

Edition No. 3 2016 | 23rd February 2016

TECHNEWS

technews@aquatherm.de



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RENOVATION OF STATLER HOTEL DALLAS

In January this year the renovation of the Statler Hotel Dallas was completed. The historic 20-storey hotel is located in Downtown Dallas, Texas. The products aquatherm blue pipe and aquatherm green pipe were installed.

The details of the renovation were captured in an impressive video that you should watch necessarily:

<https://youtu.be/nYksOwVqkW8>



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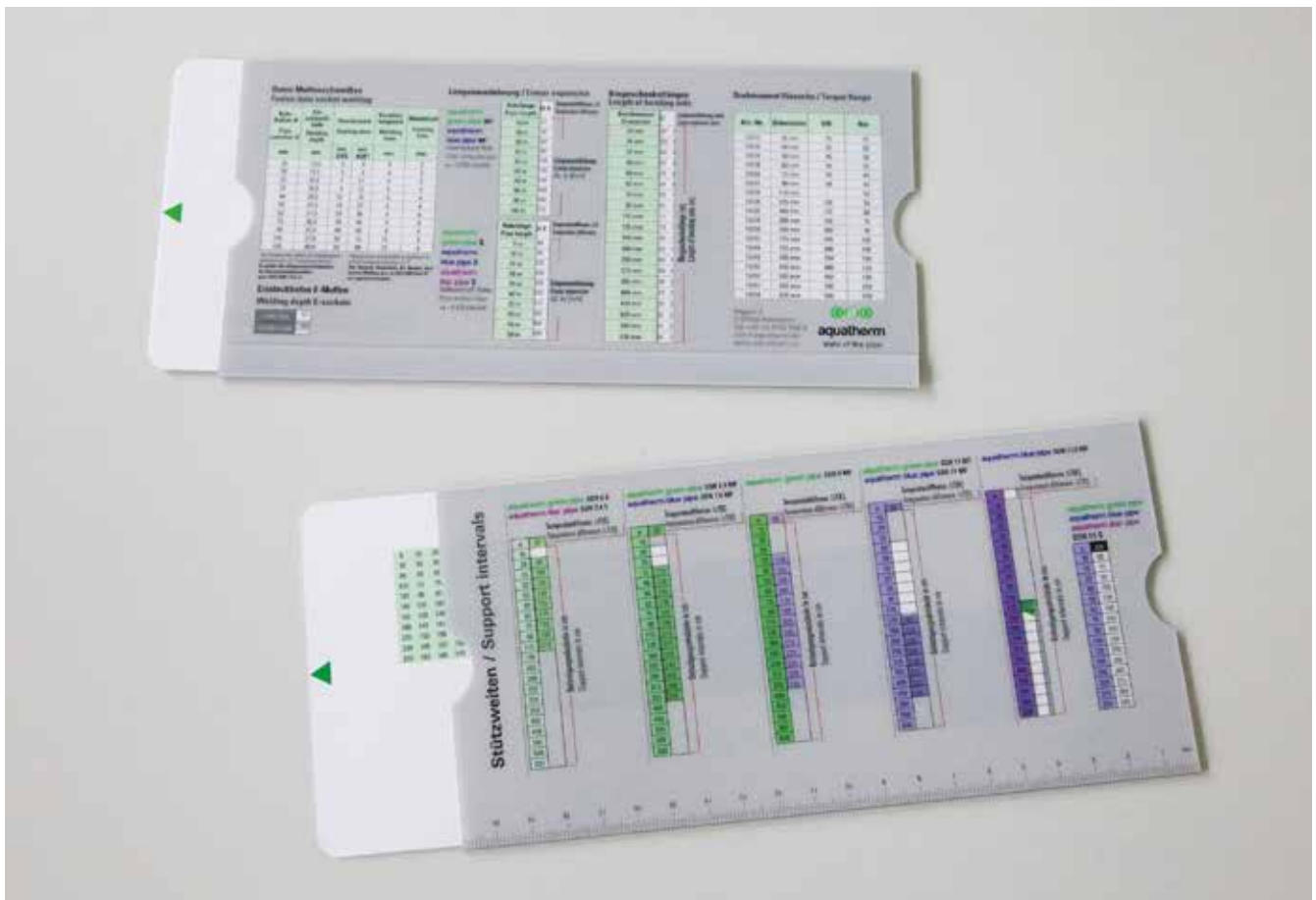
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SLIDING TABLE FOR DETERMINATION OF SUPPORT INTERVALS

aquatherm has developed a new tool to determine quickly and individually the support intervals of the products aquatherm green pipe, blue pipe and lilac pipe. Also the linear expansion, the length of bending side and the welding depth of E-sockets can be easily read on this sliding table.

