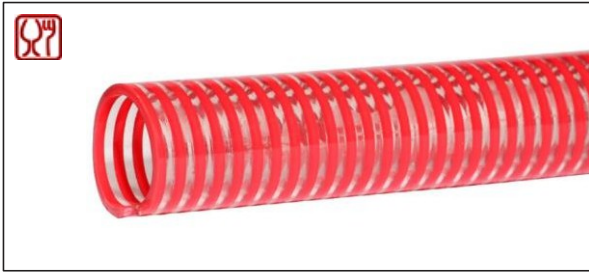


PVC food hoses



SPIRABEL® RS

PVC food hose reinforced with hard PVC spiral for the wine industry

Hose material: transparent PVC
Reinforcement: Hard PVC spiral
Operating temp: -25°C to +60°C
 (temperature-dependent operating pressure)

A robust, lightweight and highly flexible (even at **low** temperatures) suction and delivery hose designed specifically for the wine industry for heavier working conditions. Stronger than SPIRABEL® SNTS hose, with a thicker wall. A hose for demanding applications. Designed for the transfer of water, beer, fine wines and spirits up to 50% concentration and temperatures up to +40°C, juices, beverages and other food products. Does not contain phthalates. Can be used for milk and milk products. Not recommended for oils and oily food substances.

Reinforced with a hard PVC spiral, impact resistant, it provides very good resistance to vacuum and hose kinking. The transparent wall allows easy visual inspection of the flow. Smooth inner surface reduces flow loss and ensures easy cleaning. Smooth outer surface up to a diameter of 63 mm.

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 with a hardened PVC spiral (no braid), it has some 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 (simulation fluids A, B, C and D1), 2023/2006/EC (GMP).

| index | 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] |
|--------------------|------------------------|------------------------|---------------------|------------------------------|----------------------------|--------------------|------------------|-------------|-----------------|
| TR-SPIRABEL-RS-040 | 40 | 48,6 | 4,3 | 7 | 21 | 0,9 | 144 | 0,70 | 25 |
| TR-SPIRABEL-RS-050 | 50 | 59,4 | 4,7 | 7 | 21 | 0,9 | 175 | 1,02 | 25 |
| TR-SPIRABEL-RS-060 | 60 | 69,6 | 4,8 | 6 | 18 | 0,9 | 210 | 1,26 | 25 |
| TR-SPIRABEL-RS-063 | 63 | 73,6 | 5,3 | 6 | 18 | 0,9 | 220 | 1,35 | 25 |
| TR-SPIRABEL-RS-070 | 70 | 81 | 5,5 | 6 | 18 | 0,9 | 245 | 1,60 | 25 |
| TR-SPIRABEL-RS-080 | 80 | 91,4 | 5,7 | 5 | 15 | 0,9 | 280 | 1,80 | 25 |
| TR-SPIRABEL-RS-100 | 100 | 114 | 7 | 5 | 15 | 0,9 | 350 | 2,62 | 25 |
| TR-SPIRABEL-RS-120 | 120 | 136,4 | 8,2 | 5 | 15 | 0,8 | 420 | 3,50 | 25 |

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% |



SPIRABEL hose® RS (DN70) with PERROT nozzle in AISI 316 stainless steel, mounted using a band clamp system.