



**Engineering progress
Enhancing lives**

RAUAQUA and RAUAQUA Varioflex plus drinking water hoses

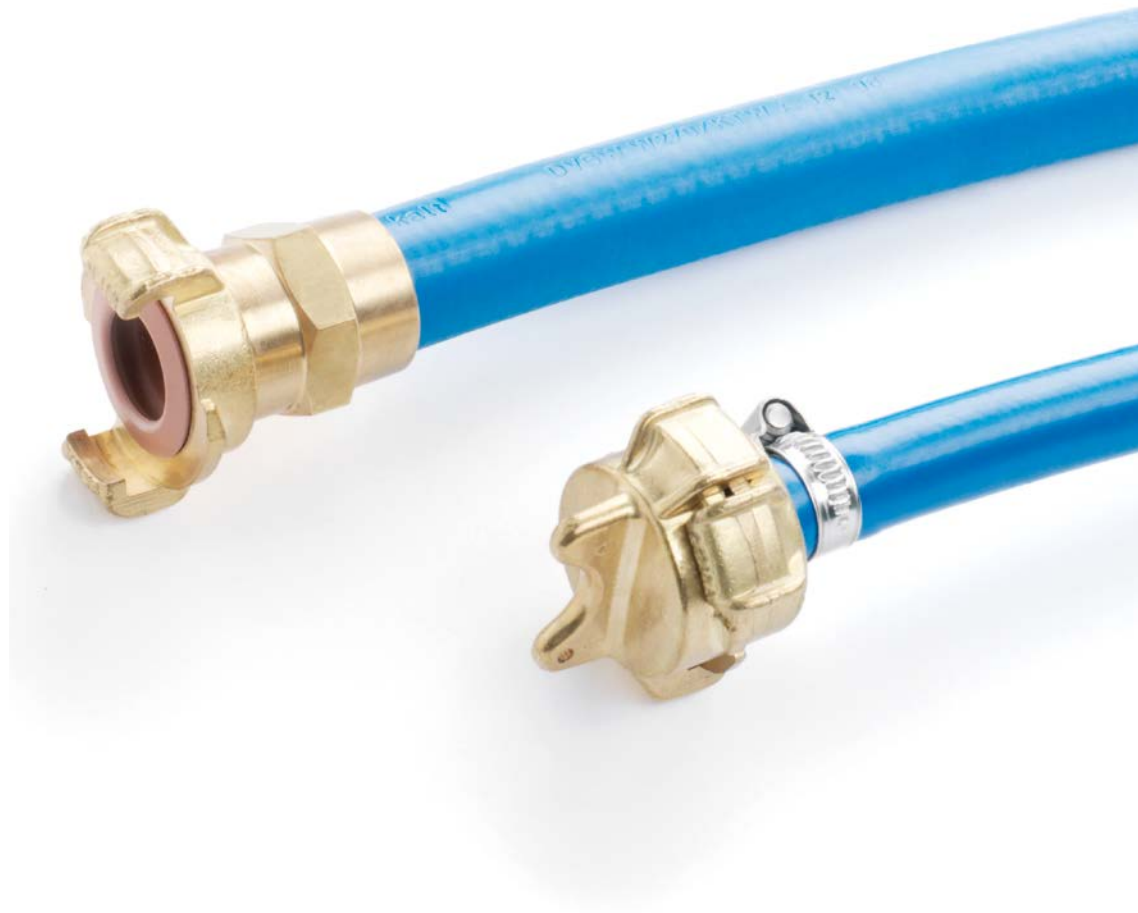
Technical information



RAUAQUA and RAUAQUA Varioflex plus

- Multi-layer hose for use in drinking water and food applications
- Meets the strict requirements of the UBA assessment criteria; certified according to SYSTEM 1+ with independent monitoring for drinking water hygiene suitability
- Declaration of conformity in accordance with Regulation (EC) No. 1935/2004 and Regulation (EU) No. 10/2011; suitable for food simulants A, B, C, D1
- Completely opaque, thus counteracting the formation of dangerous microbes and algae
- Permanent marking by embossing
- Homogeneous connection
- UV-resistant, abrasion-resistant and resistant to commercially available cleaning agents and disinfectants (based on DVGW W319 and W291)
- Temperature range of material: -20 °C to +65 °C

Please observe the technical information for integration on page 4 of this document.



Cleaning advice

Instructions

- During assembly and dismantling of the hose connection, and also transport, it is to be ensured that the parts that will come into contact with water are not contaminated.
- Before each new connection (first and recommissioning) hoses, connection systems, seals and armatures must be checked for contamination and damage.
- In any case mechanical cleaning by means of flushing and rinsing is to be carried out; if necessary cleaning with chemical or physical methods and if required disinfection.
- The DVGW W319 worksheet can be used as a basis.

1. Mechanical cleaning

Clean the hose armatures and seals thoroughly before assembly and flush through with clear drinking water; flush the hose through thoroughly with drinking water (max. water temperature 60 °C) for 5 mins. minimum.

2. Chemical cleaning

This should only be used:

- for extreme contamination
- if the hose has not been used for a long time

Commercial cleaning agents can be used for this in the concentration and under the conditions specified by the cleaning agent manufacturer.



Mechanical cleaning must be carried out following chemical cleaning, the DVGW W319 worksheet can be used as a basis.

Of course the RAUAQUA and RAUAQUA varioflex plus hoses are resistant to disinfection agents according to worksheet DVGW W291; the relevant use and safety information is to be followed absolutely.



Drinking water hoses should be used exclusively for the supply of drinking water!

Notes on integrating RAUAQUA Varioflex and RAUAQUA T-Flex drinking water hoses

The maximum operating pressure values were determined with a safety factor ≥ 3 based on static burst pressure values. The burst pressure values were determined in accordance with DIN EN ISO 1402. For dynamic applications, a safety factor of ≥ 4 must be taken into account when calculating the operating pressures (reduction of the operating pressure).

The burst pressures were determined on pressed lines at 20°C/room temperature. If a connection technology other than pressing is used, the user must check its suitability with regard to pressure and temperature.

In particular, we cannot make any general recommendations for Geka® Plus quick couplings, type XK or similar couplings. The user must test the application before installation depending on the specific application (pressure, temperature, creep behaviour). For a secure connection, we recommend compression as the only connection method.

Please also observe the instructions of the coupling and fitting manufacturer in all cases.