Please contact our information service for the sliding table.



COMMENT ON GASKETS FOR THE USE WITH C110 BALL VALVES

Ball valves C110 DN80 (d90 – art. no. 41602), C110 DN 100 (d110/d125 – art. no. 41604) and C110 DN150 (d160 – art.no. 41607) can be used with the gaskets enclosed.

Marks of the nut (see picture 1) will be formed on the sealing, respectively of the grooves on the opposite side (see picture 2) which however will not have any influence on the sealing properties.



1) Marks of the nut



2) Grooves on the opposite side

The photos above refer to ball valve C110 (art. 41407) which was pressure tested over a period of two years at 20°C and 21.6 bar. No leakages were detected.

If the connection between flange adapter and ball valve is opened again, the gaskets have to be replaced by new, unused gaskets in any case.

Furthermore please note: Not to use any O-ring gaskets, neither individually, nor in combination with flat gaskets.





ADDENDUM TO TECHNEWS ISSUE NO. 1 2013 CHLORINE DIOXIDE AS DISINFECTANT

The use of chlorine dioxide as disinfectant in the drinking water supply was increasing in some countries over the last years. Reasons for that are the easy and low-priced production and dosing of chlorine dioxide, compared to chlorine. In addition the chemical reactivity, and thus the disinfecting effect, is about three times higher than in case of chlorine.

Materials in the drinking water system are however affected due to this high oxidation potential, too. Along with sealing materials, piping components are damaged, regardless of whether these are made of plastic or metal.

Therefore, we cannot recommend using chlorine dioxide with our system components.

CHEMICAL AND THERMAL DISINFECTION OF AQUATHERM DRINKING WATER SYSTEMS MADE OF POLYPROPYLENE

a) chemical disinfection of the system

Contrary to the disinfection of drinking water, the disinfection of a system is a discontinuous measure, comprising a drinking water system from the area of contamination to the tapping point of the consumer. In general, a disinfection is to be applied temporarily only in case of a proven contamination.

In the discontinuous disinfection aquatherm pipes and the corresponding system components and fittings may be charged with a disinfectant solution having a free chlorine content up to 50 mg/l over a maximum of 12 hours twice a year.

Alternatively, 150 mg/l hydrogen peroxide (H₂O₂) can be used for 24 hours. A temperature of 30 °C must not be exceeded during the disinfection process.

The use of a disinfection process, especially with chlorinated waters can have a direct influence on the lifetime of the drinking water system. It is not recommended using chlorine dioxide.

b) chemical disinfection of drinking water

In case of continuous disinfection with chlorinated drinking water, it can be used with a content of free chlorine of up to 0.3 mg/l (limit according to 2001 drinking water ordinance). The maximum temperature of 70°C should not be exceeded.

The use of chlorine dioxide is not recommended.

A prophylactic and permanent disinfection is contradictory to the requirement of minimization of the drinking water ordinance and is consequently not to be carried out.

c) thermal disinfection of the system

In general, a thermal disinfection according to DVGW W551 is possible.

In case of the thermal disinfection for the prevention of legionella bacteria according to DVGW worksheet W 551, the water temperature will be adjusted in such a way that it amounts to 70°C for at least 3 minutes at all points of the drinking water system. The maximum admissible limits of use regarding the service temperature and pressure are to be observed.

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ZURO-CONSTRUCTION SITE UP-DATED WEBCAM-PHOTO

As already described in Technews No. 1 2015, you can select the up-dated Zuro-Webcam on the homepage of our website www.aquatherm.de. The photo is updated and rewritten every ten minutes around the clock.

The most recent photo of our construction project is presented in each Technews edition:

HERE ARISES ZURO – THE FUTURE OF PIPE PRODUCTION

