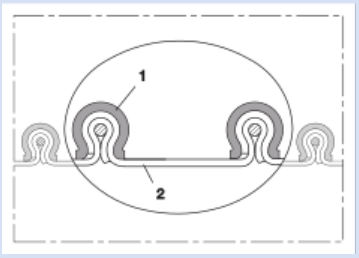
CP VITON® 459 EC





Electrically conductive clamp profile hose (clip hose), (up to +410 °F)

Applications
- chemical industry: chemical vapors, vapor return hose at loading arm, paint steam, spray mist extraction
- flexible hose/ ducting for hot and cold gases and for dust, powder, fibers
- 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
- very good heat resistance
- good resistance to oil, gasoline, and chemicals
- good resistance to alkalis and acids
- electrically conductive wall: electrical and surface resistance <$10^4\Omega$ (according to NFPA 652 <$10^6\Omega$)
- 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
- -5 °F to 410 °F

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. (in / mm)	outer Ø (in)	Pressure (psi)	Vacuum (inHG)	Bending radius (in)	Weight (lb/ft)	Dimensions in Stock (ft)	Order No.
1,5 / 38	1.969	11.386	13.289	0.827	0.323	**25**	459-0038-0000
- / 40	2.047	11.096	12.993	0.866	0.356	-	459-0040-0000
2 / 50-51	2.441	9.138	11.221	0.984	0.430	**25**	459-0050-0000
- / 55	2.638	8.702	10.336	1.063	0.470	**25**	459-0055-0000
2,36 / 60	2.835	8.267	9.450	1.102	0.511	-	459-0060-0000
2,5 / 63-65	3.031	7.905	8.564	1.181	0.544	**25**	459-0065-0000
- / 70	3.228	7.615	7.678	1.220	0.585	**25**	459-0070-0000
3 / 75-76	3.425	7.252	6.792	1.299	0.625	**25**	459-0075-0000
- / 80	3.622	7.034	5.906	1.339	0.659	-	459-0080-0000
3,5 / 89-90	4.016	6.527	4.134	1.457	0.739	**25**	459-0090-0000
4 / 100-102	4.409	4.351	3.544	1.102	0.605	**25**	459-0100-0000
- / 110	4.803	4.134	3.101	1.181	0.659	-	459-0110-0000
4,5 / 114-115	5.000	3.989	2.864	1.260	0.692	**12.5 25**	459-0115-0000
4,72 / 120	5.197	3.916	2.658	1.260	0.719	-	459-0120-0000
5 / 125-127	5.394	3.771	2.510	1.339	0.746	**12.5 25**	459-0125-0000
5,5 / 140	5.984	3.553	1.772	1.417	0.827	**12.5 25**	459-0140-0000
6 / 150-152	6.378	2.393	1.477	1.496	0.591	**12.5 25**	459-0150-0000
6,3 / 160	6.772	2.321	1.329	1.575	0.625	-	459-0160-0000
6,5 / 165	6.969	2.248	1.329	1.614	0.645	**12.5 25**	459-0165-0000
- / 170	7.165	2.248	1.181	1.654	0.665	-	459-0170-0000
- / 175	7.362	2.176	1.181	1.732	0.685	**12.5 25**	459-0175-0000
7 / 178-180	7.559	2.176	1.181	1.732	0.699	**12.5 25**	459-0180-0000
8 / 200-203	8.346	2.031	0.886	1.890	0.780	**12.5 25**	459-0200-0000
- / 215	8.937	1.958	0.886	2.047	0.833	**12.5 25**	459-0215-0000
- / 225	9.331	1.886	0.738	2.126	0.874	-	459-0225-0000

Positive and negative pressure ratings are the recommended maximum operating values. Products can be manufactured to meet higher operating values upon request. The bend radius is calculated from the center of the hose in an arched position. Additional information at www.norres.com/us/technology/. NORRES reserves the right to modify technical data at any time. Technical data based on tests at 68 °F and are approx. values. Proper use and maintenance of NORRES hoses is the sole responsibility of purchaser and ultimate user of the product. The individual conditions, applications and the number of variables make firm recommendations technically impossible. This information is intended as a general guide only.

2026-23

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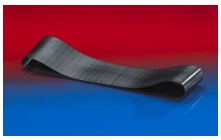
9 / 228-229	9.449	1.740	0.738	2.126	0.887	**12.5 25**	459-0228-0000
- / 250	10.315	1.450	0.738	2.283	0.968	-	459-0250-0000
10 / 254	10.472	1.378	0.738	2.323	0.981	**12.5 25**	459-0254-0000
- / 300	12.283	1.233	0.443	2.677	1.156	-	459-0300-0000
12 / 305	12.480	1.233	0.443	2.717	1.169	**12.5 25**	459-0305-0000
- / 315	12.874	1.233	0.443	2.795	1.196	**12.5 25**	459-0315-0000
- / 325	13.268	1.160	0.443	2.913	1.243	**12.5 25**	459-0325-0000
- / 350	14.252	0.943	0.443	3.071	1.344	-	459-0350-0000
14 / 356	14.488	0.943	0.443	3.110	1.364	**12.5 25**	459-0356-0000
- / 400	16.220	0.870	0.295	3.465	1.532	-	459-0400-0000
16 / 405-406	16.457	0.870	0.295	3.504	1.559	**12.5 25**	459-0406-0000
- / 450	18.189	0.798	0.295	3.858	1.720	-	459-0450-0000
18 / 457	18.465	0.725	0.295	3.937	1.747	**12.5 25**	459-0457-0000
- / 500	20.157	0.725	0.148	4.252	1.909	-	459-0500-0000
- / 600	24.094	0.435	0.148	5.039	2.285	-	459-0600-0000

Accessories


CONNECT 228


CONNECT 270-271


CLAMP 217


CLAMP 212


CLAMP 213

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