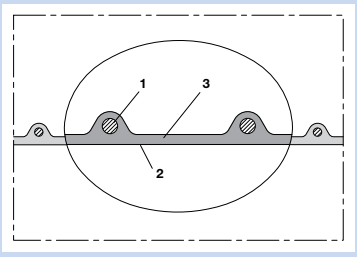
AIRDUC® PUR 351 MHF



Abrasion-proof suction and transport hose; Medium-heavy, smooth interior

Applications

- 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

- medium-heavy model
- 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
- polyurethane complies with: FDA 21 CFR 177.2600 and 178.2010, EC guideline 2002/72/EC incl. the amendment 2008/39/EC and 975/2009, German guideline XXXIX BfR polyurethane
- approved by an independent testing laboratory for the complete hose, acc. to EU Directive 2002/72/EC, incl. amending Directive 975/2009 and Regulation No. 10/2011
- 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 halogen
- gas and liquid tight
- flame-retardant according to: UL94-HB
- conform to RoHS guideline
- according to German TRBS 2153 (formerly BGR 132): capable of electro-static discharge by grounding the spiral, recommended for many applications with the exception of inflammable bulk materials

Temperature Range

- -40°C to 90°C
- short time to 125°C

Design, Material

AIRDUC® profile hose

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

Delivery variants

- further diameters and lengths available on request
- transparent (standard)
- special colours: partially coloured, completely coloured
- customer-specific product marking
- wall: „bioplastic“ material derived from renewable raw materials without food applicability and without UL approval
- 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	2,690	0,495	22,5	0,200	10 15	20	351-0025-0000
- / 30	38	2,260	0,475	27,0	0,260	10	15	351-0030-0000
1,25 / 32	40	2,120	0,460	28,0	0,280	10 15	20	351-0032-0000
1,36 / 35	43	1,940	0,440	29,5	0,300	10	15	351-0035-0000
1,5 / 38	46	1,795	0,430	32,0	0,320	10 15	20	351-0038-0000
- / 40	48	1,710	0,420	33,0	0,340	10 15	20	351-0040-0000
1,75 / 44-45	53	1,525	0,385	35,5	0,380	10	15	351-0045-0000
2 / 50	58	1,370	0,365	39,0	0,410	10 15 20	-	351-0050-0000
- / 55	63	1,255	0,330	41,5	0,450	10 15	20	351-0055-0000
2,36 / 60	68	1,150	0,285	45,0	0,490	10 15	20	351-0060-0000
2,5 / 65	73	1,060	0,255	47,5	0,530	10 15	-	351-0065-0000
- / 70	79	0,990	0,210	52,0	0,590	10 15	-	351-0070-0000
3 / 75	84	0,920	0,195	54,5	0,640	10 15	20	351-0075-0000
- / 80	89	0,860	0,175	58,0	0,680	10 15	-	351-0080-0000
3,5 / 89-90	99	0,770	0,155	64,0	0,750	10	15	351-0090-0000
4 / 100	109	0,690	0,120	70,0	0,970	10 15	20	351-0100-0000
- / 110	119	0,630	0,110	76,0	1,060	10 15	-	351-0110-0000
4,5 / 114-115	124	0,605	0,105	78,5	1,110	10	15	351-0115-0000
4,72 / 120	129	0,580	0,105	82,0	1,160	10 15	-	351-0120-0000
5 / 125	134	0,560	0,085	84,5	1,200	10 15	-	351-0125-0000
- / 130	139	0,535	0,085	88,0	1,250	10	15	351-0130-0000

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.
5,5 / 140	149	0,495	0,085	94,0	1,340	**10**	15	351-0140-0000
6 / 150	159	0,460	0,075	100,0	1,520	**10 15**	20	351-0150-0000
6,3 / 160	169	0,435	0,065	106,0	1,610	**10**	15	351-0160-0000
6,5 / 165	174	0,422	0,065	108,5	1,660	-	10 15	351-0165-0000
- / 170	179	0,410	0,065	110,0	1,710	**10**	15	351-0170-0000
- / 175	184	0,400	0,055	114,5	1,760	**10**	15	351-0175-0000
7 / 178-180	189	0,385	0,055	118,0	1,810	**10**	15	351-0180-0000
8 / 200	209	0,350	0,055	130,0	2,000	**10 15**	-	351-0200-0000
- / 225	234	0,310	0,040	144,5	2,160	**10**	15	351-0225-0000
9 / 228-229	237	0,300	0,037	146,0	2,190	-	10 15	351-0228-0000
- / 250	259	0,280	0,020	160,0	2,390	**10**	15	351-0250-0000
10 / 254	263	0,276	0,020	163,0	2,430	-	10 15	351-0254-0000
- / 275	284	0,255	0,020	174,5	2,630	**10**	-	351-0275-0000
11 / 280	289	0,250	0,020	178,0	2,670	**10**	-	351-0280-0000
- / 300	309	0,230	0,020	190,0	2,860	**10**	-	351-0300-0000
12 / 305	314	0,220	0,020	193,0	2,910	-	10	351-0305-0000
- / 315	324	0,220	0,020	198,5	3,000	-	10	351-0315-0000
- / 325	334	0,215	0,015	204,5	3,100	-	10	351-0325-0000
13 / 330	339	0,210	0,015	208,0	3,150	-	10	351-0330-0000
- / 350	359	0,200	0,015	220,0	3,330	**10**	-	351-0350-0000
14 / 356	365	0,195	0,010	225,0	3,470	-	10	351-0356-0000
- / 375	384	0,185	0,010	236,5	3,900	-	10	351-0375-0000
- / 400	409	0,170	0,010	250,0	4,270	**10**	-	351-0400-0000
16 / 405-406	415	0,168	0,010	255,0	4,350	-	10	351-0406-0000
- / 450	459	0,155	0,010	283,0	4,800	-	10	351-0450-0000
18 / 457	466	0,152	0,010	288,0	4,880	-	10	351-0457-0000
- / 500	509	0,140	0,010	315,0	5,330	-	10	351-0500-0000
20 / 508	517	0,137	0,010	320,0	5,450	-	10	351-0508-0000

Accessories


CLAMP 212


CLAMP 212 EC


CLAMP 217


CLAMP 213


CONNECT MOULD ASSEMBLY 233


CONNECT THREAD FITTING 234


CONNECT TRI-CLAMP FITTING 245


CONNECT DAIRY FITTING 247


CONNECT ASEPTIC FITTING 249


CONNECT 240 + 241


CONNECT 242


CONNECT 243


CONNECT 244


CONNECT 245


CONNECT 246


CONNECT 223


CONNECT 270-271

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