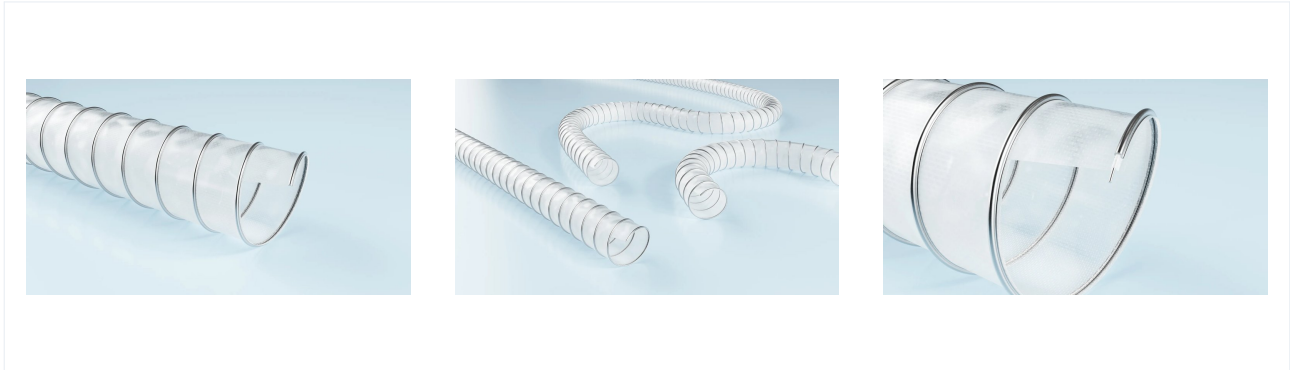


CHEMICAL-RESISTANT

CP PE 457

Highly flexible PE clamp profile hose — extreme chemical resistance for large dimensions



Highly flexible clamp profile hose in polyethylene (PE) — extreme chemical resistance makes it suitable for transport of aggressive gases, dust and powders in the chemical industry and construction. Galvanised steel clamp profile gives mechanical robustness. The PE wall resists most acids, bases and solvents at cool temperatures.

Media: Gas, Dust

Temp: -35 °C to 70 °C

✓ Cut to length

APPLICATIONS

- Chemical vapour and powder extraction
- Asbestos sanitation
- Spray mist handling in chemical processes
- Vapour return systems
- Steam soaking in chemical industry
- Powder management with chemical media

Technical specifications

Material	Polyethylene (PE) with galvanised steel clamp profile
Colour	Black/grey
Wall construction	Clamp profile with galvanised steel, PE wall, compressible 4:1
Spiral material	galvanised steel clamp profile
Conveying media	Gas, Dust
Temperature range	-35 °C – 70 °C
Short-term peak	80 °C
Cut to length	Yes
Manufacturer SKU	4570000

Standards and compliance

REACH, RoHS

Dimensions and ordering

The hose is supplied in 48 standard sizes from inner Ø 40.0 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.
40	52	0.49	0.27	-	6	0.36	-	45700400000
50.5	62.5	0.49	0.27	18	10	0.44	6	45700500000
55	67	0.46	0.25	20	10	0.47	6	45700550000
60	72	0.44	0.22	20	10	0.51	6	45700600000
63.5	76.5	0.42	0.2	22	10	0.54	6	45700650000
70	82	0.4	0.18	22	10	0.59	6	45700700000
75.6	87.6	0.38	0.16	24	10	0.63	6	45700750000
80	92	0.365	0.14	24	10	0.67	3, 6	45700800000
90	102	0.34	0.1	26	10	0.75	6	45700900000
101.5	113.5	0.225	0.085	28	10	0.54	3, 6	45701000000
110	122	0.21	0.075	30	10	0.58	3, 6	45701100000
115	127	0.205	0.07	32	10	0.61	3, 6	45701150000
120	132	0.2	0.065	32	10	0.64	3, 6	45701200000
126.5	133.5	0.195	0.06	34	10	0.66	3, 6	45701250000
130	142	0.18	0.055	34	10	0.69	3, 6	45701300000
140	152	0.18	0.04	36	10	0.74	3, 6	45701400000
151.5	163.5	0.12	0.035	38	10	0.79	3, 6	45701500000
160	172	0.115	0.03	40	10	0.84	3, 6	45701600000
165	177	0.11	0.03	41	10	0.86	3, 6	45701650000
170	182	0.11	0.03	42	10	0.89	3, 6	45701700000
175	187	0.11	0.03	44	10	0.91	3, 6	45701750000
180	192	0.11	0.025	44	10	0.94	3, 6	45701800000
202.3	214.3	0.1	0.02	48	10	0.81	3, 6	45702000000
225	237	0.09	0.02	54	10	0.89	3, 6	45702250000
228.5	240.5	0.08	0.02	54	10	0.91	3, 6	45702280000
250	262	0.07	0.015	58	10	0.99	3, 6	45702500000
254	266	0.065	0.015	59	10	1.01	3, 6	45702540000
275	287	0.06	0.015	64	10	1.09	3, 6	45702750000
280	293	0.06	0.015	65	10	1.11	3, 6	45702800000
300	312	0.06	0.01	68	10	1.18	3, 6	45703000000
305	317	0.055	0.01	69	10	1.2	3, 6	45703050000
310	322	-	-	-	10	1.22	-	45703100000

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.
315	327	0.05	0.01	71	10	1.24	3, 6	45703150000
325	337	0.045	0.01	74	10	1.28	3, 6	45703250000
350	362	0.045	0.01	78	10	1.38	3, 6	45703500000
400	412	0.04	0.005	88	10	1.57	3, 6	45704000000
406	418	0.035	0.005	89	10	1.59	3, 6	45704060000
450	462	0.035	0.005	98	10	1.76	3, 6	45704500000
500	512	0.025	0.005	108	10	1.96	3, 6	45705000000
508	520	0.025	0.005	110	6	1.99	3, 6	45705080000
550	562	0.025	0.005	-	6	2.15	-	45705500000
600	612	0.025	0.005	128	12	2.35	3, 6	45706000000
630	642	0.02	0.002	-	6	2.46	-	45706300000
700	712	0.02	0.002	148	6	2.73	3, 6	45707000000
720	732	0.02	0.001	-	6	2.81	-	45707200000
750	762	0.02	0.001	158	6	2.93	3, 6	45707500000
800	812	0.015	0.001	168	6	3.12	3, 6	45708000000
1000	1012	0.015	0.001	208	6	3.89	3, 6	45710000000

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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