

ABRASION-RESISTANT

AIRDUC® PUR 355 HT (HD)

Heavy-duty PUR hose for abrasive media at elevated temperatures



High-temperature variant of AIRDUC PUR 355 HD — combines the wear resistance required for granulates and powders with a higher temperature tolerance. Suitable for hot vapours and media up to +125 °C in short-term peaks. Used in industrial extraction and thermal process plants.

Media: Gas, Dust, Granulate

Temp: -40 °C to 100 °C

✓ Cut to length

APPLICATIONS

- Pneumatic transport of gas and dust and granulate
- Industrial extraction and collection
- Process plants and production environments
- Mobile installations and flexible routing
- Vacuum and low-pressure systems

Technical specifications

Material	Polyurethane (PUR), HT-rated
Colour	Black
Wall construction	Heavy-duty PUR wall, HT-stabilised with embedded steel spiral
Conveying media	Gas, Dust, Granulate
Temperature range	-40 °C – 100 °C
Short-term peak	125 °C
Cut to length	Yes
Manufacturer SKU	3551001-HT

Standards and compliance

DIN 26057 Type 2, REACH, RoHS

Dimensions and ordering

The hose is supplied in 18 standard sizes from inner Ø 25.1 mm to 400.0 mm. Each size has its own article number. Standard roll length is typically 10 m, and the hose can be cut to length.

Inner Ø [mm]	Outer Ø [mm]	Wall th. [mm]	Press. DIN [bar]	Vacuum axial [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
25.1	32.1	1.2	3.375	0.98	25	15	0.29	10	35500251015
32	42	1.5	3.3	1	32	15	0.45	10	35500321015
38	48	1.5	2.815	0.91	36	15	0.52	10	35500381015
40	50	1.5	2.685	0.865	38	20	0.54	10	35500401015
42	52	1.5	-	-	-	20	0.57	-	35500421015
45	55	1.5	-	-	-	20	0.6	-	35500451015
50.5	60.5	1.5	2.175	0.69	44	20	0.67	10, 15	35500501015
55	65	1.5	2.37	0.635	38	20	0.72	10	35500551015
60	70	1.5	1.83	0.575	51	20	0.78	10	35500601015
64.5	74.5	1.5	1.695	0.53	54	20	0.84	10	35500651015
70	81	1.5	1.575	0.465	77	20	0.98	10	35500701015
75	86	1.5	1.475	0.435	81	25	1.05	10, 15	35500751015
80	91	1.5	1.385	0.41	85	20	1.11	10	35500801015
101.5	112.5	1.5	1.115	0.355	103	20	1.5	10	35501001015
126.5	137.5	1.5	0.9	0.285	125	20	1.85	-	35501251015
151.5	163.5	1.5	0.75	0.26	147	15	2.43	-	35501501015
202.3	215.3	1.5	0.565	0.13	194	15	3.15	-	35502001015
400	413	1.5	-	-	-	10	8.06	-	35504001015

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Contact and advisory

Particulair

Højtoften 12
2690 Karlslunde, Denmark
CVR: 34129894

Phone: (+45) 70 23 12 03
E-mail: sales@particulair.com
Web: particulair.eu

Product page: particulair.eu/flexcore/en/abrasive/airduc-pur-355-ht-hd/

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