Airduc® PUR 356

APPLICATIONS

Universal and abrasion-proof suction and transport hose, especially suitable:

- For high flow-rates of extremely abrasive solids such as sand, gravel, grain, refuse glass and chips
- For gaseous and liquid media
- For silo vehicles
- As conveying hose in glassworks, docks, steelworks, quarries, shipyards, cementworks etc
- As robust protection conduit

PROPERTIES

- Super-heavy model
- Extremely abrasion-proof with reinforcement underneath wire and narrow hose pitch (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 with low weight
- Very high pressure. vacuum and compression resistance
- High axial strength
- High tensile strength and tear resistant
- Good resistance to mineral oils and gasoline
- Good resistance to chemicals (refer to section 14.1)
- Good resistance to UV and ozone (see chapt. 14.8)
- Small bending radius
- Kink-proof
- Free of softener and halogen
- Gas and liquid tight
- Vacuum-proof
- Conform to RoHS guideline
- According to 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

MATERIAL

- Wall: special premium ester-polyurethane
- Spiral: spring steel wire

TEMPERATURE RANGE

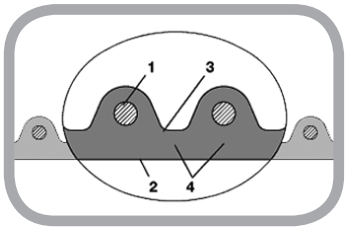
- -40°C approx to +90°C approx
- Short time to +125°C approx

COLOUR

- Transparent

CONSTRUCTION

1 Spring steel wire firmly embedded in wall
2 Profile with optimized flow properties
3 Wall thickness 2.0 - 2.5 mm approx.
reinforcement of the primary abrasion areas according to TRBS 2153 antistatic wall: electrical and surface resistance < 10^9 Ω due to permanently antistatic material without migration



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I.D	O.D	Recommended Operating Limits		Bending Radius	Weight	Further Production Lengths	Stock Lengths	Part Number
		Overpressure	Vacuum	(middle of hose)				
mm	mm	bar	bar	mm	kg/m	mm	mm	
32	43	5.15	1	116	0.68		10 15	356-0032-0000
38	49	4.38	1	132	0.79		10 15	356-0038-0000
40	51	4.17	1	138	0.82	20	10 15	356-0040-0000
45	56	3.75	1	151	0.91	15 20	10	356-0045-0000
50	61	3.65	1	165	1	20	10 15	356-0050-0000
55	66	3.42	1	178	1.09	15 20	10	356-0055-0000
60	71	3.15	1	192	1.18	20	10 15	356-0060-0000
65	76	2.91	1	205	1.27	15 20	10	356-0065-0000
70	82	2.71	1	221	1.37	15	10	356-0070-0000
75	87	2.54	1	235	1.46		10 15	356-0075-0000
80	92	2.38	1	249	1.55		10 15	356-0080-0000
90	103	2.12	1	309	2.06	15	10	356-0090-0000
100	113	1.91	1	339	2.27		10 15	356-0100-0000
102	115	1.88	1	345	2.31	15	10	356-0102-0000
110	123	1.74	0.985	369	2.48	15	10	356-0110-0000
115	128	1.67	0.96	384	2.58	15	10	356-0115-0000
120	133	1.6	0.935	399	2.69	15	10	356-0120-0000
125	138	1.54	0.9	414	2.8		10 15	356-0125-0000
127	140	1.51	0.89	420	2.84		10 15	356-0127-0000
130	143	1.48	0.865	429	2.9	10 15		356-0130-0000
140	153	1.375	0.84	459	3.11	15	10	356-0140-0000
150	163	1.28	0.84	489	3.68	15	10	356-0150-0000
152	165	1.27	0.835	495	3.72		10 15	356-0152-0000
160	173	1.21	0.805	519	3.91	15	10	356-0160-0000
170	183	1.135	0.78	640	4.15	10 15		356-0170-0000
175	188	1.105	0.755	658	4.26	15	10	356-0175-0000
180	193	1.07	0.74	676	4.38	10 15		356-0180-0000
200	214	0.97	0.66	835	4.86	15	10	356-0200-0000
225	239	0.86	0.565	932	5.45		10	356-0225-0000
250	264	0.78	0.41	1.45	7.35		10	356-0250-0000
275	289	0.705	0.275	1.59	8.07	10		356-0275-0000
300	314	0.65	0.215	1.73	8.78		10	356-0300-0000

Further diameters and lengths available on request. All stated data are approx. figures based on a temperature of 20 °C.
Engineering modifications subject to change. Please refer to technical index