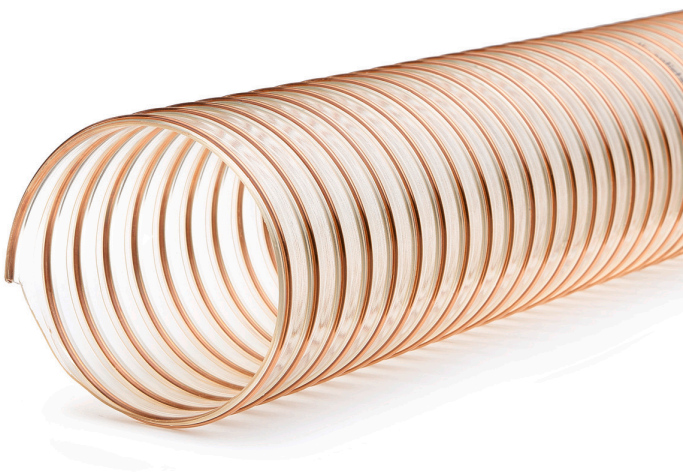
SMARTFLEX® 1.0

Medium weight and flexible spiral hose made of Polyurethane, flame retardant



Applications	wood dust extraction, sawing & milling, grass extraction, leaf extraction, conveying of abrasive media
Structure	Polyether-Polyurethane, transparent, steel wire / spring steel wire / not coated / copper plated
Temperature	-40°C up to 100°C, short term up to 125°C
Properties	flame-retardant, permanently antistatic (R < 10^9 Ohm), hydrolysis & microbe resistant, good flexibility, very smooth inside, corrugated outside
Norms	flame-retardant according to DIN 4102 / B1 | TRBS 2153/TRGS 727, ATEX 2014/34/EU / pneumatic transport of combustible dusts (inside: zone 20, 21, 22) | discharge capability according to BGI 739-2 with spiral earthing





made in Germany

Inner Diameter (mm)	Outer Diameter (mm)	Wall Thickness (mm)	Bending Radius (mm)	Max. Operating Pressure (bar)	Vacuum Max. (bar)	Total Weight per Piece (kg)	Length (m)	Article Number
100	107,00	1,00	85	0,70	0,23	13,80	15	100318100015
110	117,00	1,00	94	0,65	0,20	15,15	15	100318110015
150	158,00	1,00	128	0,45	0,15	18,70	15	100318150015
200	208,00	1,00	170	0,30	0,11	30,37	15	100318200015
250	258,00	1,00	213	0,25	0,08	25,26	10	100318250010

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All technical data, measured at 23°C, are general orientation values and are subject to production-related tolerances. Max. operating pressures apply only for short periods. Technical changes and color deviations are subject to change. Other versions are available upon request.
Date: 24.11.2026