

FLAME-RETARDANT

AIRDUC® PUR 352 SE (MD)

Flame-retardant polyurethane hose for ventilation, heating and plumbing in rail vehicles and ships



Flame-retardant suction and pressure hose in polyurethane with a stainless steel spiral (1.4301). Self-extinguishing per UL94-V0, and tested to DIN 4102-B1, DIN 5510-2 (class SR2/ST2), FMVSS 302 and NF P 92-507 M3 — that covers the practical span of fire requirements across rail, shipping, tunnelling and public buildings in a single product.

Media: Gas, Dust, Liquid, Granulate

Temp: -40 °C to 90 °C

✓ Cut to length

APPLICATIONS

- Ventilation and smoke extraction in rail vehicles
- Heating and cooling ventilation in shipping
- Tunnel construction and underground installations
- Hose pumps and concrete conveying
- Industrial extraction where fire safety is required

Technical specifications

Material	Polyurethane (PUR), flame-retardant
Colour	Black
Wall construction	Flame-retardant PUR wall with embedded stainless steel spiral (1.4301)
Spiral material	Stainless steel 1.4301
Conveying media	Gas, Dust, Liquid, Granulate
Temperature range	-40 °C – 90 °C
Short-term peak	125 °C
Cut to length	Yes
Manufacturer SKU	3520000

Standards and compliance

ul94-v0, din-4102-b1, din-5510-2, fmvss-302, REACH, RoHS

Dimensions and ordering

The hose is supplied in 18 standard sizes from inner Ø 20.0 mm to 450.0 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	27	0.9	-	-	34	20	0.2	35200200000
22	29	0.9	-	-	36	20	0.21	35200220000
38	46	0.9	-	-	52	25	0.34	35200380000
42	50	0.9	-	-	60	20	0.37	35200420000
50	58	0.9	-	0.285	64	30	0.44	35200500000
54	62	0.9	1.175	0.235	68	20	0.47	35200540000
60	68	0.9	-	0.235	75	30	0.52	35200600000
77	86	0.9	0.79	0.115	97	15	0.65	35200770000
90	99	0.9	-	0.115	109	30	0.76	35200900000
100	109	0.9	-	0.11	121	25	0.97	35201000000
102	111	0.9	0.7	0.1	122	10	0.99	35201020000
115	124	0.9	-	0.095	136	25	1.11	35201150000
150	159	0.9	-	0.065	175	20	1.59	35201500000
160	169	0.9	-	0.065	186	20	1.61	35201600000
180	189	0.9	-	0.055	208	20	1.9	35201800000
200	209	0.9	-	0.05	230	15	2.11	35202000000
250	260	0.9	-	0.035	285	15	2.4	35202500000
450	460	0.9	-	0.02	508	10	4.82	35204500000

Overpressure and underpressure are recommended operating limits; products can be subjected to higher loads on request. The bend radius is measured along the inside of the hose bend.

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