

aquatherm GmbH  
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Your ref:  
Our ref: 12/693-13/MIVM/RAHE  
Date: 17.12.2012

## **Approval of aquatherm green pipe system (old: fusiotherm pipe system) for use in drinking water systems offshore**

We refer to e-mails from **aquatherm GmbH**, Germany, 27<sup>th</sup> February and August 1<sup>st</sup> 2012 concerning approval of **aquatherm green pipe system** (old: „fusiotherm pipe system”), including pipes and fittings, for use in contact with drinking water in systems producing drinking water offshore.

### *General information about toxicological evaluation/approval of products in contact with drinking water*

The Norwegian Institute of Public Health, Division of Environmental Medicine, has the authority to approve products (coatings, additives, etc.) in contact with drinking water on installations/ships offshore (The Ministry of Labour and Government Administration; Regulations of 31<sup>st</sup> of August 2001, and The Ministry of Trade and Industry; Regulations of 4th of September 1987). Chemical products to be used in desalination units must also be approved. Such chemical products include also chemicals for use as scale inhibitors, corrosion inhibitors etc., chemicals used for cleaning evaporators, and cooling and heating system additives where the system water is used in evaporators for drinking water production.

The manufacturer and/or the importer of such products are responsible for producing the products according to good manufacturing practice and for the quality of the products. The content of impurities and the migration of components directly or indirectly from such products to drinking water should be as low as technically possible. Furthermore, the migrating substances should not pose any risk to human health.

### *Approval of aquatherm green pipe system (old: „fusiotherm pipe system”) used in systems producing drinking water offshore*

The Norwegian Institute of Public Health has evaluated the product information provided by **aquatherm GmbH**, Germany, and finds **aquatherm green pipe system** (old: „fusiotherm pipe system”) **approved** for use in systems producing drinking water offshore.

### **Premises for this approval are that:**

- a) the specifications for good manufacturing practice are followed**
- b) the producer's recommendations for use are followed**
- c) the products' components do not affect the quality of the drinking water**

It is the responsibility of the manufacturer that the product specification is in all respect the same as that evaluated by the Norwegian Institute of Public Health, and that the product does not pose any harmful or toxic effects in the drinking water.

This approval is based on the product information given in your application and today's knowledge. We have to be informed about any changes in the formulation of the product. A new evaluation may then be necessary, and it may result in a revocation of the approval. If essential changes are made in the formulation, this approval will be annulled automatically and a new application is necessary. Also, if the basis for our evaluation of health effects is changed, the approval will be revoked.

This approval is restricted to the effects on health. It is otherwise no guarantee for the quality of the product and it should not be used in advertisements in a way that gives such an impression (Norwegian Marketing Regulation, Lov-2009-01-2, § 7 and 26).

A complaint about this decision should be addressed to the Ministry of Health and Care Services. Any complaint shall be given grounds for and sent via the Norwegian Institute of Public Health within three weeks.

**Charge of payment will be claimed according to Norwegian Occupational Environmental Laws §18 for products used on ships and offshore installations.**

Yours sincerely,

  
Toril Attramadal  
Division Director

  
Ragna Bogen Hetland  
Senior Scientist