

Hoses for distribution and refuelling of fuels and oils



SPIRABEL[®] OIL

PVC hose reinforced with hard PVC spiral, oil-resistant

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

A lightweight and flexible suction and delivery hose made from a special oil-resistant PVC compound. Designed for the transfer of mineral oils and hydrocarbons as well as industrial water, waste water, liquid fertilisers, some chemicals - particularly where increased resistance of PVC to hydrocarbons is required. Not suitable for aromatic hydrocarbons (benzene, toluene, xylene, etc.). Can be used for some chemical products - dilute acids, bases and alcohols. The hose retains its flexibility even at sub-zero operating temperatures, and its light weight and small bending radius ensure convenience and ease of handling. Reinforcement with a hard PVC spiral, which is impact resistant, provides very good resistance to vacuum and hose kinking. Smooth inner and outer surface. Resistant to UV radiation, ozone, weather conditions, abrasion. Widely used in industry, agriculture, construction and roads.

As a reinforced hard PVC spiral hose (without 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.

Chemical resistance check: PVC **chemical** resistance table (pre-selection), manufacturer's PVC resistance table column B (available from Tubes International, pre-selection), confirmation of resistance and conditions of use by Tubes International.

index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	working pressure 20°C [bar]	Bursting pressure 20°C [bar]	20°C vacuum [bar]	bend radius [mm]	mass [kg/m]	Roll length [m]
TR-SPIRABEL-OIL-025	25	33	4,0	5	15	0,95	88	0,485	30
TR-SPIRABEL-OIL-032	32	40	4,0	5	15	0,95	112	0,585	30
TR-SPIRABEL-OIL-038	38	46	4,0	5	15	0,95	133	0,715	30
TR-SPIRABEL-OIL-040	40	48,4	4,2	5	15	0,95	135	0,820	30
TR-SPIRABEL-OIL-051	51	60,2	4,6	5	15	0,95	179	1,105	30
TR-SPIRABEL-OIL-060	60	70	5,0	4	12	0,95	211	1,360	30
TR-SPIRABEL-OIL-063	63	73	5,0	4	12	0,95	221	1,465	30
TR-SPIRABEL-OIL-076	76	86,6	5,3	4	12	0,95	266	1,780	30
TR-SPIRABEL-OIL-080	80	91	5,5	4	12	0,95	280	2,069	30
TR-SPIRABEL-OIL-102	102	114,6	6,3	3	9	0,95	357	2,820	30
TR-SPIRABEL-OIL-152	152	166	7	2	6	0,95	680	4,820	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%



SPIRABEL OIL hose DN25 with fitted STORZ brass coupling size 25-D (clip spacing 31 mm) ST-12-031025-30 fitted with galvanised steel worm band AB-03009003. The hose will be used for oily wastewater.