



Abrasion resistant and antistatic suction and transport hose; PUR $<10^9 \Omega$, light, smooth interior

Applications

- food industry, pharmaceutical industry (FDA): foodstuff, pharmaceutical
- foodstuff conveying of: dry, aqueous and acid food (rice, dry food, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods), alcohol $< 20 \%$, fatty foodstuff, milk and milk products, dry foodstuff with fatty substances at its surface
- food industry, pharmaceutical industry: mixer, dryer, packaging machines, bulk-bag (big bag)-charging and discharging, mills
- printing machines, air supply: UV dryer, IR dryer
- extraction units, dedusting systems, filter systems, oil dust extraction: fixed installed, mobile
- chemical industry: extraction of chemical vapours, vapour return hose at loading arms, paint steam extraction, spray mist extraction
- extraction or conveying in explosion hazard areas, electrostatic discharging hoses, antistatic hoses, electrically conductive hoses
- textile industry, fiber extraction: spinning machines, knitting machines, weaving loom machines
- animal stalls, animal sheds: barn ventilation
- wood dust extraction (DIN4102-B1): wood dust, wood chips, furniture production, saw mills
- wood dust extraction (DIN4102-B1): vertical panel saws, saws, woodworking machinery, edge processing machines, parquet flooring grinding machines
- clean room industry: clean room ventilation, semiconductor production machines, computer chip manufacturing

- paper mills, paper and pulp industry: waste water, extraction air
- shot blasting/ sand blasting return e.g. at blasting chambers, ship yards
- surface preparation: shot blasting/ sand blasting return e.g. at stripping machines, flooring preparation machines, grinding machines
- medical devices/ medical technology, health-care sector: cable protection conduit, air supply hose, extraction hose
- municipal vehicles: sweepers, small street sweeping machines, large street sweeping machines
- municipal vehicles: lawn mowers, mowing machines, slope mowers, leaf blowers/ leaf collectors
- scrubber, floor cleaning machines
- heating hoses: exterior hose as protection hose

Properties

- the wall is permanently capable of electrostatic discharge owing to the non-migrating antistatic material: electrical and surface resistance $<10^9 \Omega$
- light model
- highly abrasion-resistant (abrasion resistance about 2.5 to 5 times better than most rubber materials and about 3 to 4 times better than most soft PVC's)
- smooth interior
- optimized flow properties
- flexible
- high tensile strength and tear resistant
- food grade wall, complies with: FDA 21 CFR 177.2600 and 178.2010

- microbe and hydrolysis resistant
- good resistance to oil, gasoline, and chemicals
- good resistance to UV and ozone
- very good low temperature flexibility (better than comparable ester-polyurethanes)
- small bending radiuses
- kink-proof
- free of softener and halogens
- gas- and liquid-tight
- conforms to RoHS guideline

Temperature range

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

Design, Material

AIRDUC® profile hose

- spring steel wire firmly embedded in wall
- profile with optimized flow properties; wall: permanently antistatic premium ether-polyurethane (Pre-PUR®)
- wall thickness 0.03 in approx.

Delivery variants

- further diameters and lengths available on request
- transparent (standard)
- special colors: full colored
- customer-specific product marking
- wall: "bioplastic" material derived from renewable raw materials without food applicability
- customized connectors

I.D. in / mm	O.D. in	Over- pressure psi	Under- pressure inHG	Bending Radius Inch	Weight lbs./ft	Stock length ft	Further production lengths ft	Order No.
1 / 25	1.25	37.50	18.00	0.89	0.130	25 50	-	350-0025-0000
- / 30	1.46	32.55	17.30	1.02	0.170	-	25 50	350-0030-0000
1.25 / 32	1.54	30.55	16.85	1.06	0.180	-	25 50	350-0032-0000
1.36 / 35	1.65	28.00	16.10	1.12	0.195	-	25 50	350-0035-0000
1.5 / 38	1.75	25.80	15.50	1.22	0.210	25 50	-	350-0038-0000
- / 40	1.85	19.75	14.90	1.25	0.220	-	25 50	350-0040-0000
1.75 / 44-45	2.05	20.15	13.60	1.36	0.250	-	25 50	350-0045-0000
2 / 50-51	2.24	19.60	12.85	1.50	0.270	25 50	-	350-0050-0000
- / 55	2.44	18.00	11.65	1.59	0.295	-	25 50	350-0055-0000
2.36 / 60	2.64	16.55	10.00	1.73	0.325	-	25 50	350-0060-0000
2.5 / 63-65	2.76	14.80	8.70	1.83	0.350	25 50	-	350-0065-0000

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. 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.



