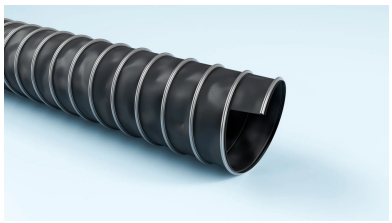
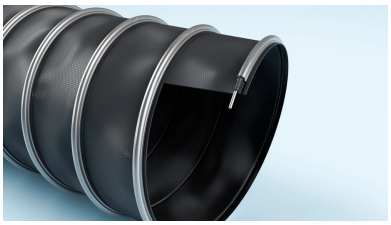
CHEMICAL-RESISTANT

CP HYP 450

Vibration-resistant HYP clamp profile hose — chemical-resistant, heat-resistant up to +170 °C





Highly flexible clamp profile hose in HYP (Hypalon, chlorosulfonated polyethylene), heat-resistant up to +170 °C, vibration-resistant and chemical-resistant. Designed for extraction of hot and cold gases as well as vapour and aerosol handling. The HYP formulation combines chemical resistance with higher temperature tolerance than PE-based hoses.

Media: Gas, Dust

Temp: -40 °C to 150 °C

✓ Cut to length

APPLICATIONS

- Extraction of hot and cold chemical vapours
- Aerosol handling at higher temperatures
- Oil mist extraction on machinery
- Steam soaking in chemical industry
- Vapour return at high temperature
- Gas transport in hot processes

Technical specifications

Material	Hypalon (chlorosulfonated PE) with galvanised steel clamp profile
Colour	White
Wall construction	Clamp profile with Hypalon wall, vibration-resistant, compressible 4:1
Spiral material	galvanised steel clamp profile
Conveying media	Gas, Dust
Temperature range	-40 °C – 150 °C
Short-term peak	170 °C
Cut to length	Yes
Manufacturer SKU	4500000

Standards and compliance

REACH, RoHS

Dimensions and ordering

The hose is supplied in 67 standard sizes from inner Ø 38.0 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.
38	50	0.785	0.45	21	20	0.57	3, 6	45000380000
40	52	0.765	0.44	22	20	0.59	6	45000400000
45	57	-	-	-	20	0.66	-	45000450000
50.5	62.5	0.63	0.38	25	20	0.63	3, 6	45000500000
55	67	0.6	0.35	27	20	0.69	6	45000550000
60	72	0.57	0.32	28	20	0.74	6	45000600000
64.5	76.5	0.545	0.29	30	20	0.79	6	45000650000
70	82	0.525	0.26	31	20	0.85	6	45000700000
75.6	87.6	0.5	0.23	33	20	0.92	6	45000750000
75.6	87.6	-	-	-	20	0.92	-	45000760000
80	92	0.485	0.2	34	20	0.97	6	45000800000
90	102	0.45	0.14	37	20	1.08	6	45000900000
101.5	113.5	0.3	0.12	28	20	0.93	6	45001000000
105	117	-	-	-	20	0.96	-	45001050000
110	122	0.285	0.105	30	20	1	3, 6	45001100000
115	127	0.275	0.098	32	20	1.04	3, 6	45001150000
120	132	0.27	0.09	32	20	1.09	3, 6	45001200000
126.5	138.5	0.26	0.085	34	20	1.14	3, 6	45001250000
130	142	0.255	0.075	34	20	1.17	3, 6	45001300000
140	152	0.245	0.06	36	20	1.26	3, 6	45001400000
151.5	163.5	0.165	0.05	38	20	0.98	3, 6	45001500000
155	167	-	-	-	20	1.01	-	45001550000
160	172	0.16	0.045	40	20	1.04	3, 6	45001600000
165	177	0.155	0.04	41	20	1.07	3, 6	45001650000
170	182	0.155	0.04	42	20	1.1	3, 6	45001700000
175	187	0.15	0.04	44	20	1.13	3, 6	45001750000
180	192	0.15	0.04	44	20	1.16	3, 6	45001800000
185	197	-	-	-	20	1.19	-	45001850000
202.3	214.3	0.14	0.03	48	20	1.3	3, 6	45002000000
202.3	214.3	-	-	-	20	1.3	-	45002030000
215	227	0.135	0.03	52	20	1.38	3, 6	45002150000
225	237	0.13	0.025	54	20	1.44	3, 6	45002250000

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.
228.5	240.5	0.13	0.025	57	20	1.47	3, 6	45002280000
230	242	-	-	-	20	1.48	-	45002300000
250	262	0.1	0.025	58	20	1.6	3, 6	45002500000
254	266	0.095	0.025	60	20	1.63	3, 6	45002540000
275	287	0.09	0.02	64	20	1.76	3, 6	45002750000
280	292	0.09	0.02	65	20	1.79	3, 6	45002800000
300	312	0.085	0.015	68	20	1.91	3, 6	45003000000
305	317	0.085	0.015	69	20	1.94	3, 6	45003050000
315	327	0.085	0.015	71	20	2.01	3, 6	45003150000
325	337	0.08	0.015	74	20	2.07	3, 6	45003250000
330	342	0.08	0.015	75	20	2.1	3, 6	45003300000
350	362	0.065	0.015	78	20	2.23	3, 6	45003500000
355	367	-	-	-	20	2.26	-	45003550000
360	372	-	-	-	20	2.29	-	45003600000
400	412	0.06	0.01	88	20	2.54	3, 6	45004000000
406	418	0.055	0.01	90	20	2.58	3, 6	45004060000
410	422	-	-	-	20	2.6	-	45004100000
415	427	-	-	-	20	2.63	-	45004150000
450	462	0.055	0.01	98	20	2.85	3, 6	45004500000
457	469	0.05	0.01	100	15	2.9	3, 6	45004570000
470	482	-	-	-	15	2.98	-	45004700000
500	512	0.05	0.005	108	15	3.16	3, 6	45005000000
508	520	0.035	0.005	110	10	3.21	3	45005080000
550	562	-	-	-	10	3.48	-	45005500000
560	572	-	-	-	10	3.54	-	45005600000
600	612	0.03	0.005	128	10	3.79	3	45006000000
610	622	0.03	0.005	130	6	3.85	3	45006100000
615	627	-	-	-	6	3.88	-	45006150000
630	642	-	-	-	6	3.98	-	45006300000
635	647	-	-	-	6	4.01	-	45006350000
650	662	-	-	-	6	4.1	-	45006500000
700	712	0.025	0.002	148	6	4.42	3	45007000000
800	812	0.025	0.002	168	6	5.04	3	45008000000
900	912	0.02	0.001	188	6	5.67	3	45009000000
1000	1012	0.02	0.001	208	6	6.29	3	45010000000

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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