



Electrically conductive clamp profile hose (clip hose), (up to +210 °C)



Application

- chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction
- flexible hose/ ducting for hot and cold gases and for dust, powder, fibres
- explosion hazard area
- bellows, compensators

Properties

- abrasion protection via external clamp profile
- secure clamping of the wall within the clamp profile
- highly flexible + compressible 4:1

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- very good heat resistance
- good resistance to oil, gasoline and chemicals
- good resistance to alkalis and acids
- electrically conductive wall: electrical and surface resistance <math><10^4\Omega</math> (according to NFPA 652 <math><10^6\Omega</math>)
- 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
- REACH according to --> Technology / Technical Information / REACH

Temperature Range

- -20 °C to 210 °C

Design

- CP construction
- clamp profile supporting spiral: galvanised steel
- wall: VITON® coated polyester fabric
- VITON® is a registered trademark of DuPont.

Delivery variants

- further diameters and lengths available on request

I.D.	outer Ø	Pressure	Vacuum	Bending Radius	Weight	Dimensions in Stock	Order No.
(in / mm)	(mm)	(bar)	(bar)	(mm)	(kg/m)	(m)	
1,5 / 38	50.00	0,785	0,450	21.00	0.48	6	459-0038-0000
- / 40	52.00	0,765	0,440	22.00	0.53	6	459-0040-0000
2 / 50-51	62.00	0,630	0,380	25.00	0.64	6	459-0050-0000
- / 55	67.00	0,600	0,350	27.00	0.70	6	459-0055-0000
2,36 / 60	72.00	0,570	0,320	28.00	0.76	6	459-0060-0000
2,5 / 63-65	77.00	0,545	0,290	30.00	0.81	6	459-0065-0000
- / 70	82.00	0,525	0,260	31.00	0.87	6	459-0070-0000
3 / 75-76	87.00	0,500	0,230	33.00	0.93	6	459-0075-0000
- / 80	92.00	0,485	0,200	34.00	0.98	6	459-0080-0000
3,5 / 89-90	102.00	0,450	0,140	37.00	1.10	6	459-0090-0000
4 / 100-102	112.00	0,300	0,120	28.00	0.90	6	459-0100-0000
- / 110	122.00	0,285	0,105	30.00	0.98	3 6	459-0110-0000
4,5 / 114-115	127.00	0,275	0,097	32.00	1.03	3 6	459-0115-0000
4,72 / 120	132.00	0,270	0,090	32.00	1.07	3 6	459-0120-0000
5 / 125-127	137.00	0,260	0,085	34.00	1.11	3 6	459-0125-0000
- / 130	142.00	0,255	0,075	34.00	1.15	3 6	459-0130-0000
5,5 / 140	152.00	0,245	0,060	36.00	1.23	3 6	459-0140-0000
6 / 150-152	162.00	0,165	0,050	38.00	0.88	3 6	459-0150-0000
6,3 / 160	172.00	0,160	0,045	40.00	0.93	3 6	459-0160-0000
6,5 / 165	177.00	0,155	0,045	41.00	0.96	3 6	459-0165-0000
- / 170	182.00	0,155	0,040	42.00	0.99	3 6	459-0170-0000
- / 175	187.00	0,150	0,040	44.00	1.02	3 6	459-0175-0000
7 / 178-180	192.00	0,150	0,040	44.00	1.04	3 6	459-0180-0000

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(in / mm)	(mm)	(bar)	(bar)	(mm)	(kg/m)	(m)	
8 / 200-203	212.00	0,140	0,030	48.00	1.16	3 6	459-0200-0000
- / 215	227.00	0,135	0,030	52.00	1.24	3 6	459-0215-0000
- / 225	237.00	0,130	0,025	54.00	1.30	3 6	459-0225-0000
9 / 228-229	240.00	0,120	0,025	54.00	1.32	3 6	459-0228-0000
- / 250	262.00	0,100	0,025	58.00	1.44	3 6	459-0250-0000
10 / 254	266.00	0,095	0,025	59.00	1.46	3 6	459-0254-0000
- / 275	287.00	0,090	0,020	64.00	1.58	3 6	459-0275-0000
11 / 280	292.00	0,090	0,020	65.00	1.61	3 6	459-0280-0000
- / 300	312.00	0,085	0,015	68.00	1.72	3 6	459-0300-0000
12 / 305	317.00	0,085	0,015	69.00	1.74	3 6	459-0305-0000
- / 315	327.00	0,085	0,015	71.00	1.78	3 6	459-0315-0000
- / 325	337.00	0,080	0,015	74.00	1.85	3 6	459-0325-0000
13 / 330	342.00	0,080	0,015	75.00	1.88	3 6	459-0330-0000
- / 350	362.00	0,065	0,015	78.00	2.00	3 6	459-0350-0000
14 / 356	368.00	0,065	0,015	79.00	2.03	3 6	459-0356-0000
- / 375	387.00	0,060	0,010	83.00	2.13	3 6	459-0375-0000
- / 400	412.00	0,060	0,010	88.00	2.28	3 6	459-0400-0000
16 / 405-406	418.00	0,060	0,010	89.00	2.32	3 6	459-0406-0000
- / 450	462.00	0,055	0,010	98.00	2.56	3 6	459-0450-0000
18 / 457	469.00	0,050	0,010	100.00	2.60	3 6	459-0457-0000
- / 500	512.00	0,050	0,005	108.00	2.84	3 6	459-0500-0000
20 / 508	520.00	0,035	0,005	110.00	2.89	3 6	459-0508-0000
- / 600	612.00	0,030	0,005	128.00	3.40	3	459-0600-0000
24 / 610	622.00	0,030	0,005	130.00	3.46	3	459-0610-0000
- / 700	712.00	0,025	0,002	148.00	3.96	3	459-0700-0000
28 / 712	724.00	0,025	0,002	151.00	4.03	3	459-0712-0000
- / 750	762.00	0,025	0,002	158.00	4.24	3	459-0750-0000
- / 800	812.00	0,025	0,002	168.00	4.52	3	459-0800-0000
32 / 813-815	827.00	0,025	0,001	171.00	4.61	3	459-0815-0000
- / 900	912.00	0,020	0,001	188.00	5.09	3	459-0900-0000
36 / 915	927.00	0,020	0,001	191.00	5.18	3	459-0915-0000
- / 1000	1012.00	0,020	0,001	208.00	5.65	3	459-1000-0000
40 / 1016	1028.00	0,020	0,001	211.00	5.74	3	459-1016-0000

Accessories



CONNECT 228



CONNECT 270-271



CLAMP 213



CLAMP 212



CLAMP 217