

CP PE 457 EC

Electrically conductive polyethylene clamp profile hose (clip hose)

Applications:
flexible hose/ ducting for gases and for dust, powder, fibers
extraction arm
chemical industry: chemical vapors, vapor return hose at loading arm, paint steam, spray mist extraction
explosion hazard area

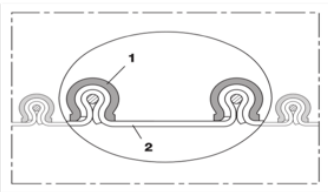
Properties:
abrasion protection via external clamp profile
secure clamping of the wall within the clamp profile
highly flexible + compressible 4:1
good resistance to alkalis and acids
extremely good resistance to chemicals
electrically conductive wall: electrical and surface resistance <10³ Ω
in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dusts (Zone 22 inside), for use in zone 1 and 2 (gases), for use in Zone 0 (gases)

conforms to RoHS guideline

Temperature range:
-30°F to 175°F

Design, material:
CP construction
1. clamp profile supporting spiral: galvanized steel
2. wall: electrically conductive polyethylene (PE)

Delivery variants:
further diameters and lengths available on request
black (standard)
stainless steel (INOX) clamp profile



I.D. In/mm	O.D. in	Pressure psi	Vacuum DIN inHg	Bending Radius in	Weight lbs./ft	Stock length ft	Order No.	Order No.	Article Name	suitable fo
1.5 / 38	1.97	8.40	9.15	0.55	0.325	25	457-0038-1003	45700381003-0000002500	CP PE 457 EC	Yes
2 / 50-51	2.44	7.10	7.97	0.71	0.405	25	457-0050-1003	45700501003-0000002500	CP PE 457 EC	Yes
2.5 / 63-65	3.03	6.10	5.91	0.85	0.510	25	457-0065-1003	45700651003-0000002500	CP PE 457 EC	Yes
3 / 75-76	3.43	5.50	4.72	0.93	0.580	25	457-0075-1003	45700751003-0000002500	CP PE 457 EC	Yes
3.5 / 89-90	4.00	4.95	2.95	1.02	0.685	25	457-0090-1003	45700901003-0000002500	CP PE 457 EC	Yes
4 / 100-102	4.41	3.25	2.51	1.10	0.550	25	457-0100-1003	45701001003-0000002500	CP PE 457 EC	Yes
4.5 / 114-115	5.00	2.95	2.07	1.24	0.630	12.5	457-0115-1003	45701151003-0000001250	CP PE 457 EC	Yes
4.5 / 114-115	5.00	2.95	2.07	1.24	0.630	25	457-0115-1003	45701151003-0000002500	CP PE 457 EC	Yes
5 / 125-127	5.39	2.85	1.77	1.32	0.670	12.5	457-0125-1003	45701251003-0000001250	CP PE 457 EC	Yes
5 / 125-127	5.39	2.85	1.77	1.32	0.670	25	457-0125-1003	45701251003-0000002500	CP PE 457 EC	Yes
5.5 / 140	6.00	2.60	1.18	1.42	0.765	12.5	457-0140-1003	45701401003-0000001250	CP PE 457 EC	Yes
5.5 / 140	6.00	2.60	1.18	1.42	0.765	25	457-0140-1003	45701401003-0000002500	CP PE 457 EC	Yes
6 / 150-152	6.38	1.75	1.03	1.50	0.550	12.5	457-0150-1003	45701501003-0000001250	CP PE 457 EC	Yes
6 / 150-152	6.38	1.75	1.03	1.50	0.550	25	457-0150-1003	45701501003-0000002500	CP PE 457 EC	Yes
7 / 178-180	7.56	1.60	0.74	1.73	0.630	12.5	457-0180-1003	45701801003-0000001250	CP PE 457 EC	Yes
7 / 178-180	7.56	1.60	0.74	1.73	0.630	25	457-0180-1003	45701801003-0000002500	CP PE 457 EC	Yes
8 / 200-203	8.35	1.45	0.59	1.89	0.540	12.5	457-0200-1003	45702001003-0000001250	CP PE 457 EC	Yes
8 / 200-203	8.35	1.45	0.59	1.89	0.540	25	457-0200-1003	45702001003-0000002500	CP PE 457 EC	Yes
9 / 228-229	9.45	1.15	0.59	2.13	0.605	12.5	457-0228-1003	45702281003-0000001250	CP PE 457 EC	Yes
9 / 228-229	9.45	1.15	0.59	2.13	0.605	25	457-0228-1003	45702281003-0000002500	CP PE 457 EC	Yes
10 / 254	10.47	0.95	0.44	2.32	0.675	12.5	457-0254-1003	45702541003-0000001250	CP PE 457 EC	Yes
10 / 254	10.47	0.95	0.44	2.32	0.675	25	457-0254-1003	45702541003-0000002500	CP PE 457 EC	Yes
12 / 305	12.48	0.80	0.30	2.72	0.810	12.5	457-0305-1003	45703051003-0000001250	CP PE 457 EC	Yes
12 / 305	12.48	0.80	0.30	2.72	0.810	25	457-0305-1003	45703051003-0000002500	CP PE 457 EC	Yes
14 / 356	14.49	0.60	0.30	3.11	0.945	12.5	457-0356-1003	45703561003-0000001250	CP PE 457 EC	Yes
14 / 356	14.49	0.60	0.30	3.11	0.945	25	457-0356-1003	45703561003-0000002500	CP PE 457 EC	Yes
16 / 405-406	16.46	0.50	0.15	3.50	1.070	12.5	457-0406-1003	45704061003-0000001250	CP PE 457 EC	Yes
16 / 405-406	16.46	0.50	0.15	3.50	1.070	25	457-0406-1003	45704061003-0000002500	CP PE 457 EC	Yes
18 / 457	18.46	0.50	0.15	3.92	1.205	12.5	457-0457-1003	45704571003-0000001250	CP PE 457 EC	Yes

