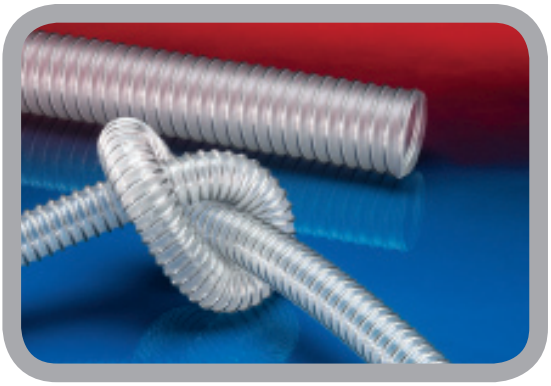
Airduc® PUR-VA 351 MHF



APPLICATIONS

Suction and transport hose, especially suitable:

- For solids such as dust, powder, fibres, chips and granulates
- For gaseous and liquid media
- For vacuum cleaners, conveying systems, blowers and compressors
- For the food and pharmaceutical industry
- For the chemical industry

PROPERTIES

- Medium-heavy model
- Smooth interior
- Optimized flow properties
- Flexible
- High tensile strength and tear resistant
- Food quality wall complies with: FDA 21 CFR 177.2600 and 178.2010, EC guideline 2002/72/EC incl. the latest amendment 2007/19/EC, German guideline XXXIX BfR polyurethane (see chapt. 14.5)
- Approval according to EC guideline 2002/72/EC incl. the latest amendment 2007/19/EC for the complete hose by independent institute (see chapt. 14.5)
- Odourless and tasteless
- Microbe and hydrolysis resistant
- Good resistance to chemicals (refer to section 14.1)
- Good resistance to UV and ozone (see chapt. 14.8)
- Very good low temperature flexibility (better than comparable ester-polyurethanes)
- Small bending radius
- Kink-proof
- Free of softener and halogen
- Gas and liquid tight
- Flame-retardant according to: UL94-HB
- 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

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MATERIAL

- Wall: special premium ether-polyurethane
- Spiral: stainless steel wire (VA)

Temperature Range

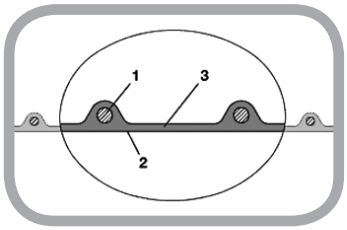
- -40°C approx to +90°C approx
- Short time to +125°C approx

COLOUR

- Transparent

CONSTRUCTION

1 Spring steel wire firmly embedded in wall
2 Profile with optimized flow properties
3 Wall thickness 0.9 mm approx
according to TRBS 2153 antistatic wall: electrical and surface resistance < 10^9 Ω due to permanently antistatic material without migration



I.D	O.D	Recommended Operating Limits		Bending Radius	Weight	Further Production Lengths	Stock Lengths	Order Number
		Overpressure	Vacuum	(middle of hose)				
mm	mm	bar	bar	mm	kg/m	mm	mm	
32	40	2.12	0.46	44	0.28		10	351-0032-1103
38	46	1.795	0.43	51	0.32		10	351-0038-1103
40	48	1.71	0.42	53	0.34		10	351-0040-1103
50	58	1.37	0.365	64	0.41		10	351-0050-1103
60	68	1.15	0.285	75	0.49		10	351-0060-1103
65	73	1.06	0.255	80	0.53		10	351-0065-1103
70	79	0.99	0.21	87	0.59	10		351-0070-1103
75	84	0.92	0.195	92	0.64		10	351-0075-1103
80	89	0.86	0.175	98	0.68		10	351-0080-1103
100	109	0.69	0.12	120	0.97		10	351-0100-1103
120	129	0.58	0.105	142	1.16	10		351-0120-1103
125	134	0.56	0.085	147	1.2		10	351-0125-1103
150	159	0.46	0.075	175	1.52		10	351-0150-1103
160	169	0.435	0.065	186	1.61	10		351-0160-1103
180	189	0.385	0.055	208	1.81	10		351-0180-1103
200	209	0.35	0.055	230	2		10	351-0200-1103

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