

## thermaliQ clean

### Intended use

thermaliQ clean is used in heating systems that exhibit a high degree of corrosion and silting.

thermaliQ clean detaches, dissolves and mobilises deposits and corrosion products.

As an alternative to the subsequent draining of the system, it is possible to clean the entire system by means of filtration and treatment with mixed bed resin without having to replace the circulation water. Thanks to the filtration as well as the treatment (demineralisation), the agent is removed from the system. Following the cleaning process, preventive corrosion protection can be achieved by using thermaliQ safe.

### Product description and effect

thermaliQ clean is a cleaning agent for heating systems, which has highly dispersing properties.

thermaliQ clean does not have an adverse effect on the seals typically used in the heating trade.

### Application and dosing

In order to clean warm water heating systems that exhibit a high degree of corrosion and silting, we recommend dosing 0.2 percent by volume (1 l per 500 litres of system volume) of thermaliQ clean, which - if necessary - can be increased up to 0.4 percent by volume (1 l per 250 l of system volume). Dosing is effected by means of the thermaliQ filling pump (order no. 150 110), for instance.

The conductivity of the heating water by means of dosing increases by 300 – 600 µS/cm.

The duration of the cleaning depends on the system's degree of contamination. We recommend a cleaning period (circulation within the heating system) of approx. 3 - 6

weeks. Afterwards, the system can be drained and flushed.

In order to separate dissolved particles, we recommend installing a GENO-therm sludge separator. Alternatively, filtration, for instance by means of GENO-Vario mini, can be carried out during the cleaning process.

On account of its ionogenic properties, the agent can be removed by treating it with a mixed bed resin.

For the calculation of the required amount of mixed bed resin the increase of the conductivity by means of the dosing solution has to be taken into account.

To protect the heating system and to ensure reliable corrosion protection, we recommend using thermaliQ safe.

### Chemical / physical properties

Aspect		clear, ochre-coloured liquid
pH value (50%)		approx. 8.5
Density (20 °C)	g/cm <sup>3</sup>	approx. 1.1
Solubility in water		infinitely miscible

### Storage and shelf life

Minimum shelf life after bottling	years	3
Storage temperature	°C	0 – 40

<b>Packaging units</b>			
Unit	Bottle	Canister	Canister
Content	1 l	5 l	10 l
<b>Order no.</b>	<b>170 057</b>	<b>170 058</b>	<b>170 059</b>

### **Environmental compatibility**

thermaliQ clean is free of nitrite, phosphate, borate, zinc and secondary amines. The product is biodegradable.

The concentrated product must not get into the sewage water in larger amounts, however.

Heating water treated with thermaliQ clean may be discharged to the drain without any concern.

### **Storage**

Store the product in its original packaging in a cool, frost-proof place and protect it from light.

### **Safety information**

The product is not a hazardous substance and is not subject to the Ordinance on Hazardous Substances.

For further information, please refer to the safety data sheet.


Please observe the common precautions as well as the protective measures regarding work hygiene when handling chemicals.

---

### **Contact**

Grünbeck AG  
Josef-Grünbeck-Strasse. 1  
89420 Hoechstädt/Germany

 +49 9074 41-0

 +49 9074 41-100

info@gruenbeck.com  
www.gruenbeck.com

