



Water and air hoses - general information

Water and air hoses are used for industrial water, waste water, cooling water, washing with cold and hot water, compressed air (compressors, pneumatic tools, reels). The hoses are made of rubber, PVC, polyethylene and have suitable reinforcement in the form of a braid, plastic or steel spiral. In addition to hoses for general industrial applications, this group includes specialised hoses for:

- emptying of portable toilets,
- cooling systems for blast furnaces,
- engine cooling systems,
- motor boats and yachts,
- hot air in tanker trucks,
- fire applications,
- snow cannons.

Hose ends for water and air hoses (see section INDUSTRIAL FITTINGS) are to be assembled with twist ties and hose clamps. They can also be pressed by machine using collets.

You can also find hoses for water and air in the sections: universal hoses, hoses for food substances, metal pressure hoses, Teflon hoses, TYGON hoses and in the sections: HIGH PRESSURE and PNEUMATICS. Specialised hoses for cleaning and washing can be found in the CLEANING & WASHING section.

Water hoses



TRICOFLEX

Water hose for horticulture and construction

- Inner layer:** 2-ply black PVC
- Reinforcement:** Strong woven polyester braid
- Outer layer:** 2-ply yellow PVC
- Operating temp:** -15°C to +60°C
(temperature-dependent operating pressure)

A flexible general purpose water delivery hose manufactured in France. The multi-layered construction and strong woven braid ensures high flexibility and no kinking for easy manual handling of the hose. Very good resistance to repeated bending, crushing and stretching. Low deformation under pressure. Smooth inner layer ensures good flow. Outer layer resistant to abrasion, ageing and UV radiation. Due to its design, it is particularly recommended for irrigation systems in agriculture, horticulture and construction and road construction.

index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	working pressure 20°C [bar]	20°C burst pressure [bar]	bend radius [mm]	mass [kg/m]	Roll length [m]
TR-TRICOFLEX-13	12,5	17,6	2,55	10	25	62,5	0,14	50
TR-TRICOFLEX-15	15	20,5	2,75	10	25	67,5	0,18	50
TR-TRICOFLEX-19	19	25,3	3,15	9	23	90	0,26	50
TR-TRICOFLEX-25	25	32,3	3,65	8	20	120	0,44	50
TR-TRICOFLEX-30	30	39	4,5	8	20	150	0,64	50
TR-TRICOFLEX-35	35	45	5	8	20	175	0,82	50
TR-TRICOFLEX-40	40	51	5,5	8	20	200	1,03	50
TR-TRICOFLEX-50	50	63	6,5	8	20	250	1,51	50

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%

The multilayer construction of the TRICOFLEX hose ensures optimum handling properties:

- 1 - UV-resistant PVC outer layer
- 2 - intermediate flexible PVC layer
- 3 - woven ("tricot") polyester braid
- 4 - intermediate soft PVC layer
- 5 - smooth PVC inner layer

Hose DN13 with NiTO CLICK quick-connector plug (NT-59600A3) in nickel-plated brass clamped by a clamping ring with insert (AB-23012407) in 316 steel.

