

Airduc® PUR-VA 355 MHF



APPLICATIONS

Suction and transport hose, especially suitable:

- For high flow-rates of solids such as powder, 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

- Heavy model
- Smooth interior
- Optimized flow properties
- Flexible with low weight
- Increased pressure and vacuum resistance
- 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-V2
- 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 ether-polyurethane
- Spiral: stainless steel wire (VA)

TEMPERATURE RANGE

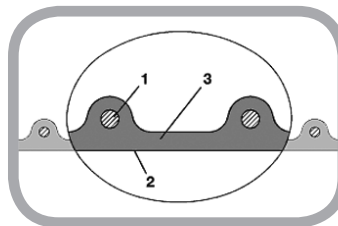
- -40°C approx to +90°C approx
- Short time to +125°C approx

COLOUR

- Transparent

CONSTRUCTION

- 1 Spring steel wire firmly embedded in wall
- 2 Profile with optimized flow properties
- 3 Wall thickness 1.5 mm approx
 according to TRBS 2153 antistatic wall: electrical and surface resistance <math>< 10^9 \Omega</math> due to permanently antistatic material without migration



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I.D mm	O.D mm	Recommended Operating Limits		Bending Radius (middle of hose) mm	Weight kg/m	Further Production Lengths mm	Stock Lengths mm	Order Number
		Overpressure bar	Vacuum bar					
32	42	3.095	0.875	42	0.44	10		355-0032-1103
38	48	2.925	0.865	48	0.52		10	355-0038-1103
40	50	2.9	0.855	50	0.54		10	355-0040-1103
50	60	2.33	0.835	60	0.66		10	355-0050-1103
60	70	1.955	0.73	70	0.78	10		355-0060-1103
65	75	1.815	0.675	75	0.84		10	355-0065-1103
70	81	1.69	0.605	97	0.98	10		355-0070-1103
75	86	1.575	0.555	103	1.05	10		355-0075-1103
80	91	1.48	0.505	109	1.11		10	355-0080-1103
100	111	1.19	0.355	133	1.49		10	355-0100-1103
120	131	1	0.28	157	1.77	10		355-0120-1103
125	136	0.96	0.265	163	1.84		10	355-0125-1103
150	161	0.8	0.18	193	2.41		10	355-0150-1103
160	171	0.745	0.165	205	2.56	10		355-0160-1103
180	191	0.665	0.135	229	2.87	10		355-0180-1103
200	213	0.6	0.12	256	3.12	10		355-0200-1103

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