



### APPLICATIONS

Suction and transport hose, especially suitable:

- For high flow-rates of solids such as grain, granulates and chips
- For gaseous and liquid media
- For silo vehicles
- For the food and pharmaceutical industry
- For the chemical industry

### PROPERTIES

- Super-heavy model
- 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

- 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

## Airduc® PUR-VA 356 MHF

- Vacuum-proof
- 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

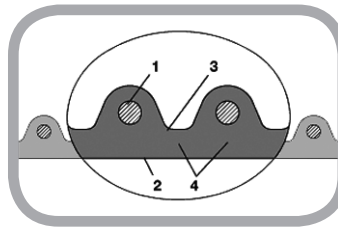
- 40°C approx to +90°C approx
- Short time to +125°C approx

### COLOUR

- Transparent

### CONSTRUCTION

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



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	43	4.895	1	116	0.68	10		356-0032-1103
38	49	4.16	1	132	0.79	10		356-0038-1103
40	51	3.96	1	138	0.82		10	356-0040-1103
50	61	3.565	1	165	1		10	356-0050-1103
60	71	2.995	1	192	1.18	10		356-0060-1103
65	76	2.765	1	205	1.27		10	356-0065-1103
70	82	2.575	1	221	1.37	10		356-0070-1103
75	87	2.415	1	235	1.46	10		356-0075-1103
80	92	2.26	1	249	1.55		10	356-0080-1103
100	113	1.815	0.9	339	2.27		10	356-0100-1103
125	138	1.465	0.81	414	2.8		10	356-0125-1103
150	163	1.215	0.755	489	3.68		10	356-0150-1103
200	214	0.92	0.595	835	4.86	10		356-0200-1103

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