

PVC food hoses



SPIRABEL® SNTS

PVC food hose reinforced with hard PVC spiral

Hose material:	transparent PVC
Reinforcement:	Hard PVC spiral
Operating temp:	-15°C to +60°C (temperature-dependent operating pressure)

A lightweight, flexible suction and delivery hose designed for water, juices, beverages and other food products. The absence of phthalates in the material allows the hose to be used to transfer milk and milk products and alcohols with a concentration of up to 50% and a temperature of up to +60°C. Not recommended for oils and greasy foodstuffs.

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. The smooth inner surface reduces flow loss and ensures easy cleaning. The outer surface of the hose is also smooth, which makes it easy to fit end fittings with tapes or bands, reduces external damage from rubbing and makes it easy to keep the hose clean.

In the absence of direct food contact (in 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.

As a hose reinforced only with a hard PVC spiral and no braid, it has some elongation under pressure, which must be taken into account in applications, especially at temperatures above 40°C.

Standards and requirements:

Food industry, food contact: compliant with European requirements 1935/2004/EC and 10/2011/EU (simulants A, B, C and D1), 2023/2006/EC (GMP).

index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	Operating pressure 20°C [bar]	Burst pressure 20°C [bar]	20°C vacuum [bar]	bend radius [mm]	mass [kg/m]	Roll length [m]
TR-SPIRABEL-020	20	25,2	2,6	7	21	0,8	60	0,242	25
TR-SPIRABEL-025	25	30,4	2,7	7	21	0,8	75	0,300	25
TR-SPIRABEL-030	30	35,4	2,7	6	18	0,8	90	0,359	25
TR-SPIRABEL-032	32	37,6	2,8	6	18	0,8	95	0,387	25
TR-SPIRABEL-035	35	41	3	6	18	0,8	105	0,475	25
TR-SPIRABEL-038	38	44	3	6	18	0,8	115	0,504	25
TR-SPIRABEL-040	40	46	3	6	18	0,8	120	0,523	25
TR-SPIRABEL-045	45	51,2	3,1	5	15	0,8	135	0,614	25
TR-SPIRABEL-050	50	56,6	3,3	5	15	0,8	150	0,736	25
TR-SPIRABEL-055	55	61,6	3,3	5	15	0,8	165	0,784	25
TR-SPIRABEL-060	60	66,6	3,3	5	15	0,8	180	0,873	25
TR-SPIRABEL-063	63	69,6	3,3	5	15	0,8	190	0,960	25
TR-SPIRABEL-070	70	76,8	3,4	4	12	0,7	210	1,040	25
TR-SPIRABEL-075	75	84,6	4,8	3	9	0,7	300	1,200	25
TR-SPIRABEL-080	80	90,6	5,3	3	9	0,7	320	1,350	25
TR-SPIRABEL-090	90	102,2	6,1	3	9	0,7	360	1,650	25
TR-SPIRABEL-100	100	112,2	6,1	3	9	0,7	500	1,970	25
TR-SPIRABEL-110	110	122,2	6,1	3	9	0,6	550	2,310	25
TR-SPIRABEL-120	120	132,6	6,3	3	9	0,6	600	2,540	25
TR-SPIRABEL-151	151	163,6	6,3	3	9	0,6	755	4,200	25

Note: indexes highlighted in colour - most commonly used

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



The SPIRABEL hose® SNTS with DIN or SMS hygienic ends, crimped with stainless steel sleeves provides a reliable, safe and economical solution for standard flexible connections in food product installations. Due to the hard PVC spiral, it is preferable to use tips and sleeves with a smooth pressing surface on the hose (deeply corrugated tips and sleeves not recommended).