

**Hoses for food substances and drinking water**



**PROFILINE AQUA PLUS**

**KTW-approved polyethylene hose for foodstuffs and drinking water**

**Inner layer:** HDPE polyethylene  
**Intermediate layers:** natural soft polyethylene PE  
**Reinforcement:** Polyester braid  
**Outer layer:** Blue soft polyethylene PE  
**Operating temp:** -15°C to +60°C  
 (temperature-dependent operating pressure)

Flexible hose designed for the transfer of liquid foodstuffs, drinking water, chemicals. The inner layer of the hose is made of high-density polyethylene (HDPE) of food-grade quality. This material meets the high requirements for drinking water both in terms of the non-migration of constituents into the water backing up in the hose and in terms of the lack of tendency to form a biofilm (microbiological test). At the same time, it meets food contact requirements for liquid food substances (simulants A, B, C, D1, D2) and has very high chemical resistance (acids, bases, hydrocarbons, solvents). Therefore, the hose can be used for:

- drinking water installations (**Germany: KTW, DVGW**);
  - liquid food substances (water, fruit juices, alcohols, milk and milk products, fats and oils);
  - chemicals in a wide range (selection according to the rules in the "Chemical hoses" section of this catalogue);
- Thanks to the multilayer construction of the hose, where the intermediate and outer layers are made of soft polyethylene, the hose is more resistant to bending than typical polyethylene hoses.

**Assembly:**

Ends with a spigot ("tail" to the hose) that do not have sharp notches that could cut the HDPE inner layer when clamped should be used.

**Standards and requirements:**

Food industry, food contact: in compliance with European requirements 1935/2004/EC and 10/2011/EU (simulants A, B, C, D1, D2), 2023/2006/EC (GMP).

Approval for drinking water KTW-A (certificate of the German Institute of Hygiene) and DVGW W270 (microbiological material test).

index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	Working pressure 20°C [bar].	Burst pressure 20°C [bar].	bend radius [mm]	mass [kg/m]	Roll length [m]
TR-PROFIAQUAPLUS-10	10	15	2,5	16	48	45	0,087	50
TR-PROFIAQUAPLUS-13	13	20	3,5	16	48	70	0,161	50
TR-PROFIAQUAPLUS-19	19	27	4	16	48	107,5	0,254	50
TR-PROFIAQUAPLUS-25	25	34,5	4,75	16	48	147,5	0,394	50

Note: indexes highlighted in colour - most commonly used



**PROFILINE AQUA PLUS** hose is very flexible and supple. It can be used for all liquid foodstuffs (simulants A, B, C, D1, D2), for many chemicals and for drinking water (where KTW certification is in force).

Next to PROFILINE AQUA PLUS hose DN 10 with a TRICLOVER hygienic tip (AF- FXXTC-034-10-010) in AISI 316 stainless steel mounted with a collet (AF-THU-06, galvanised steel). An even better solution is to forge with a stainless steel bushing (AF-THU-06-SS).