

**PVC food hoses**



**PVC STAR MS 2**

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

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

Lightweight, highly flexible suction and delivery hose for water, juices, beverages, spirits up to 50% and other food products. Not recommended for oils and fatty foods. Suitable for milk and milk products. Reinforcement with a steel wire spiral embedded in a PVC wall provides good resistance to vacuum and hose kinking. The smooth inner surface reduces flow loss and ensures easy cleaning. The transparent wall allows easy visual inspection of the flow. In the absence of direct contact with food (in industry, construction, agriculture), it can be used for light chemicals, water, sludge and waste water, other liquids (without grease, oils and hydrocarbons).

As an unbraided hose, it is characterised by some elongation under pressure.

*The hose is an improved version of the previously offered PVC STAR MS hose with increased resistance to alcohol and dairy products (simulant D1) and better technical performance.*

**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).


**Signage:**

**SO-PVCSTAR-MS2-20** (EU)N°10/2011 Sim.A,B,C,D1 [www.tubes-international.com](http://www.tubes-international.com) Made in France [Lot No.].

index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	Working pressure 20°C [bar].	Burst pressure 20°C [bar].	vacuum 20°C [bar].	bend radius [mm]	mass [kg/m]	Roll length [m]
SO-PVCSTAR-MS2-12	12	17	2,5	11,5	34,5	0,9	23	0,19	30
SO-PVCSTAR-MS2-16	16	22	3	10,5	31,5	0,9	30	0,25	30
SO-PVCSTAR-MS2-20	20	27	3,5	10	30	0,9	34	0,39	30
SO-PVCSTAR-MS2-25	25	33	4	9,5	28,5	0,9	42	0,51	30
SO-PVCSTAR-MS2-32	32	40	4	9	27	0,9	53	0,64	30
SO-PVCSTAR-MS2-38	38	46	4	7,5	22,5	0,9	63	0,78	30
SO-PVCSTAR-MS2-40	40	50	5	7,5	22,5	0,9	66	0,92	30
SO-PVCSTAR-MS2-50	50	60,8	5,4	6	18	0,9	82	1,30	30

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%



STAR PVC hose MS2 DN51 with DIN hygienic end (NH-DZK-050) in AISI 316 stainless steel, fitted with a strong stainless steel screw clamp. In this case, we do not use a lock (flange) on the tail (spigot) of the tip for fixing. The NH-DZK hygienic nozzle has a notched tail (spigot) for the hose and the fixing with a screw clamp is sufficient for the anticipated operating pressures of several bar. At the same time, it provides a quick and inexpensive way of building a system.