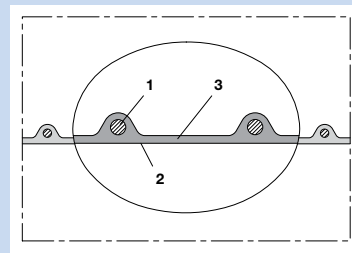


AIRDUC® PUR 351 EC



Abrasion-proof and electrically conductive suction and transport hose; PUR $<10^3 \Omega$, medium-heavy, smooth interior

Applications

- for transporting inflammable bulk materials and in areas liable to contain explosive mixtures (explosion protection)
- for abrasive solids such as dust, powder, fibres, chips and granulates
- for gaseous and liquid media
- for de-dusting and suction plants, industrial vacuum cleaners, suction of paper and textile fibres

Properties

- according to German TRBS 2153 electrically conductive wall: Electrical and surface resistance $<10^3 \Omega$, recommended for transporting inflammable bulk materials
- highly abrasion-proof (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
- good resistance to oil, gasoline and chemicals
- good resistance to UV and ozone
- small bending radiuses
- kink-proof
- free of softener and halogen
- gas and liquid tight
- conforms to the requirements of the European ATEX Directive
- conform to RoHS guideline

Temperature Range

- -40°C to 90°C

Design, Material

AIRDUC® profile hose

1. spring steel wire firmly embedded in wall
2. profile with optimised flow properties; wall: electrically conductive premium ester-polyurethane (Pre-PUR®)
3. wall thickness 0,8 mm approx.

Delivery variants

- further diameters and lengths available on request
- black (standard)
- customer-specific product marking
- as a pre-assembled hose system with CONNECT connectors
- customised connectors

I.D. in / mm	O.D. mm	Over- pressure bar	Under- pressure bar	Bending Radius mm	Weight kg/m	Dimensions in Stock m	Further Production Lengths m	Order No.
1 / 25	32	2,285	0,460	22,5	0,200	10	-	351-0025-1003
- / 30	38	1,920	0,440	27,0	0,260	10	-	351-0030-1003
1,25 / 32	40	1,800	0,430	28,0	0,280	10	-	351-0032-1003
1,36 / 35	43	1,650	0,410	29,5	0,300	-	10	351-0035-1003
1,5 / 38	46	1,525	0,400	32,0	0,320	10	-	351-0038-1003
- / 40	48	1,455	0,390	33,0	0,340	10	-	351-0040-1003
1,75 / 44-45	53	1,295	0,360	35,5	0,380	-	10	351-0045-1003
2 / 50	58	1,165	0,340	39,0	0,410	10	-	351-0050-1003
- / 55	63	1,065	0,305	41,5	0,450	-	10	351-0055-1003
2,36 / 60	68	0,980	0,265	45,0	0,490	10	-	351-0060-1003
2,5 / 65	73	0,900	0,235	47,5	0,530	10	-	351-0065-1003
- / 70	79	0,840	0,195	52,0	0,570	10	-	351-0070-1003
3 / 75	84	0,780	0,180	54,5	0,610	10	-	351-0075-1003
- / 80	89	0,730	0,165	58,0	0,650	10	-	351-0080-1003
3,5 / 89-90	99	0,655	0,145	64,0	0,730	10	-	351-0090-1003
4 / 100	109	0,585	0,115	70,0	0,790	10	-	351-0100-1003
- / 110	119	0,535	0,100	76,0	0,870	10	-	351-0110-1003
4,5 / 114-115	124	0,515	0,095	78,5	0,910	-	10	351-0115-1003
4,72 / 120	129	0,495	0,085	82,0	0,940	-	10	351-0120-1003
5 / 125	134	0,475	0,075	84,5	0,980	10	-	351-0125-1003
- / 130	139	0,455	0,075	88,0	1,030	-	10	351-0130-1003
5,5 / 140	149	0,420	0,075	94,0	1,090	-	10	351-0140-1003
6 / 150	159	0,390	0,070	100,0	1,330	10	-	351-0150-1003
6,3 / 160	169	0,370	0,060	106,0	1,410	-	10	351-0160-1003
6,5 / 165	174	0,360	0,060	108,0	1,455	-	10	351-0165-1003

Overpressure and underpressure are recommended threshold operating values, products can be subjected to higher loads upon request. The bending radius is measured through the inside of the hose arch. Additional technical data at www.norres.com. The right to make technical modifications is reserved. All values determined at 20°C and are approx. data.

I.D. in / mm	O.D. mm	Over- pressure bar	Under- pressure bar	Bending Radius mm	Weight kg/m	Dimensions in Stock m	Further Production Lengths m	Order No.
- / 170	179	0,350	0,060	110,0	1,500	-	10	351-0170-1003
- / 175	184	0,340	0,050	114,5	1,550	-	10	351-0175-1003
7 / 178-180	189	0,330	0,050	118,0	1,590	10	-	351-0180-1003
8 / 200	209	0,300	0,050	130,0	1,760	10	-	351-0200-1003
- / 225	234	0,265	0,035	144,5	2,200	-	10	351-0225-1003
9 / 228-229	237	0,260	0,035	146,5	2,230	-	10	351-0228-1003
- / 250	259	0,240	0,020	160,0	2,430	10	-	351-0250-1003
10 / 254	263	0,235	0,020	162,5	2,460	-	10	351-0254-1003
- / 275	284	0,215	0,020	174,5	2,630	-	10	351-0275-1003
11 / 280	289	0,215	0,020	178,0	2,670	-	10	351-0280-1003
- / 300	309	0,195	0,015	190,0	2,860	-	10	351-0300-1003
12 / 305	314	0,190	0,015	193,0	2,905	-	10	351-0305-1003
- / 315	324	0,185	0,015	198,5	3,000	-	10	351-0315-1003
- / 325	334	0,185	0,015	204,5	3,100	-	10	351-0325-1003
13 / 330	339	0,180	0,015	207,5	3,145	-	10	351-0330-1003
- / 350	359	0,170	0,015	220,0	3,330	-	10	351-0350-1003
14 / 356	365	0,165	0,015	223,5	3,445	-	10	351-0356-1003
- / 400	409	0,145	0,010	250	4,270	-	10	351-0400-1003
16 / 405-406	415	0,145	0,010	254	4,335	-	10	351-0406-1003
- / 450	459	0,130	0,010	283,0	4,800	-	10	351-0450-1003
18 / 457	466	0,130	0,010	287,5	4,875	-	10	351-0457-1003
- / 500	509	0,120	0,010	315,0	5,330	-	10	351-0500-1003
20 / 508	517	0,120	0,010	320,0	5,415	-	10	351-0508-1003

Accessories



CLAMP 212



CLAMP 212 EC



CLAMP 217



CLAMP 213



CONNECT MOULD
ASSEMBLY 233



CONNECT THREAD
FITTING 234



CONNECT 240 + 241



CONNECT 242



CONNECT 243



CONNECT 244



CONNECT 245



CONNECT 246



CONNECT 223



CONNECT 270-271

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