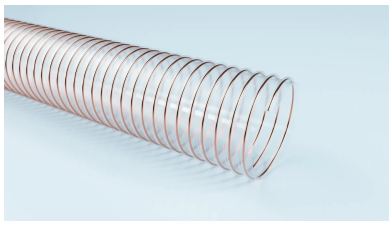
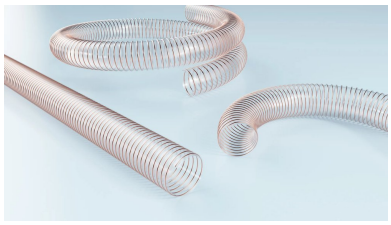
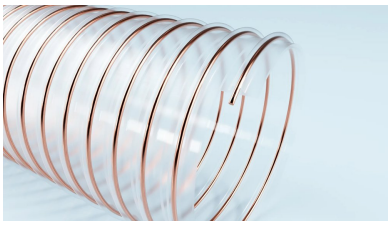
FOOD/PHARMA

AIRDUC® PUR 355 FOOD (HD)

Heavy-duty food-grade PUR hose for abrasive media

Heavy-duty food-grade suction and pressure hose in polyurethane for high-throughput conveyance of abrasive foods and pharmaceutical media. HD wall (DIN 26057 Type 3 implied), approved per EU 10/2011 across all categories (A, B, C, D2 and E), EC 1935/2004, FDA 21 CFR 177.2600 and GMP EC 2023/2006. Also flame-retardant per UL94-V2, which makes it broadly capable — the combination of heavy-duty + full food approval + flame retardance is not common.

Media: Gas, Dust, Liquid, Granulate ✓ Cut to length

APPLICATIONS

- Pneumatic conveying of dry foodstuffs (flour, sugar, salt, grain fractions)
- Bulk-bag filling and discharging on production lines
- Tablet presses and powder transfer in pharmaceutical industry
- Aquaculture and fish-feed transport
- Tank loading and unloading at silo installations
- Pneumatic conveying systems for high-throughput abrasive foods

Technical specifications

Material	Polyurethane (PUR), food-grade
Colour	Transparent
Wall construction	Heavy-duty (HD), spiral-reinforced food-grade PUR
Conveying media	Gas, Dust, Liquid, Granulate
Cut to length	Yes
Manufacturer SKU	3551001

Standards and compliance

DIN 26057 Type 2, EU 1935/2004, EU 10/2011, FDA 21 CFR 177.2600, REACH, RoHS

Dimensions and ordering

The hose is supplied in 37 standard sizes from inner Ø 13 mm to 400 mm. Each size has its own article number. Standard roll lengths are 5, 10, 15 m, and the hose can be cut to length.

Inner Ø [mm]	Outer Ø [mm]	Wall th. [mm]	Press. DIN [bar]	Press. 50% [bar]	Vacuum DIN [bar]	Vacuum axial [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
13	20	1	4.5	8.59	1	1	14	15	0.14	10	35500131001
16	23	1	4.41	7.14	1	1	15	15	0.16	15	35500161001
20	27	1.2	4.25	6.88	1	1	17	25	0.24	10	35500201001
22	29	1.2	3.9	6.31	0.95	1	18	25	0.26	-	35500221001
25.1	32.1	1.2	3.47	5.61	0.9	1	20	25	0.29	10	35500251001
30	40	1.5	3.6	5.82	0.88	1	25	25	0.43	-	35500301001
32	42	1.5	3.395	5.49	0.875	1	26	25	0.45	10	35500321001
35	45	1.5	3.125	5.05	0.87	1	28	25	0.49	-	35500351001
38	48	1.5	2.895	4.68	0.865	1	29	30	0.52	10, 15	35500381001
40	50	1.5	2.76	4.46	0.855	1	30	30	0.55	10	35500401001
45	55	1.5	2.47	3.99	0.845	1	33	30	0.61	-	35500451001
50.5	60.5	1.5	2.235	3.61	0.835	1	35	30	0.68	10, 15	35500501001
55	65	1.5	2.045	3.3	0.79	1	38	30	0.73	15	35500551001
60	70	1.5	1.88	3.03	0.73	1	40	30	0.79	10	35500601001
64.5	74.5	1.5	1.74	2.81	0.675	1	43	30	0.85	10, 15	35500651001
70	81	1.5	1.62	2.61	0.605	1	62	25	0.99	10, 15	35500701001
75	86	1.5	1.515	2.45	0.555	1	66	25	1.01	10	35500751001
80	91	1.5	1.425	2.3	0.505	1	69	25	1.13	10	35500801001
90	101	1.5	1.27	2.05	0.385	0.89	76	25	1.19	15	35500901001
101.5	112.5	1.5	1.15	1.85	0.355	0.95	83	25	1.52	10	35501001001
110	121	1.5	1.045	1.69	0.325	0.78	90	25	1.64	10	35501101001
115	126	1.5	1	1.61	0.3	0.71	94	25	1.71	10	35501151001
120	131	1.5	0.96	1.55	0.28	0.65	97	25	1.78	-	35501201001
126.5	137.5	1.5	0.925	1.49	0.265	0.6	101	25	1.87	10, 15	35501251001
127	138	1.5	0.925	1.49	0.265	0.6	101	25	1.88	-	35501271001
130	141	1.5	0.89	1.43	0.24	0.56	104	25	1.92	-	35501301001
140	151	1.5	0.825	1.33	0.215	0.48	111	25	1.96	10	35501401001
151.5	163.5	1.5	0.77	1.24	0.18	0.56	118	20	2.45	10, 15	35501501001
160	172	1.5	0.725	1.17	0.165	0.49	125	20	2.58	-	35501601001
165	179	1.5	0.705	1.13	0.16	0.46	129	20	2.68	-	35501651001
180	192	1.5	0.645	1.04	0.135	0.39	139	20	2.9	10	35501801001
202.3	215.3	1.5	0.58	0.94	0.12	0.35	156	15	3.18	5, 10, 15	35502001001

