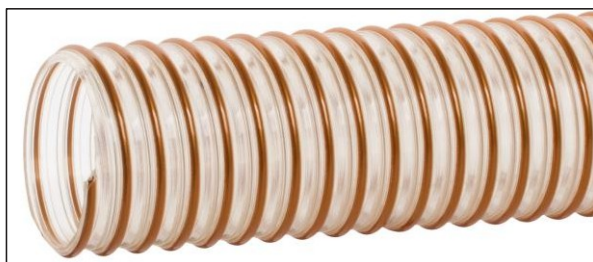


Abrasion-resistant hoses



P3 SV PU / P3 SV PU AE

Extra-strong, thick, flexible, smooth interior hose for abrasive material extraction and transfer

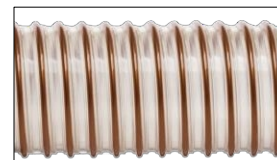
Hose material: polyester - polyurethane (P3 SV PU)
polyether polyurethane (P3 SV PU AE)
transparent, 2.5 mm thick

Reinforcement: steel wire spiral
Operating temp: -40°C to +100°C

Very strong and thick flexible hose designed for extraction and transfer of abrasive bulk materials, granules, sand, gravel, pebbles, agricultural soil. Used for loading and emptying of silos, suction vehicles and excavators, loading from tankers, etc. Thick wall and fairly dense reinforcing spiral for high pressure and vacuum resistance. Smooth inside, incompressible, quite flexible ($r=2.5xD$), flexible also at low temperatures. Hose with good abrasion resistance, also resistant to oil and petrol. Hose wall thickness is measured between the helix. Assembly on couplings with bridge ties (right-handed) or special assembly on industrial end fittings, e.g. flanges. Other diameters may be available on special order. Versions:

P3 SV PU - standard version, in **polyester-polyurethane**, highly abrasion-resistant;

P3 SV PU AE - **polyether-polyurethane** version, abrasion resistant, microbe and hydrolysis resistant, food grade approval.



The P3 SV PU AE hose complies with the European requirements 1935/2004/EC and 10/2011/EU (simulant E), 2023/2006/EC (GMP) and the US FDA 21 CFR 177.2600 and 178.2010. It is suitable for temporary food contact for the transfer of dry, free-flowing, non-fatty food substances - under the conditions specified in the manufacturer's declaration of conformity (available from Tubes International). For additional information on food and pharmaceutical applications, please see the section "Hoses for food products".

index (P3 SV PU)	index (P3 SV PU AE)	internal diameter [mm]	working pressure 23°C [bar]	vacuum 23°C [bar]	bend radius [mm]	approximate mass [kg/m]	standard length [m]
SC-P3SVPU-030	SC-P3SVPUAE-030	30	3,45	0,75	75	0,82	10
SC-P3SVPU-032	SC-P3SVPUAE-032	32	3,4	0,75	80	0,88	10
SC-P3SVPU-035	SC-P3SVPUAE-035	35	3,35	0,75	88	0,96	10
SC-P3SVPU-038	SC-P3SVPUAE-038	38	3,30	0,75	95	1,05	10
SC-P3SVPU-040	SC-P3SVPUAE-040	40	3,30	0,75	100	1,10	10
SC-P3SVPU-045	SC-P3SVPUAE-045	45	3,1	0,75	113	1,22	10
SC-P3SVPU-050	SC-P3SVPUAE-050	50	3,05	0,75	125	1,35	10
SC-P3SVPU-055	SC-P3SVPUAE-055	55	3	0,75	138	1,49	10
SC-P3SVPU-060	SC-P3SVPUAE-060	60	3	0,75	150	1,62	10
SC-P3SVPU-065	SC-P3SVPUAE-065	65	2,9	0,72	163	1,76	10
SC-P3SVPU-070	SC-P3SVPUAE-070	70	2,8	0,7	175	1,89	10
SC-P3SVPU-075	SC-P3SVPUAE-075	75	2,3	0,7	188	1,95	10
SC-P3SVPU-080	SC-P3SVPUAE-080	80	2	0,7	200	2,08	10
SC-P3SVPU-085	SC-P3SVPUAE-085	85	1,9	0,65	213	2,21	10
SC-P3SVPU-090	SC-P3SVPUAE-090	90	1,8	0,6	225	2,34	10
SC-P3SVPU-100	SC-P3SVPUAE-100	100	1,45	0,6	250	2,59	10
SC-P3SVPU-110	SC-P3SVPUAE-110	110	1,3	0,6	275	2,85	10
SC-P3SVPU-120	SC-P3SVPUAE-120	120	1,1	0,55	300	3,10	10
SC-P3SVPU-125	SC-P3SVPUAE-125	125	1,1	0,55	313	3,22	10
SC-P3SVPU-140	SC-P3SVPUAE-140	140	1,05	0,45	350	3,53	10
SC-P3SVPU-150	SC-P3SVPUAE-150	150	0,95	0,45	375	3,72	10
SC-P3SVPU-160	SC-P3SVPUAE-160	160	0,8	0,4	400	3,97	10
SC-P3SVPU-165	SC-P3SVPUAE-165	165	0,75	0,4	413	4,09	10
SC-P3SVPU-180	SC-P3SVPUAE-180	180	0,7	0,4	450	4,19	10
SC-P3SVPU-200	SC-P3SVPUAE-200	200	0,65	0,31	500	4,4	10
SC-P3SVPU-225	SC-P3SVPUAE-225	225	0,6	0,25	563	4,95	10
SC-P3SVPU-250	SC-P3SVPUAE-250	250	0,4	0,22	625	5,50	10
SC-P3SVPU-300	SC-P3SVPUAE-300	300	0,3	0,2	750	6,70	10

P3 SV PU hose can also be mounted on some industrial end fittings - e.g. STORZ, flanged end fittings, etc. Shell clamps can be used for mounting. This is a special assembly, requiring a suitable choice of lugs and clamps - contact Tubes International.

