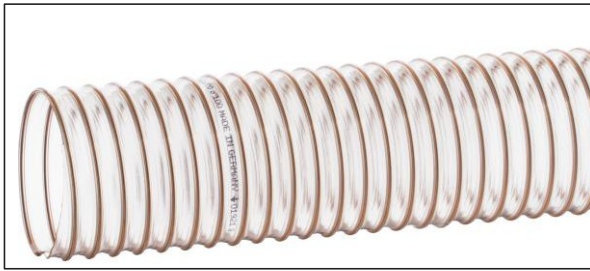


Abrasion-resistant hoses



ECO 1.0 / ECO 1.0 SE / ECO 1.0 AS

Medium-heavy, environmentally-friendly and economical hose for extraction and transport of chips, particles, granulates

Hose material: transparent polyether - polyurethane, 1.0 mm thick

Reinforcement: steel wire coil

Operating temp: -40°C to +100°C (temporarily up to +125°C)

Robust, flexible medium-thickness hose for discharging shavings, bulk materials, granules, etc. For all types of industry, in particular often used in the woodworking, furniture, ceramics, plastics etc. industries. Medium wall thickness and dense reinforcing spiral provides higher pressure parameters compared to ECO 0.4, 0.6 and 0.7 hoses. Flexible, very smooth inside, low compressibility. Also flexible at low temperatures. With good abrasion resistance, also resistant to microbes and hydrolysis. Non-toxic, free of halogen compounds and plasticisers. Oil and petrol resistant. Optimum flow direction of the medium is marked with an arrow. Hose wall thickness is measured between the spirals. Assembly on fittings with bridge clamps (right-handed). Other diameters may be available on special request. The hose is available in the following versions:

ECO - basic version;

ECO SE - flame-retardant version (UL94 V-2);

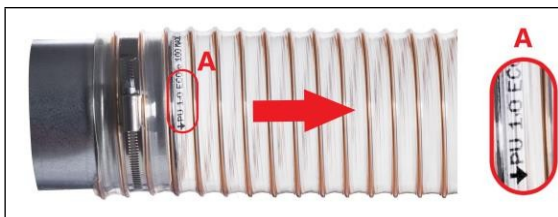
ECO AS - permanently antistatic version (ISO 8031: $R < 10^{(9)\Omega}$, TRGS 727 (6.4.2.4): $R < 2.5 \times 10^{(8)\Omega m}$, Directive 2014/34/EU (ATEX): may be used in **certain** explosion hazardous areas after risk analysis;

ECO SE AS - antistatic and flame-retardant version (available on special request).



The ECO hose is manufactured in Germany in a modern production process that complies with a policy of sustainability. This means the use of recycled raw materials from clean waste from the production process, renewable energy (photovoltaic), a closed water cycle and other innovations to produce a good product at an attractive price.

index (ECO)	index (ECO SE)	index (ECO AS)	internal diameter [mm]	working pressure 23°C [bar]	vacuum 23°C [bar]	bend radius [mm]	mass [kg/m]	standard length [m]
SC-ECO-040-10	SC-ECO-040-10SE	SC-ECO-040-10AS	40	1,25	0,45	52	0,35	10
SC-ECO-050-10	SC-ECO-050-10SE	SC-ECO-050-10AS	50	1,20	0,4	65	0,41	10
SC-ECO-060-10	SC-ECO-060-10SE	SC-ECO-060-10AS	60	1,15	0,35	76	0,47	10
SC-ECO-065-10	SC-ECO-065-10SE	SC-ECO-065-10AS	65	1,12	0,33	85	0,53	10
SC-ECO-070-10	SC-ECO-070-10SE	SC-ECO-070-10AS	70	1,08	0,31	91	0,57	10
SC-ECO-075-10	SC-ECO-075-10SE	SC-ECO-075-10AS	75	1,05	0,3	98	0,61	10
SC-ECO-080-10	SC-ECO-080-10SE	SC-ECO-080-10AS	80	1,05	0,25	104	0,65	10
SC-ECO-090-10	SC-ECO-090-10SE	SC-ECO-090-10AS	90	0,85	0,25	117	0,8	10
SC-ECO-100-10	SC-ECO-100-10SE	SC-ECO-100-10AS	100	0,7	0,23	130	0,95	10
SC-ECO-110-10	SC-ECO-110-10SE	SC-ECO-110-10AS	110	0,65	0,2	143	1,02	10
SC-ECO-120-10	SC-ECO-120-10SE	SC-ECO-120-10AS	120	0,65	0,2	156	1,08	10
SC-ECO-125-10	SC-ECO-125-10SE	SC-ECO-125-10AS	125	0,55	0,2	163	1,13	10
SC-ECO-130-10	SC-ECO-130-10SE	SC-ECO-130-10AS	130	0,55	0,18	169	1,15	10
SC-ECO-140-10	SC-ECO-140-10SE	SC-ECO-140-10AS	140	0,55	0,15	182	1,18	10
SC-ECO-150-10	SC-ECO-150-10SE	SC-ECO-150-10AS	150	0,45	0,15	195	1,25	10
SC-ECO-160-10	SC-ECO-160-10SE	SC-ECO-160-10AS	160	0,4	0,15	208	1,34	10
SC-ECO-175-10	SC-ECO-175-10SE	SC-ECO-175-10AS	175	0,36	0,13	228	1,63	10
SC-ECO-180-10	SC-ECO-180-10SE	SC-ECO-180-10AS	180	0,35	0,12	234	1,68	10
SC-ECO-200-10	SC-ECO-200-10SE	SC-ECO-200-10AS	200	0,3	0,1	260	1,87	10
SC-ECO-225-10	SC-ECO-225-10SE	SC-ECO-225-10AS	225	0,25	0,09	293	2,11	10
SC-ECO-250-10	SC-ECO-250-10SE	SC-ECO-250-10AS	250	0,25	0,09	325	2,35	10
SC-ECO-275-10	SC-ECO-275-10SE	SC-ECO-275-10AS	275	0,22	0,08	358	2,82	10
SC-ECO-300-10	SC-ECO-300-10SE	SC-ECO-300-10AS	300	0,2	0,07	390	3,08	10



Hose ECO 1.0 DN100 mounted on a pipe coupling. The optimal flow direction is marked on the hose with a black arrow. This flow direction is optimal due to the design of the hose (it follows the tabs of the wall material), reduces flow resistance and increases service life. The flow direction is marked on most hoses made of transparent polyurethane.