Inner Ø [mm]	Outer Ø [mm]	Wall th. [mm]	Press. DIN [bar]	Press. 50% [bar]	Vacuum DIN [bar]	Vacuum axial [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
250	263	1.5	0.465	0.75	0.075	0.21	191	15	3.91	10	35502501001
255	268	1.5	0.39	0.63	0.065	0.19	195	15	3.99	-	35502551001
300	313	1.5	0.39	0.63	0.065	0.19	226	10	5.21	-	35503001001
350	363	1.5	-	-	-	-	-	10	6.07	-	35503501001
400	413	1.5	-	-	-	-	-	10	8.12	-	35504001001
38	48	1.5	3.215	6.07	1	1	29	10	0.53	-	35500380001
50	60	1.5	2.485	4.67	0.825	1	35	25	0.67	-	35500500001
50	60	1.5	2.485	4.67	0.825	1	35	15	0.68	-	35500500023
50	60	1.5	2.485	4.67	0.825	1	35	25	0.68	-	35500500031
60	70	1.5	2.09	3.91	0.685	1	40	20	0.79	-	35500600031
80	90	1.5	1.585	2.96	0.475	1	69	20	1.13	-	35500800031
50	60	1.5	2.485	4.67	0.825	1	35	25	0.68	-	35500500202
60	70	1.5	2.09	3.91	0.685	1	40	20	0.8	-	35500600202
50	60	1.5	2.485	4.67	0.825	1	35	25	0.68	-	35500500242
60	70	1.5	2.09	3.91	0.685	1	40	20	0.8	-	35500600242
80	91	1.5	1.585	2.96	0.475	1	69	15	1.13	-	35500800242
100	111	1.5	1.275	2.38	0.39	0.93	83	15	1.52	-	35501000242
38	48	1.5	-	6.07	1	1	29	20	0.53	-	35500380265
50	60	1.5	2.485	4.67	0.825	1	35	20	0.68	-	35500500265
101.5	111	1.5	1.275	2.38	0.39	0.93	83	15	1.53	-	35501003021
300	313	1.5	0.435	0.8	0.09	0.2	226	10	5.3	-	35503003223
19	26	1.25	4.72	9	-	-	20	25	0.24	-	35500194714
25.1	32.1	1.25	3.855	7.31	-	-	20	30	0.3	-	35500254714
40	50	1.5	3.065	5.78	-	-	33	31	0.58	-	35500404714
60	70	1.5	-	-	-	-	40	31	0.88	-	35500604730
127	141	2.5	-	-	-	-	147	25	2.99	-	35501275038
152	166	2.5	-	-	-	-	147	20	3.59	-	35501525038
125	138	1.5	-	-	-	-	-	10	2.22	-	35501255041
141	154	1.5	-	-	-	-	-	15	2.71	-	35501405041
151.5	162.5	1.5	-	-	-	-	-	10	2.89	-	35501505041

Special versions: 35500380001: Colour black. 35500500001: Colour black. 35500500023: Transparent, partly coloured red (RAL 3002). Antistatic, <10■ Ω as stated by the manufacturer. 35500500031: Colour sky blue (RAL 5015). 35500600031: Colour sky blue (RAL 5015). 35500800031: Colour sky blue (RAL 5015). 35500500202: Transparent, partly coloured sky blue (RAL 5015). 35500600202: Transparent, partly coloured sky blue (RAL 5015). 35500500242: Transparent, partly coloured green (RAL 6018). 35500600242: Transparent, partly coloured green (RAL 6018). 35500800242: Transparent, partly coloured green (RAL 6018). 35501000242: Transparent, partly coloured green (RAL 6018). 35500380265: Transparent, partly coloured black. 35500500265: Transparent, partly coloured black. 35501003021: Transparent, partly coloured grey (RAL 7037). 35503003223: Transparent, partly coloured traffic red (RAL 3020). 35500194714: Colour black. Made with special construction. 35500254714: Colour black. Made with special construction. 35500404714: Colour black. Made with special construction. 35500604730: Special version with its own article number. 35501275038: VAC version. Antistatic, <10■ Ω as stated by the manufacturer. 35501525038: VAC version. Antistatic, <10■ Ω as stated by the manufacturer. 35501255041: Transparent, partly coloured grey (RAL 7012). UV-resistant. Antistatic, <10■ Ω as

stated by the manufacturer. 35501405041: Transparent, partly coloured grey (RAL 7012). UV-resistant. Antistatic, <10■ Ω as stated by the manufacturer. 35501505041: Transparent, partly coloured grey (RAL 7012). UV-resistant. Antistatic, <10■ Ω as stated by the manufacturer.

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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

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