

CHEMICAL-RESISTANT

CP PTFE/HYP-INOX 472

PTFE/HYP-INOX double-layer clamp hose — anti-adhesive, up to +170 °C, chemical-resistant



Highly flexible double-layer clamp profile hose with PTFE lining and HYP (high-temperature polymer) outer layer, stainless steel clamp profile. Anti-adhesive surface and broad chemical resistance. Service up to +170 °C continuous. Designed for chemical industry where the medium is aggressive but temperature is moderate (lower than the 471 range's +260 °C). The HYP outer layer provides better mechanical durability than pure glass fibre reinforcement.

Media: Gas, Dust, Liquid

Temp: 0 °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	Grey 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	0 °C – 170 °C
Short-term peak	170 °C
Cut to length	Yes
Manufacturer SKU	4720000

Standards and compliance

REACH, RoHS

Dimensions and ordering

The hose is supplied in 25 standard sizes from inner Ø 50.5 mm to 500.0 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	47200500000
60	72	0.37	0.25	20	20	0.82	6	47200600000
64.5	76.5	0.355	0.23	22	20	0.88	6	47200650000
70	82	0.34	0.21	22	20	0.95	6	47200700000
75.6	87.6	0.325	0.18	24	20	1.02	6	47200750000
80	92	0.315	0.16	24	20	1.07	6	47200800000
90	102	0.29	0.11	26	20	1.2	6	47200900000
101.5	113.5	0.195	0.1	28	20	1.04	6	47201000000
110	122	0.185	0.085	30	20	1.13	3, 6	47201100000
120	132	0.175	0.075	32	20	1.22	3, 6	47201200000
126.5	138.5	0.17	0.07	34	20	1.29	3, 6	47201250000
140	152	0.16	0.05	36	20	1.42	3, 6	47201400000
151.5	163.5	0.11	0.04	38	20	1.18	3, 6	47201500000
160	172	0.105	0.035	40	20	1.24	3, 6	47201600000
170	182	0.1	0.035	42	20	1.31	3, 6	47201700000
180	192	0.095	0.03	44	20	1.39	3, 6	47201800000
202.3	214.3	0.09	0.025	48	20	1.56	3, 6	47202000000
225	237	0.085	0.02	54	20	1.73	3, 6	47202250000
250	262	0.065	0.02	58	20	1.91	3, 6	47202500000
280	292	0.06	0.015	65	20	2.14	3, 6	47202800000
315	327	0.055	0.01	71	15	2.4	3, 6	47203150000
325	337	0.055	0.01	74	15	2.47	3, 6	47203250000
350	362	0.04	0.01	78	15	2.66	3, 6	47203500000
400	412	0.04	0.01	88	15	3.03	3, 6	47204000000
500	512	0.03	0.005	108	10	3.78	3, 6	47205000000

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

Particulair

Højtoften 12
2690 Karlslunde, Denmark
CVR: 34129894

Phone: (+45) 70 23 12 03
E-mail: sales@particulair.com
Web: particulair.eu

Product page: particulair.eu/flexcore/en/chemical/cp-ptfe-hyp-inox-472/

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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.