

8.9.6 AIRDUC® PUR 356 MHF-AS reinforced



I.D.	O.D.	Recommended Operating Limits		Weight	Lengths	Order No.
		Overpressure	Vacuum			
mm	mm	bar	bar	kg/m	m	
50	67	4,010	1,000	1,49	10	356-0050-5114
60	77	3,465	1,000	1,76	10	356-0060-5114
65	82	3,200	1,000	1,89	10	356-0065-5114
80	97	2,620	1,000	2,30	10	356-0080-5114
102	119	2,070	1,000	3,26	10	356-0102-5114
127	144	1,660	0,930	4,01	10	356-0127-5114
152	169	1,395	0,900	5,11	10	356-0152-5114

**Construction:** AIRDUC® profile hose; spring steel wire integrated in wall; wall: permanently antistatic, special premium ether-polyurethane (Pre-PUR®); wall thickness 3.0 - 3.5 mm approx.; spiral: spring steel wire

**Temperature Range:** -40 °C approx. to +90 °C approx., short time to +125 °C approx.

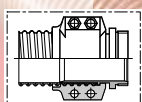
**Delivery Variants:** further diameters (Ø 50 – 152 mm) and lengths, spiral: stainless steel wire (VA), full and partially coloured on request, connecting elements and clamps

**Abrasion-proof, capable of electrostatic discharge and microbe and hydrolysis resistant suction and transport hose, PUR < 10<sup>9</sup> Ω, heavy and reinforced, smooth interior, vacuum-proof**

**Applications:** for transporting combustible bulk materials and use in hazardous areas (Ex protection); 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:** extremely abrasion-proof with reinforcement underneath wire and narrow hose pitch; very high pressure, vacuum and compression resistance; high axial strength; optimized flow properties; microbe and hydrolysis resistant; good resistance to chemicals; food quality complies with: EC guideline 2002/72/EC incl. the amendment 2007/19/EC; bending radius = approx. 3 x outer-Ø; permanently antistatic wall (capable of electrostatic discharge in accordance with TRBS 2153) < 10<sup>9</sup> Ω

8.9.6 Hose system sub-assembled on both sides with safety clamp system 230



Size	Thread	Total Length	threaded Adapter	threaded Adapter	threaded Adapter	threaded Adapter
			aluminium	steel	stainless steel	stainless steel
mm		m	Order No.	Order No.	Order No.	Order No.
75	G 3	3,8	230-0075-8313	230-0075-8323	230-0075-8333	230-0075-8343
75	G 3	4,8	230-0075-8314	230-0075-8324	230-0075-8334	230-0075-8344
75	G 3	5,8	230-0075-8315	230-0075-8325	230-0075-8335	230-0075-8345
100	G 4	3,8	230-0100-8313	230-0100-8323	230-0100-8333	230-0100-8343
100	G 4	4,8	230-0100-8314	230-0100-8324	230-0100-8334	230-0100-8344
100	G 4	5,8	230-0100-8315	230-0100-8325	230-0100-8335	230-0100-8345

**Delivery Variants:** further diameters and lengths on request

**As above, but hose system pre-assembled with a safety clamp at both ends (incl. adapter earthing)**

**Properties:** conforms to TRBS 2153 (formerly BGR 132): Metal hose spiral is fixed to the metal adapter; special threaded profile of the clamp shells adapted to the outer hose contour; vibration resistant; re-usable

**Construction:** clamp shells: aluminium; threaded adaptor: made optionally of aluminium, electrogalvanized steel, stainless steel 1.4301 = AISI 304 or 1.4404 (stamped) = AISI 316L; screw and nut: galvanized steel gunmetal finish