18 / 457	18.46	0.50	0.15	3.92	1.205	25	457-0457-1003	45704571003-0000002500	CP PE 457 EC	Yes
20 / 508	20.47	0.35	0.15	4.31	1.335	12.5	457-0508-1003	45705081003-0000001250	CP PE 457 EC	Yes
20 / 508	20.47	0.35	0.15	4.31	1.335	25	457-0508-1003	45705081003-0000002500	CP PE 457 EC	Yes
24 / 610	24.49	0.35	0.15	5.12	1.615	12.5	457-0610-1003	45706101003-0000001250	CP PE 457 EC	Yes
24 / 610	24.49	0.35	0.15	5.12	1.615	25	457-0610-1003	45706101003-0000002500	CP PE 457 EC	Yes
28 / 712	28.50	0.30	0.03	5.93	1.870	12.5	457-0712-1003	45707121003-0000001250	CP PE 457 EC	Yes
28 / 712	28.50	0.30	0.03	5.93	1.870	25	457-0712-1003	45707121003-0000002500	CP PE 457 EC	Yes
32 / 813-815	32.56	0.20	0.03	6.73	2.135	12.5	457-0815-1003	45708151003-0000001250	CP PE 457 EC	Yes
32 / 813-815	32.56	0.20	0.03	6.73	2.135	25	457-0815-1003	45708151003-0000002500	CP PE 457 EC	Yes
36 / 915	36.50	0.20	0.03	7.52	2.400	12.5	457-0915-1003	45709151003-0000001250	CP PE 457 EC	Yes
36 / 915	36.50	0.20	0.03	7.52	2.400	25	457-0915-1003	45709151003-0000002500	CP PE 457 EC	Yes
40 / 1016	40.47	0.20	0.03	8.31	2.660	12.5	457-1016-1003	45710161003-0000001250	CP PE 457 EC	Yes
40 / 1016	40.47	0.20	0.03	8.31	2.660	25	457-1016-1003	45710161003-0000002500	CP PE 457 EC	Yes