



AQUAPAL® DB

The highly flexible hose for potable water

Application

The AQUAPAL® DB is clean, highly flexible, sturdy and specially developed for the needs of railway systems. The special inner lining is absolutely neutral to taste and odour. It has been tested in accordance with KTW "pipework" guidelines and DVGW W270, and is approved for transporting water. It has also been approved by the Deutsche Bahn AG as a drinking water hose. Moreover it owns the fire control and toxicity certificate according to DIN 5510-2.

Marking

blue wavy line on red cover, axially applied "ContiTech ContiTech AQUAPAL® DB DIN 5510-2 KTW "A" DVGW 270"

Description

- › Special transparent inner lining, free of plasticisers, according to FDA (21 CFR 177.2600)
- › Reinforcements: synthetic fibres
- › Red, fabric patterned CR-EPDM-cover resistant to ozone, weather, UV, excrements, fats and abrasion
- › Working pressure up to 20 bar / 290 psi
- › Temperature range from -20°C up to +90°C / -4°F up 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" and DVGW W270
- › Meets the requirements of fire and smoke gas toxicity according to DIN 5510-2
- › Potable Water Hose Deutsche Bahn AG Approval

Technical data

nominal width zoll/inch	inner-Ø mm	wall thickness mm	length m	steel wire helix	working pressure		min. burst pressure		min. bending radius aprx. mm	weight aprx. g/m
					bar	psi	bar	psi		
1/2	13	3,6	40		20	290	60	870	75	250
3/4	19	4,2	40		20	290	60	870	110	420
1	25	4,5	25		20	290	60	870	145	570
1	25	4,5	40		20	290	60	870	145	570
1	25	6,0	40	•	20	290	60	870	115	965
1 1/4	32	5,5	40		20	290	60	870	280	870
1 3/8	35	6,0	40		20	290	60	870	305	1053
1 9/16	40	6,5	40		20	290	60	870	360	1308
1 5/8	42	6,0	40		20	290	60	870	380	1237
1 3/4	45	7,5	40		20	290	60	870	390	1678

Pressure based on room temperature / High pressure and/or temperature lead to reduced component durability

