

ABRASION-RESISTANT

AIRDUC PVC 345 (HD)

Heavy-duty PVC suction and pressure hose for industrial dust and powder extraction



AIRDUC PVC 345 (HD) is a heavy-duty (HD) PVC suction and pressure hose for industrial extraction of gas, dust, powder and fibres. The thicker wall (1.4 mm) and elevated pressure resistance set it apart from standard PVC hoses. Fire-modified per UL94-HB. Typically used in chemical industry, paper industry and general industrial filtration.

Media: Gas, Dust

Temp: -20 °C to 70 °C

✓ Cut to length

APPLICATIONS

- Dust and powder extraction in industrial extraction installations
- Aeration and air distribution in process installations
- Filling system and packaging installations
- Plant cleaning and dehumidification
- Aluminium smelters and surface treatment

Technical specifications

Material	PVC (polyvinyl chloride) outer wall and inner lining
Colour	black
Wall construction	Smooth outer wall, smooth inner, integrated textile reinforcement
Conveying media	Gas, Dust
Temperature range	-20 °C – 70 °C
Short-term peak	80 °C
Cut to length	Yes
Manufacturer SKU	3450000

Standards and compliance

en-iso-1307, REACH, RoHS

Dimensions and ordering

The hose is supplied in 35 standard sizes from inner Ø 20.0 mm to 350.0 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.
20	28	1.4	2.665	1	18	25	0.3	10	34500200000
25.1	33.1	1.4	2.33	1	21	25	0.38	10	34500250000
30	40	1.4	1.97	0.97	25	25	0.44	10	34500300000
32	42	1.4	1.86	0.91	26	25	0.47	10	34500320000
35	45	1.4	1.71	0.83	28	25	0.51	-	34500350000
38	48	1.4	1.585	0.765	29	25	0.54	-	34500380000
40	50	1.4	1.51	0.725	30	30	0.57	10	34500400000
42	52	1.4	1.365	0.86	31	30	0.6	10	34500420000
50.5	60.5	1.4	1.22	0.84	35	30	0.67	10, 15	34500500000
60	70	1.4	1.025	0.485	40	30	0.82	10	34500600000
64.5	74.5	1.4	0.95	0.45	43	30	0.88	10	34500650000
70	82	1.4	0.885	0.38	63	30	1.06	10	34500700000
75	87	1.4	0.83	0.33	67	30	1.13	10	34500750000
80	92	1.4	0.78	0.31	70	30	1.2	10	34500800000
85	97	1.4	0.735	0.44	74	30	1.27	-	34500850000
90	102	1.4	0.695	0.275	77	30	1.34	-	34500900000
100	112	1.4	0.625	0.255	84	25	1.48	10	34501000000
105	117	1.4	0.6	0.32	88	25	1.55	-	34501050000
110	122	1.4	0.57	0.23	91	25	1.62	10	34501100000
112	124	1.4	0.545	0.22	92	25	1.65	-	34501120000
115	127	1.4	0.545	0.22	95	25	1.69	-	34501150000
120	132	1.4	0.525	0.21	98	25	1.76	-	34501200000
126.5	138.5	1.4	0.505	0.205	102	25	1.85	10	34501250000
130	142	1.4	0.485	0.195	105	25	1.9	10	34501300000
140	152	1.4	0.45	0.18	112	25	2.04	10	34501400000
151.5	163.5	1.4	0.42	0.17	119	20	2.36	10	34501500000
160	172	1.4	0.395	0.16	126	20	2.49	-	34501600000
180	192	1.4	0.35	0.14	140	20	2.79	-	34501800000
202.3	215.3	1.4	0.315	0.1	156	15	3.03	10	34502000000
225	238	1.4	0.28	0.095	174	15	3.36	-	34502250000
250	263	1.4	0.255	0.085	191	15	3.73	-	34502500000
300	313	1.4	0.21	0.075	226	10	4.45	-	34503000000

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.
315	328	1.4	0.18	0.06	238	10	5.16	-	34503150000
320	333	1.4	0.18	0.06	245	10	5.24	-	34503200000
350	363	1.4	0.18	0.06	261	10	5.72	-	34503500000

Fields without a value (—) are not specified in the manufacturer's factsheet. Overpressure and underpressure values are recommended operating limits; the product can be subjected to higher loads on request. Bend radius is measured along the inside of the hose bend.

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