

Other and special hoses - PVC extraction hoses



**OREGON**

**PVC extraction hose, flame retardant UL 94 V-2**

**Hose material:** soft grey PVC  
**Reinforcement:** Hard PVC spiral  
**Operating temp:** -10°C to +60°C  
 (temperature-dependent operating vacuum)

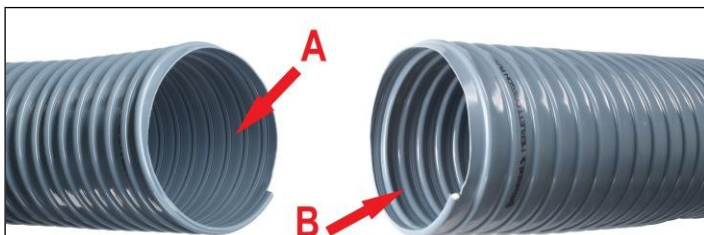
Lightweight, flexible, flexible and almost completely smooth inside (fine grooves) soft polyvinyl chloride (PVC) hose reinforced with hard PVC spiral (right-hand spiral). Designed for extraction of contaminated air, smoke, extraction of dust, chips, fibres in the textile industry, etc. Widely used in a variety of industrial applications. Self-extinguishing and flame-retardant, in accordance with American flammability class UL 94 V-2. Hose assembly with hose clamps on suitable ends, pipe spigots, etc.

index	internal diameter [mm]	external diameter [mm]	overall thickness [mm]	wall thickness* [mm]	vacuum 23°C [bar.]	bend radius [mm]	mass [kg/m]	Roll length [m]
ME-OREGON-020	20	26	3	0,9	0,5	20	0,17	50
ME-OREGON-025	25	30,6	2,8	0,7	0,5	25	0,185	50
ME-OREGON-030	30	35,6	2,8	0,8	0,5	30	0,225	50
ME-OREGON-032	32	38,2	3,1	0,8	0,5	32	0,255	50
ME-OREGON-035	35	41,6	3,3	0,8	0,5	35	0,3	50
ME-OREGON-038	38	44,4	3,2	0,8	0,5	38	0,31	50
ME-OREGON-040	40	46,6	3,3	0,9	0,4	40	0,33	50
ME-OREGON-045	45	51,6	3,3	0,9	0,4	45	0,37	50
ME-OREGON-050	50	57,4	3,7	1	0,4	50	0,44	50
ME-OREGON-060	60	68	4	1	0,4	60	0,56	50
ME-OREGON-063	63,2	71,2	4	1	0,4	63,5	0,6	50
ME-OREGON-070	70	78	4	1	0,4	70	0,64	50
ME-OREGON-075	75	83,8	4,4	1,1	0,4	75	0,73	50
ME-OREGON-080	80,2	89,6	4,7	1,1	0,4	80	0,79	30
ME-OREGON-090	90	99,4	4,7	1,1	0,4	90	0,95	30
ME-OREGON-100	100	109,4	4,7	1	0,4	100	0,98	30
ME-OREGON-110	110	120	5	1,2	0,4	110	1,12	30
ME-OREGON-120	120	131	5,5	1,3	0,4	120	1,3	30
ME-OREGON-125	125	136	5,5	1,3	0,4	125	1,36	30
ME-OREGON-130	130,5	141,9	5,7	1,3	0,4	130	1,44	30
ME-OREGON-140	140,5	152,5	6	1,3	0,4	140	1,6	30
ME-OREGON-150	150	162,2	6,1	1,3	0,4	150	1,76	30
ME-OREGON-160	160,5	173,1	6,3	1,3	0,4	160	1,92	20
ME-OREGON-180	180,5	193,5	6,5	1,3	0,4	180	2,28	20
ME-OREGON-200	200	213,2	6,6	1,4	0,4	200	2,6	20
ME-OREGON-250	251	265,4	7,2	1,4	0,4	250	3,6	15
ME-OREGON-300	304,8	320	7,6	1,5	0,4	300	4,5	10

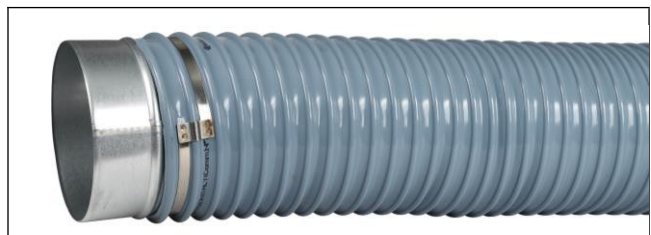
\* - wall thickness measured between the spiral

temperature	20°C	30°C	40°C	50°C	60°C	70°C
pressure	100%	74%	55%	40%	30%	22%

Temperature dependence of burst pressure and working pressure for typical PVC hoses. For vacuum, the decrease in the mechanical properties of PVC with temperature can result in a greater tendency to collapse under vacuum, particularly when the bend radius of the hose is small.



OREGON hose DN150 is practically smooth on the inside when stretched or stretched (as on the outside of the bend arc - surface A). On the inside of the bend arc - surface B, or when the hose is compressed, ripples are visible, which is typical of all spiral-reinforced flexible hoses.



OREGON hose DN150 mounted to a galvanised steel coupling with a bridge clamp (right-handed) - correct assembly. On the other hand, for small hose diameters and small spiral pitch, a wide straight band instead of a bridge band would be more suitable.