

## PVC food hoses



### SPIRE ACIER

#### PVC food hose reinforced with steel wire coil

<b>Hose material:</b>	transparent PVC
<b>Reinforcement:</b>	galvanised steel spiral
<b>Operating temp:</b>	-15°C to +60°C (temperature-dependent operating pressure)

A lightweight, highly flexible suction and delivery hose designed for the transfer of water, juices, beverages and other food products at temperatures up to 40°C. The absence of phthalates in the hose material recommends it for the transfer of milk and milk products and alcohols with a concentration of up to 50% and a temperature of up to 40°C. Not recommended for oils and greasy food substances.

Reinforced with a steel wire spiral embedded in a soft PVC wall, it provides good resistance to vacuum and hose kinking. The smooth inner surface reduces flow loss and ensures easy cleaning. The UV-resistant transparent wall allows easy visual inspection of the flow.

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.

As a hose reinforced only with a steel helix (no braid), it is characterised by a certain elongation under pressure, which must be taken into account in the application, 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].	vacuum 20°C [bar].	bend radius [mm]	mass [kg/m]	Roll length [m]
TR-SPIREACIER-010	10	15,5	2,75	12	36	0,9	18	0,16	30
TR-SPIREACIER-012	12	17	2,5	11,5	34,5	0,9	23	0,19	30
TR-SPIREACIER-014	14	20	3	11	33	0,9	26	0,22	30
TR-SPIREACIER-016	16	22	3	10,5	31,5	0,9	30	0,25	30
TR-SPIREACIER-018	18	25	3,5	10	30	0,9	32	0,27	30
TR-SPIREACIER-020	20	27	3,5	10	30	0,9	34	0,33	30
TR-SPIREACIER-025	25	33	4	9,5	28,5	0,9	42	0,51	30
TR-SPIREACIER-030	30	38	4	9	27	0,9	50	0,61	30
TR-SPIREACIER-032	32	40	4	9	27	0,9	53	0,64	30
TR-SPIREACIER-035	35	44	4,5	8	24	0,9	58	0,73	30
TR-SPIREACIER-038	38	46	4	7,5	22,5	0,9	63	0,78	30
TR-SPIREACIER-040	40	50	5	7,5	22,5	0,9	66	0,92	30
TR-SPIREACIER-045	45	55	5	6,5	19,5	0,9	74	1,12	30
TR-SPIREACIER-050	50	60,8	5,4	6	18	0,9	82	1,26	30
TR-SPIREACIER-060	60	72	6	5,5	16,5	0,9	130	1,70	30
TR-SPIREACIER-070	70	83	6,5	5	15	0,9	180	2,04	30
TR-SPIREACIER-076	76	89,2	6,6	4	12	0,9	200	2,23	30
TR-SPIREACIER-080	80	93,2	6,6	3,5	10,5	0,9	172	2,43	20
TR-SPIREACIER-090	90	103,8	6,9	3	9	0,9	192	2,80	20
TR-SPIREACIER-102	102	117,6	7,8	3	9	0,9	300	3,54	20
TR-SPIREACIER-110	110	125,2	7,6	2,5	7,5	0,9	320	3,83	20
TR-SPIREACIER-120	120	135,2	7,6	2,2	6,6	0,9	340	4,14	20
TR-SPIREACIER-150	150	168	9	2	6	0,9	450	6,30	20

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%