

PVC food hoses



PVC STAR PS

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).

Labelling: SO-PVCSTAR-PS-20 Reg. EU 10/2011 A, B, C, D1 www.tubes-international.com Made in France [Lot No.].

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]
SO-PVCSTAR-PS-20	20	25,2	2,6	7	21	0,8	60	0,242	25
SO-PVCSTAR-PS-25	25	30,4	2,7	7	21	0,8	75	0,300	25
SO-PVCSTAR-PS-32	32	37,6	2,8	6	18	0,8	95	0,387	25
SO-PVCSTAR-PS-38	38	44	3	6	18	0,8	115	0,504	25
SO-PVCSTAR-PS-40	40	46	3	6	18	0,8	120	0,523	25
SO-PVCSTAR-PS-50	50	56,6	3,3	5	15	0,8	150	0,736	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%



STAR PS PVC hose 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).