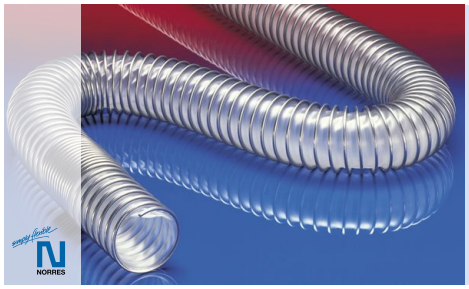
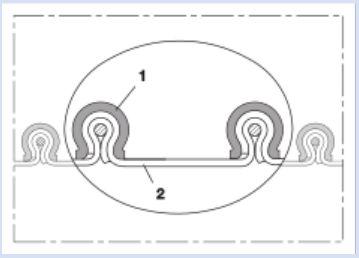
CP PUR 455 FOOD





Food hose and pharmaceutical hose, super-light weight

Applications
- flexible hose/ ducting for gases and for abrasive dust, powder, fibers
- food industry, pharmaceutical industry: food, pharmaceutical
- conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods
- mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill
- bellows, compensators

Properties
- abrasion protection via external clamp profile
- secure clamping of the wall within the clamp profile
- highly flexible + compressible 5:1
- abrasion-resistant
- Food grade wall, complies with: EU-Directive 10/2011, EC 1935/2004 and EU 2015/174, FDA 21 CFR 177.2600
- odorless and tasteless
- microbe and hydrolysis resistant
- good resistance to oil, gasoline, and chemicals
- very good low temperature flexibility
- manufacturing process acc. GMP EC 2023/2006
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

Temperature range
- -40 °F to 195 °F
- short time to 255 °F

Design
- CP construction
- Clamp profile supporting spiral: galvanised steel
- wall: special premium ether-polyurethane (Pre-PUR®)

Delivery variants
- further diameters and lengths available on request
- transparent (standard)
- stainless steel (INOX) clamp profile
- double-layer

I.D.	outer Ø	Pressure	Vacuum	Bending radius	Weight	Dimensions in Stock	Production lengths	Order No.
(in / mm)	(in)	(psi)	(inHG)	(in)	(lb/ft)	(ft)	(ft)	
2 / 50-51	2.441	4.061	7.973	0.984	0.444	**25**	-	455-0050-0000
- / 55	2.638	3.699	7.383	1.063	0.484	**-**	25	455-0055-0000
2,36 / 60	2.835	3.408	6.497	1.102	0.517	**-**	25	455-0060-0000
2,5 / 63-65	3.031	3.118	5.906	1.181	0.558	**25**	-	455-0065-0000
- / 80	3.622	2.538	4.134	1.339	0.679	**-**	25	455-0080-0000
3,5 / 89-90	4.016	2.248	2.953	1.457	0.759	**25**	-	455-0090-0000
4 / 100-102	4.409	2.031	2.510	1.575	0.719	**25**	-	455-0100-0000
- / 110	4.803	1.886	2.215	1.693	0.786	**-**	12.5 25	455-0110-0000
4,5 / 114-115	5.000	1.813	2.067	1.772	0.820	**12.5 25**	-	455-0115-0000
4,72 / 120	5.197	1.740	1.919	1.811	0.853	**-**	12.5 25	455-0120-0000
5 / 125-127	5.394	1.595	1.772	1.890	0.887	**12.5 25**	-	455-0125-0000
- / 130	5.591	1.595	1.624	1.929	0.921	**-**	12.5 25	455-0130-0000
5,5 / 140	5.984	1.450	1.181	2.047	0.988	**12.5 25**	-	455-0140-0000
6 / 150-152	6.378	1.378	1.034	2.165	1.095	**12.5 25**	-	455-0150-0000
6,3 / 160	6.772	1.305	0.886	2.283	1.169	**-**	12.5 25	455-0160-0000
- / 170	7.165	1.160	0.886	2.402	1.237	**-**	12.5 25	455-0170-0000
7 / 178-180	7.559	1.160	0.738	2.520	1.310	**12.5 25**	-	455-0180-0000
8 / 200-203	8.346	1.015	0.591	2.756	1.445	**12.5 25**	-	455-0200-0000
- / 215	8.937	0.943	0.591	2.953	1.552	**-**	12.5 25	455-0215-0000
- / 225	9.331	0.870	0.591	3.071	1.626	**-**	12.5 25	455-0225-0000
9 / 228-229	9.449	0.870	0.561	3.110	1.653	**12.5 25**	-	455-0228-0000
- / 250	10.315	0.798	0.443	3.346	1.801	**-**	12.5 25	455-0250-0000
10 / 254	10.472	0.725	0.443	3.425	1.828	**12.5 25**	-	455-0254-0000

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.

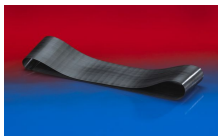
2026/19

CP PUR 455 FOOD

I.D. (in / mm)	outer Ø (in)	Pressure (psi)	Vacuum (inHG)	Bending radius (in)	Weight (lb/ft)	Dimensions in Stock (ft)	Production lengths (ft)	Order No.
- / 275	11.299	0.725	0.443	3.661	1.976	-	12.5 25	455-0275-0000
11 / 280	11.496	0.653	0.443	3.740	2.016	-	12.5 25	455-0280-0000
- / 300	12.283	0.653	0.295	3.937	2.151	-	12.5 25	455-0300-0000
12 / 305	12.480	0.653	0.295	4.016	2.184	**12.5 25**	-	455-0305-0000
- / 315	12.874	0.653	0.295	4.134	2.258	-	12.5 25	455-0315-0000
- / 325	13.268	0.653	0.295	4.213	2.325	-	12.5 25	455-0325-0000
- / 350	14.252	0.580	0.295	4.528	2.500	-	12.5 25	455-0350-0000
14 / 356	14.488	0.580	0.295	4.606	2.547	**12.5 25**	-	455-0356-0000
- / 375	15.236	0.580	0.295	4.843	2.681	-	12.5 25	455-0375-0000
- / 400	16.220	0.508	0.148	5.118	2.856	-	12.5 25	455-0400-0000
16 / 405-406	16.457	0.435	0.148	5.197	2.910	**12.5 25**	-	455-0406-0000
- / 450	18.189	0.435	0.148	5.709	3.206	-	12.5 25	455-0450-0000
18 / 457	18.465	0.435	0.148	5.827	3.259	**12.5 25**	-	455-0457-0000
- / 500	20.157	0.435	0.148	6.299	3.555	-	12.5 25	455-0500-0000
20 / 508	20.472	0.435	0.148	6.417	3.629	**12.5 25**	-	455-0508-0000
- / 600	24.094	0.363	0.148	7.480	4.261	-	12.5 25	455-0600-0000
- / 700	28.031	0.290	0.059	8.661	4.960	-	12.5 25	455-0700-0000
- / 750	30.000	0.290	0.030	9.252	5.316	-	12.5 25	455-0750-0000
- / 800	31.969	0.290	0.030	9.843	5.665	-	12.5 25	455-0800-0000
- / 900	35.906	0.218	0.030	11.024	6.371	-	12.5 25	455-0900-0000
- / 1000	39.843	0.218	0.030	12.205	7.083	-	12.5 25	455-1000-0000

Accessories


CLAMP 212


CONNECT 228


CLAMP 213


CLAMP 217


CONNECT 270-271

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.