

CMT

FLEXIBLES

AQUAPAL® WRAS Approved

Drinking Water Transfer Hose



Stock :: Delivery :: Site Survey :: Development :: Hose Assemblies :: Testing :: Certification

AQUAPAL® Hose (WRAS Approved)

Drinking Water Transfer Hose

Water intended for human consumption is subject to the stringent provisions of the drinking water regulations which also encompass the transport of drinking water. This results in very specific requirements both hygienic and mechanical - for the hoses and hose lines.

Drinking water regulations (TrinkwV 2001) the legislator has translated the provisions of the European Drinking Water Directive (98/83/EG) into national law. The purpose of the drinking water regulations is to protect human health against detrimental effects that may result from the potential contamination of water.

According to the regulations, drinking water must be esculent and pure. The drinking water regulations also stipulate which materials may be used in contact with drinking water.

According to Section 17, materials must not impede the protection of human health, either directly or indirectly, or negatively impact the odour or taste of the water. In addition, substances must not be allowed to come into contact with water in higher concentrations as far as can be avoided according to the generally recognised technological rules.

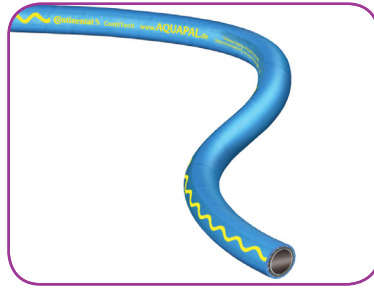
Section 17 also states that facilities for the extraction, treatment, or distribution of drinking water are to be planned, constructed, and operated at least according to the generally recognised technological rules. In this way, the drinking water regulations establish a direct link with the generally recognised technological rules.

Generally Recognised Technological Rules

If a hose fulfils the generally recognised technological rules, it complies with the drinking water regulations and can therefore be used as a drinking water hose. Compliance with the generally recognised technological rules must be checked by an accredited certifier and verified with a certificate. The generally recognised technological rules therefore act as the basic requirements for drinking water hoses. The generally recognised technological rules are shown below;

- **Elastomer Guideline**
- **KTW Guideline**
- **DVGW W270**
- **DVGW VP549**
- **DVGW W291**
- **DVGW W543**
- **DIN 2000**
- **DIN 2001-1+2**





AQUAPAL® Hose is the ideal drinking water hose for use in the food and beverage industry, in the broad area of camping and RV vehicle needs, for filling drinking water tanks, in canteen kitchens, for municipal emergency supply lines, open-air events, and many other areas. The special transparent, plastomer, and plasticizer-free inner lining of the hose is homogeneous, smooth and absolutely neutral to taste and odour.

AQUAPAL® meets all the German recommendations and regulations for the transport of potable water.

- Special transparent inner lining, free of plasticisers
- Reinforcements: synthetic fibres
- Blue, fabric patterned NBR-cover, resistant to ozone, weather, UV, oils, fats and abrasion
- Working pressure up to 20 bar / 290 psi
- Temperature resistance from -30°C to +90°C / -22°F to +194°F
- Can be steamed up to +130°C / +266°F (max. 30 minutes)
- Absolutely neutral to taste and odour
- Highly flexible, can be overrun (except construction with steel wire helix)
- Meets the KTW-Leitlinie "Rohre", DVGW W270, DVGW VP 549 and WRAS
- Meets the requirements of EG 1935/2004, EG 2023/2006 and EU 10/2011
- Meets FDA (21 CFR 177.2600)
- 3 years warranty



AQUAPAL® Hose (WRAS Approved) - Technical Data

Inside Diameter		Outside Diameter		Working Pressure		Burst Pressure		Bend Radius	Weight	CMT Part Number
(mm)	(inch)	(mm)	(inch)	(psi)	(bar)	(Psi)	(bar)	(mm)	(kg's/mtr)	
13	1/2	20.2	-	290	20	870	60	75	0.25	0935006
19	3/4	17.4	-	290	20	870	60	110	0.42	0935010
25	1	34	-	290	20	870	60	145	0.57	0935016
32	1 ¼	43	-	290	20	870	60	280	0.87	0935020
38	1 ½	51	-	290	20	870	60	330	1.20	0935022
50	2	65	-	290	20	870	60	435	1.79	0935024
Aquapal Suction & Discharge Hose (constructed with steel wire helix)										
50	2	65	-	290	20	870	20	250	2.29	0935030
75	3	90	-	290	20	870	20	375	3.30	0935032
100	4	116	-	290	20	870	20	500	4.72	0935034



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