122	0.185	0.085	30	20	1.13	3, 6	47201101003
115	127	0.18	0.08	32	20	1.18	3, 6	47201151003
120	132	0.175	0.075	32	20	1.22	3, 6	47201201003
126.5	138.5	0.17	0.07	34	20	1.29	3, 6	47201251003
130	142	0.165	0.06	34	20	1.32	3, 6	47201301003
140	152	0.16	0.05	36	20	1.42	3, 6	47201401003
151.5	163.5	0.11	0.04	38	20	1.18	3, 6	47201501003
160	172	0.105	0.035	40	20	1.24	3, 6	47201601003
170	182	0.1	0.035	42	20	1.31	3, 6	47201701003
180	192	0.095	0.03	44	20	1.39	3, 6	47201801003
202.3	214.3	0.09	0.025	48	20	1.56	3, 6	47202001003
225	237	0.085	0.02	54	20	1.73	3, 6	47202251003
250	262	0.065	0.02	58	20	1.91	3, 6	47202501003
254	266	0.065	0.02	59	20	1.94	3, 6	47202541003
300	312	0.055	0.01	68	20	2.29	3, 6	47203001003
315	327	0.055	0.01	71	15	2.4	3, 6	47203151003
350	362	0.04	0.01	78	15	2.66	3, 6	47203501003
356	368	0.04	0.01	79	15	2.7	3, 6	47203561003
400	412	0.04	0.01	88	15	3.03	3, 6	47204001003
405	417	0.038	0.08	90	10	3.07	-	47204051003
450	462	0.035	0.005	98	10	3.41	3, 6	47204501003
500	512	0.03	0.005	108	10	3.78	3, 6	47205001003
550	562	0.025	0.005	118	10	4.15	-	47205501003
600	612	0.02	0.005	128	6	4.53	3	47206001003

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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