

CHEMICAL-RESISTANT

CP PTFE-INOX 475 FOOD

PTFE food hose — up to +270 °C, extreme chemical resistance, for pharma and food



Highly flexible clamp profile hose with PTFE wall and stainless steel (INOX) clamp profile. Up to +270 °C peak, extreme chemical resistance and food-grade. The PTFE wall is the highest level of chemical resistance — practically resistant to all acids, bases and solvents. Food-grade per FDA 21 CFR 177.1550 and EU 10/2011 + EC 1935/2004 + German BfR XV guideline. The preferred hose for the most demanding food and pharmaceutical applications.

Media: Gas, Dust

Temp: -40 °C to 250 °C

✓ Cut to length

APPLICATIONS

- Pharmaceutical production with aggressive active ingredients
- Food production with chemical vapours
- Steam soaking at higher temperatures
- Vapour return systems with chemical vapours
- Powder management in pharma with PTFE compatibility

Technical specifications

Material	PTFE wall with stainless steel (INOX) clamp profile
Colour	White (PTFE)
Wall construction	Clamp profile with INOX, PTFE wall, compressible 4:1
Spiral material	stainless steel (INOX) clamp profile
Conveying media	Gas, Dust
Temperature range	-40 °C – 250 °C
Short-term peak	270 °C
Cut to length	Yes
Manufacturer SKU	4750000

Standards and compliance

fda-21-cfr-177-1550, EU 1935/2004, EU 10/2011, gmp-eu-2023-2006, REACH, RoHS

Dimensions and ordering

The hose is supplied in 33 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	0.27	18	15	0.52	6	47500500000
55	67	0.39	0.25	20	15	0.56	6	47500550000
60	72	0.37	0.22	20	15	0.6	3, 6	47500600000
64.5	76.5	0.355	0.2	22	15	0.64	6	47500650000
70	82	0.34	0.18	22	15	0.69	6	47500700000
75.6	87.6	0.325	0.16	24	15	0.75	6	47500750000
80	92	0.315	0.14	24	15	0.79	6	47500800000
90	102	0.29	0.1	26	15	0.88	6	47500900000
101.5	113.5	0.195	0.085	28	15	0.73	6	47501000000
110	122	0.185	0.075	30	15	0.79	3, 6	47501100000
120	132	0.175	0.065	32	15	0.86	3, 6	47501200000
126.5	138.5	0.17	0.06	34	15	0.9	3, 6	47501250000
126.5	138.5	0.17	0.06	34	15	0.9	-	47501270000
130	142	0.165	0.055	34	15	0.92	3, 6	47501300000
140	152	0.16	0.04	36	15	0.99	3, 6	47501400000
151.5	163.5	0.11	0.035	38	10	0.74	3, 6	47501500000
160	172	0.105	0.03	40	10	0.78	3, 6	47501600000
170	182	0.1	0.03	42	10	0.82	3, 6	47501700000
175	187	0.1	0.03	44	10	0.85	3, 6	47501750000
180	192	0.095	0.025	44	10	0.87	3, 6	47501800000
202.3	214.3	0.09	0.02	48	10	0.97	3, 6	47502000000
225	237	0.085	0.02	54	10	1.08	3, 6	47502250000
250	262	0.065	0.015	58	10	1.2	3, 6	47502500000
254	266	0.065	0.015	59	10	1.21	3, 6	47502540000
275	287	0.06	0.015	64	10	1.31	3, 6	47502750000
300	312	0.055	0.01	68	10	1.43	3, 6	47503000000
305	317	0.055	0.01	69	10	1.45	3, 6	47503050000
315	327	0.055	0.01	71	10	1.5	3, 6	47503150000
350	362	0.04	0.01	78	10	1.66	3, 6	47503500000
400	412	0.04	0.005	88	10	1.9	3, 6	47504000000
450	462	0.035	0.005	98	6	2.13	3, 6	47504500000
500	512	0.03	0.005	108	6	2.36	3, 6	47505000000

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.
600	612	0.02	0.005	128	6	2.83	3	47506000000

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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