I.D. in / mm	O.D. in	Over- pressure psi	Under- pressure inHG	Bending Radius Inch	Weight lbs./ft	Stock length ft	Further production lengths ft	Order No.
- / 70	3.03	14.15	7.25	1.97	0.375	-	25 50	350-0070-0000
3 / 75-76	3.20	13.20	6.50	2.07	0.395	25 50	-	350-0075-0000
- / 80	3.43	12.40	5.60	2.20	0.430	-	25 50	350-0080-0000
3.5 / 89-90	3.82	11.00	4.70	2.44	0.485	25 50	-	350-0090-0000
4 / 100-102	4.21	10.00	3.40	2.68	0.540	25 50	-	350-0100-0000
- / 110	4.61	9.05	3.10	2.91	0.585	-	25 50	350-0110-0000
4.5 / 114-115	4.80	8.70	2.95	3.01	0.605	25 50	-	350-0115-0000
4.72 / 120	5.00	8.25	2.80	3.15	0.640	-	25 50	350-0120-0000
5 / 125-127	5.20	8.00	2.35	3.25	0.660	25 50	-	350-0125-0000
- / 130	5.39	7.60	2.35	3.39	0.680	-	25 50	350-0130-0000
5.5 / 140	5.79	7.10	2.35	3.62	0.730	25 50	-	350-0140-0000
6 / 150-152	6.18	6.60	2.20	3.86	0.940	25 50	-	350-0150-0000
6.3 / 160	6.57	6.00	1.90	4.09	1.010	-	25 50	350-0160-0000
6.5 / 165	6.77	5.80	1.75	4.17	1.035	-	25 50	350-0165-0000
- / 170	6.97	5.65	1.75	4.25	1.060	-	25 50	350-0170-0000
- / 175	7.17	5.15	1.50	4.43	1.095	-	25 50	350-0175-0000
7 / 178-180	7.36	5.10	1.50	4.57	1.120	25 50	-	350-0180-0000
8 / 200-203	8.15	4.55	1.50	5.04	1.250	25 50	-	350-0200-0000
- / 225	9.13	3.85	1.05	5.61	1.400	-	25 50	350-0225-0000
9 / 228-229	9.45	3.60	0.90	5.83	1.425	25 50	-	350-0228-0000
- / 250	10.12	3.50	0.60	6.22	1.550	-	25 50	350-0250-0000
10 / 254	10.28	3.40	0.60	6.30	1.580	25 50	-	350-0254-0000
- / 275	11.10	3.20	0.60	6.79	1.705	-	25	350-0275-0000
11 / 280	11.30	3.05	0.60	6.93	1.740	25	-	350-0280-0000
- / 300	12.09	2.90	0.60	7.40	1.860	-	25	350-0300-0000
12 / 305	12.28	2.85	0.55	7.50	1.890	25	-	350-0305-0000
- / 315	12.68	2.75	0.45	7.74	1.950	-	25	350-0315-0000
- / 325	13.07	2.70	0.45	7.97	2.010	-	25	350-0325-0000
13 / 330	13.27	2.65	0.45	8.09	2.045	-	25	350-0330-0000
- / 350	14.06	2.45	0.45	8.58	2.165	-	25	350-0350-0000
14 / 356	14.29	2.40	0.30	8.74	2.245	25	-	350-0356-0000
- / 400	16.02	2.20	0.30	9.76	2.800	-	25	350-0400-0000
16 / 405-406	16.26	2.15	0.30	9.96	2.840	25	-	350-0406-0000
- / 450	18.00	1.95	0.30	11.06	3.150	-	25	350-0450-0000
18 / 457	18.27	1.90	0.30	11.24	3.200	25	-	350-0457-0000
- / 500	19.96	1.75	0.30	12.32	3.495	-	25	350-0500-0000
20 / 508	20.28	1.70	0.30	12.52	3.550	25	-	350-0508-0000

Accessories



CLAMP 212



CLAMP 217



CLAMP 213



CONNECT 228



CONNECT 223



CONNECT 270-271

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