

FLAME-RETARDANT

AIRDUC® PUR 352 SE RAILWAY (MD)

Self-extinguishing EN 45545-2 railway hose — abrasion-resistant PUR for ventilation, heating and sanitary systems



Self-extinguishing suction and pressure hose certified per EN 45545-2 (the specific railway industry standard for fire resistance). Abrasion-resistant PUR construction in medium-duty (MD) format. Designed specifically for ventilation, heating and sanitary installations in railway carriages and vessels. Fire classification R23 HL1 — the top class in EN 45545 for high-risk railway applications. Also certified per NFPA 130 (US railway standard).

Media: Gas, Dust, Liquid

Temp: -40 °C to 90 °C

✓ Cut to length

APPLICATIONS

- Rail and tram ventilation
- Sanitary installations in trains
- Heaters and heating systems in trains
- Roof drainage on railway carriages
- Dedusting systems on rolling stock
- Material conveying in railway applications

Technical specifications

Material	Polyurethane (PUR), self-extinguishing, EN 45545-2 certified
Colour	Black
Wall construction	Medium duty (MD), spiral-reinforced self-extinguishing PUR for railway
Spiral material	spring steel wire, embedded in PUR wall
Conveying media	Gas, Dust, Liquid
Temperature range	-40 °C – 90 °C
Short-term peak	90 °C
Cut to length	Yes
Manufacturer SKU	3525401

Standards and compliance

en-45545-2, nfpa-130, REACH, RoHS

Dimensions and ordering

The hose is supplied in 17 standard sizes from inner Ø 20.0 mm to 125.0 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]	Article no.
20	28	0.9	2.53	0.485	21	25	0.22	35200205401
22	30	0.9	2.315	0.44	22	25	0.24	35200225401
25	32	0.9	2.055	0.385	23	25	0.26	35200255401
30	38	0.9	1.735	0.285	27	25	0.31	35200305401
32	40	0.9	1.63	0.265	28	25	0.32	35200325401
38	46	0.9	1.385	0.225	33	25	0.38	35200385401
40	48	0.9	1.32	0.215	34	30	0.4	35200405401
42	50	0.9	1.25	0.2	36	30	0.41	35200425401
45	53	0.9	1.175	0.19	50	30	0.44	35200455401
50	58	0.9	1.065	0.17	64	30	0.49	35200505401
55	63	0.9	0.97	0.155	68	30	0.53	35200555401
60	68	0.9	0.8	0.14	75	30	0.58	35200605401
63	71	0.9	0.69	0.085	79	30	0.6	35200635401
70	79	0.9	0.69	0.085	87	30	0.66	35200705401
80	89	0.9	0.605	0.075	98	30	0.75	35200805401
100	109	0.9	0.485	0.065	-	25	1.07	35201005401
125	134	0.9	0.39	0.05	147	25	1.32	35201255401

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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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/brandhaemmende/airduc-pur-352-se-railway-md/

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