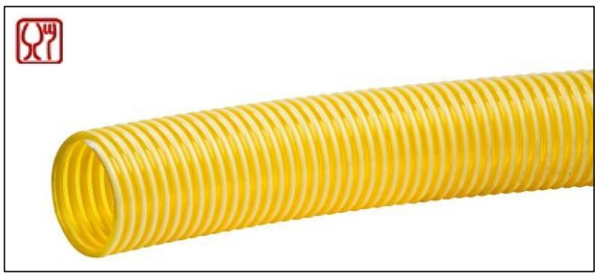
PVC food hoses



LUISIANA

PVC food hose reinforced with hard PVC spiral

Hose material: Transparent yellowish PVC
Reinforcement: hard PVC spiral **Operating temp:** -5°C to +60°C (temperature-dependent operating pressure)

Lightweight and flexible suction and delivery hose for water, juices, beverages, beer, wine, spirits up to 20% and other food products. Not recommended for milk and milk products, oils and fatty foods.
Reinforced with a hard PVC spiral, resistant to impacts, it provides good resistance to vacuum and hose kinking. Transparent wall allows easy visual inspection of flow. Smooth inner surface reduces flow loss and ensures easy cleaning. External surface slightly corrugated.
In applications not involving direct food contact (industry, construction, agriculture) it can be used:

- for light chemicals, water, sludge and waste water, other liquids (without grease, oils and hydrocarbons),
- for air, vacuum transfer of dusts, powders, granulates and other **slightly** abrasive bulk substances (not greasy). Abrasiveness and the possible problem of static electricity must then be taken into account.

The anti-static version of LUISIANA AS additionally has a copper wire embedded in the hose material parallel to the PVC spiral, which, when the ends of the wire are connected to the installation and earthed, ensures the dissipation of electrostatic charges. This version is available on special request.
Index of anti-static version: e.g. ME-LUISIANA-AS-050.

Standards and requirements:
Food industry, food contact: compliant with European requirements 1935/2004/EC and 10/2011/EU (simulants A, B and C), 2023/2006/EC (GMP).

index (standard version)	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	Working pressure 20°C [bar].	Burst pressure 20°C [bar].	20°C vacuum [bar].	bend radius [mm]	mass [kg/m]	Roll length [m]
ME-LUISIANA-020	20	26,2	3,1	8	24	0,7	75	0,28	50
ME-LUISIANA-025	25	31,6	3,3	8	24	0,7	120	0,33	50
ME-LUISIANA-030	30	37	3,5	7	21	0,7	140	0,42	50
ME-LUISIANA-032	32	39,2	3,6	7	21	0,7	150	0,46	50
ME-LUISIANA-035	35	41,8	3,4	7	21	0,7	160	0,50	50
ME-LUISIANA-038	38	45,4	3,7	6,5	19,5	0,7	170	0,55	50
ME-LUISIANA-040	40	47,6	3,8	6,5	19,5	0,7	180	0,61	50
ME-LUISIANA-045	45	52,8	3,7	6,5	19,5	0,7	200	0,67	50
ME-LUISIANA-050	50	58,2	4,1	6	18	0,7	220	0,81	50
ME-LUISIANA-060	60	69	4,5	5	15	0,7	270	0,97	50
ME-LUISIANA-063	63	71,5	4,25	5	15	0,7	290	1,04	50
ME-LUISIANA-070	70	79,2	4,6	4	12	0,7	320	1,20	50
ME-LUISIANA-075	75	85,4	5,2	4	12	0,7	350	1,38	50
ME-LUISIANA-080	80	90,6	5,3	4	12	0,7	360	1,56	25
ME-LUISIANA-090	90	100,4	5,2	4	12	0,7	430	1,80	25
ME-LUISIANA-100	100	112	6	4	12	0,7	480	2,16	25
ME-LUISIANA-102	102	114	6	4	12	0,7	480	2,20	25
ME-LUISIANA-110	110	122	6	4	12	0,6	530	2,40	25
ME-LUISIANA-120	120	132,4	6,2	3	9	0,6	680	2,85	25
ME-LUISIANA-125	125	137,6	6,3	3	9	0,6	730	3,13	25
ME-LUISIANA-150	150	164,4	7,2	3	9	0,5	810	4,25	25
ME-LUISIANA-200	200	218,2	9,1	2	6	0,5	900	6,40	10

Note: indexes highlighted in colour - most commonly used

Temperature dependence of burst pressure and working pressure for typical PVC hoses	temperature	20°C	30°C	40°C	50°C	60°C	70°C
	pressure	100%	74%	55%	40%	30%	22%