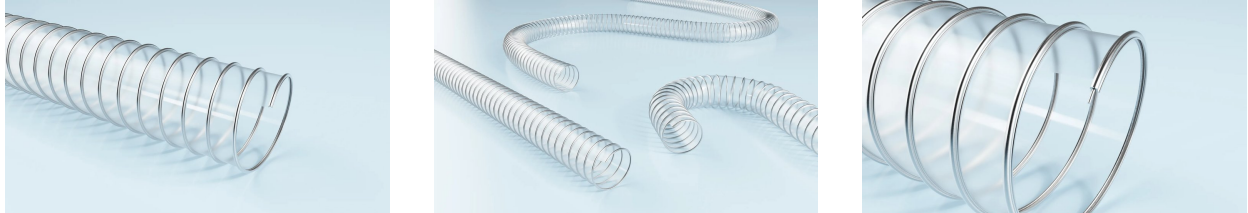


FOOD/PHARMA

CP PUR 455 FOOD

Food hose with clamp profile — galvanised steel spiral, for large-scale bulk conveying



Food-grade clamp-profile hose in polyurethane. The galvanised steel clamp profile provides high mechanical robustness and eases assembly with couplings. Built for large-scale bulk conveying of food and pharmaceutical products. The dimension range (Ø 50-1000 mm) is broader than most other food hoses, covering everything from smaller food production to large silo unloading systems.

Media: Gas, Dust

Temp: -40 °C to 90 °C

✓ Cut to length

APPLICATIONS

- Large-scale silo trucks with foods
- Industrial bulk transport of flour, sugar, feed
- Granulate conveying between silos
- Pneumatic conveyance over long distances
- Tablet presses in large pharmaceutical production
- Bulk-bag filling and discharging at industrial scale

Technical specifications

Material	Polyurethane (PUR), food-grade; clamp profile in galvanised steel
Colour	Transparent
Wall construction	Clamp profile with galvanised steel, food-grade PUR wall
Spiral material	galvanised steel clamp profile
Conveying media	Gas, Dust
Temperature range	-40 °C – 90 °C
Short-term peak	125 °C
Cut to length	Yes
Manufacturer SKU	4550000

Standards and compliance

EU 1935/2004, EU 10/2011, fda-21-cfr-177-2600, gmp-eu-2023-2006, REACH, RoHS

Dimensions and ordering

The hose is supplied in 58 standard sizes from inner Ø 50.5 mm to 1000.0 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	0.28	0.27	25	10	0.66	3, 6	45500500000
55	67	0.255	0.25	27	10	0.72	6	45500550000
60	72	0.235	0.22	28	10	0.77	6	45500600000
64.5	76.5	0.215	0.2	30	10	0.83	6	45500650000
70	82	0.2	0.18	31	10	0.89	6	45500700000
80	92	0.175	0.14	34	10	1.01	3, 6	45500800000
90	102	0.155	0.1	37	10	1.13	6	45500900000
101.5	113.5	0.14	0.085	40	15	0.99	6	45501000000
101.5	113.5	-	-	-	15	0.99	-	45501020000
110	122	0.13	0.075	43	15	1.06	3, 6	45501100000
115	127	0.125	0.07	45	15	1.11	3, 6	45501150000
120	132	0.12	0.065	46	15	1.16	3, 6	45501200000
126.5	138.5	0.11	0.06	48	15	1.22	3, 6	45501250000
130	142	0.11	0.055	49	15	1.25	3, 6	45501300000
140	152	0.1	0.04	52	15	1.34	3, 6	45501400000
151.5	163.5	0.095	0.035	55	15	1.44	3, 6	45501500000
155	167	-	-	-	15	1.48	-	45501550000
160	172	0.09	0.03	58	15	1.52	3, 6	45501600000
170	182	0.08	0.03	61	15	1.61	3, 6	45501700000
180	192	0.08	0.025	64	15	1.71	3, 6	45501800000
202.3	214.3	0.07	0.02	70	15	1.91	3, 6	45502000000
205	217	-	-	-	15	1.94	-	45502050000
210	222	-	-	-	15	1.98	-	45502100000
215	227	0.065	0.02	75	15	2.03	3, 6	45502150000
225	237	0.06	0.02	78	15	2.12	3, 6	45502250000
228.5	240.5	0.06	0.019	79	15	2.15	3, 6	45502280000
250	262	0.055	0.015	85	15	2.35	3, 6	45502500000
254	266	0.05	0.015	87	15	2.38	3, 6	45502540000
255	267	-	-	-	15	2.39	-	45502550000
260	274	-	-	-	15	2.45	-	45502600000
275	287	0.05	0.015	93	15	2.58	3, 6	45502750000
280	292	0.045	0.015	95	15	2.62	3, 6	45502800000

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.
300	312	0.045	0.01	100	15	2.81	3, 6	45503000000
305	317	0.045	0.01	102	15	2.85	3, 6	45503050000
315	327	0.045	0.01	105	15	2.94	3, 6	45503150000
325	337	0.045	0.01	107	15	3.04	3, 6	45503250000
330	342	0.045	0.01	109	15	3.08	3, 6	45503300000
350	362	0.04	0.01	115	15	3.27	3, 6	45503500000
356	368	0.04	0.01	117	15	3.32	3, 6	45503560000
375	387	0.04	0.01	123	15	3.49	3, 6	45503750000
380	392	-	-	-	15	3.54	-	45503800000
400	412	0.035	0.005	130	15	3.72	3, 6	45504000000
406	418	0.03	0.005	132	15	3.78	3, 6	45504060000
406	417	-	-	-	15	3.77	-	45504050000
410	422	-	-	-	15	3.82	-	45504100000
450	462	0.03	0.005	145	15	4.18	3, 6	45504500000
457	469	0.03	0.005	148	10	4.25	3, 6	45504570000
470	482	-	-	-	6	4.37	-	45504700000
500	512	0.03	0.005	160	10	4.64	3, 6	45505000000
508	520	0.03	0.005	163	10	4.71	3, 6	45505080000
560	572	-	-	-	10	5.19	-	45505600000
600	612	0.025	0.005	190	10	5.56	3, 6	45506000000
700	712	0.02	0.002	-	6	6.48	3, 6	45507000000
750	762	0.02	0.001	235	6	6.93	3, 6	45507500000
800	812	0.02	0.001	-	6	7.39	3, 6	45508000000
900	912	0.015	0.001	280	6	8.31	3, 6	45509000000
960	972	-	-	-	6	8.86	-	45509600000
1000	1012	0.015	0.001	310	6	9.23	3, 6	45510000000

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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