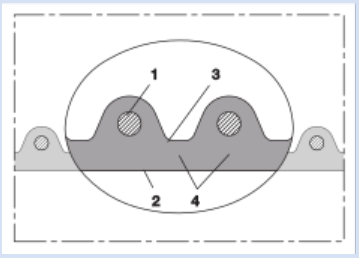
AIRDUC® PUR 356 EC (XHD)





Electrically conductive polyurethane hose, super-heavy

Applications
- hose/ ducting for high throughput of extremely abrasive bulk material, granulate and stone
- vacuum truck, suction vehicle, dry suction truck: industrial cleaning, furnace cleaning
- explosion hazard area
- Coal mine, mine, tunnelling: ventilation, methane extraction
- raw material conveying hose for powders, granulates, sand, quartz, gravel, shards and chips/ shavings
- silos and tankers: silo charging, silo discharging

Properties
- super heavy-duty
- extremely abrasion-resistant with reinforcement underneath wire and narrow hose pitch
- good resistance to oil, gasoline and chemicals
- very good low temperature flexibility
- electrically conductive wall: electrical and surface resistance <$10^3\Omega$ (according to NFPA 652 <$10^6\ \Omega$)
- in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside),
- in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases)
- according to DIN 26057 Type 4
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

Temperature Range
- -40 °C to 90 °C

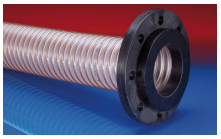
Design
- AIRDUC® profile hose
- spring steel wire firmly embedded in wall
- wall: electrically conductive premium ester-polyurethane (Pre-PUR®)
- wall thickness 2,0 to 2,5 mm approx.
- reinforcement of the primary abrasion areas

Delivery variants
- further diameters and lengths available on request
- black (standard)
- customer-specific branding

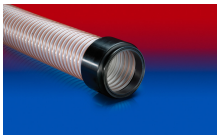
I.D.	outer Ø	Pressure	Vacuum	Bending Radius	Weight	Dimensions in Stock	Production Lengths	Order No.
(in / mm)	(mm)	(bar)	(bar)	(mm)	(kg/m)	(m)	(m)	
- / 40	51.00	3,635	1,000	109.00	0.82	-	10	356-0040-1003
- / 50	61.00	2,950	1,000	134.00	1.00	-	10 15	356-0050-1003
2 / 50-51	62.00	2,800	1,000	134.00	1.01	-	10 15	356-0051-1003
2,36 / 60	71.00	2,485	1,000	156.00	1.18	-	10	356-0060-1003
- / 75	87.00	2,010	1,000	195.00	1.46	-	10	356-0075-1003
3 / 76	88.00	1,995	1,000	195.00	1.48	-	10	356-0076-1003
- / 100	113.00	1,685	1,000	272.00	2.27	-	10 15	356-0100-1003

Accessories


CONNECT MOULD


CONNECT 244


CONNECT 240 EC


CONNECT 245

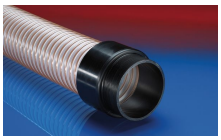

CONNECT SAFETY


CONNECT THREAD

Overpressure and underpressure are recommended threshold operating values, products can be subjected to higher loads upon request. The bending radius is measured through the inside of the hose arch. The right to make technical modifications is reserved. All values determined at 20 °C and are approx. data. Additional information at www.norres.com/en/technology/.

AIRDUC® PUR 356 EC (XHD)

ASSEMBLY 233



CONNECT 242



CONNECT 240 + 241 AS



CONNECT 243



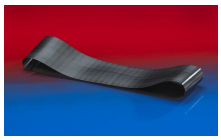
CLAMP 216

CLAMP ASSEMBLY 231



CONNECT 246 AS

FITTING 234



CONNECT 228



CLAMP 211



CONNECT PRESS ASSEMBLY 232

Overpressure and underpressure are recommended threshold operating values, products can be subjected to higher loads upon request. The bending radius is measured through the inside of the hose arch. The right to make technical modifications is reserved. All values determined at 20 °C and are approx. data. Additional information at www.norres.com/en/technology/.