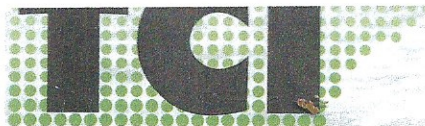


TCI

THERMO CLEAN INTERNATIONAL



Maintain flow rate safely, without harming the enviroment!



THERMO CLEAN INTERNATIONAL

Maintain flow rate sa



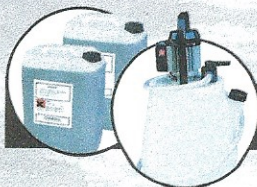
THE PROBLEM...

Clean water does not exist. Even the water we drink contains bacteria, iron, copper, different salts, calcium, humus and much more. Despite different forms of water treatment, layers of rust, humus, lime, magnetite and more will always accumulate inside pipe systems. This coating significantly reduces the efficiency and lifetime of the system. A thin coating of only 0.2 mm can result in a 7 - 10 % efficiency loss. The heat dispersing characteristics of the system become worse as this coating becomes thicker, and resistance increases, so that boilers, radiators, batteries, cooling condensers, etc. lose their effect and must be replaced. Systems with significant deposits inside the pipes will also cost more to operate, needing larger amount of energy (oil or electricity) to produce the required effect. **Thermo Clean** solves this problem, providing a quick payback on a small investment.



THE SOLUTION...

Thermo Clean is a concentrated liquid solution for cleaning water-borne systems such as heating and cooling systems. **Thermo Clean** is unique because it dissolves all accumulated deposits inside the system without harming the system's components. **Thermo Clean** is added to the system in a ratio of 1:10 and circulates together with the water until all deposits are dissolved. **Thermo Clean** is completely non-toxic and is biologically degradable. Because the Ph-value increases during the cleaning process, **Thermo Clean** requires no special handling and can be discharged directly into the public drains after the system is cleaned. **Thermo Clean** is easy to use and does not require special safety measures to be taken during the cleaning process.

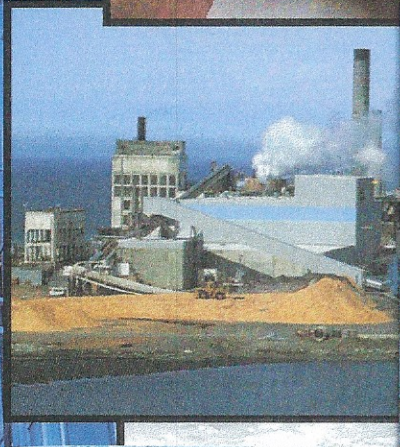
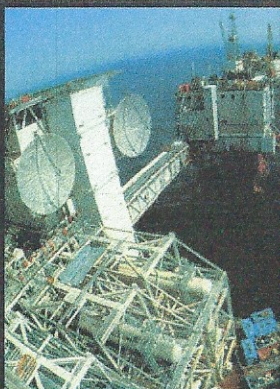
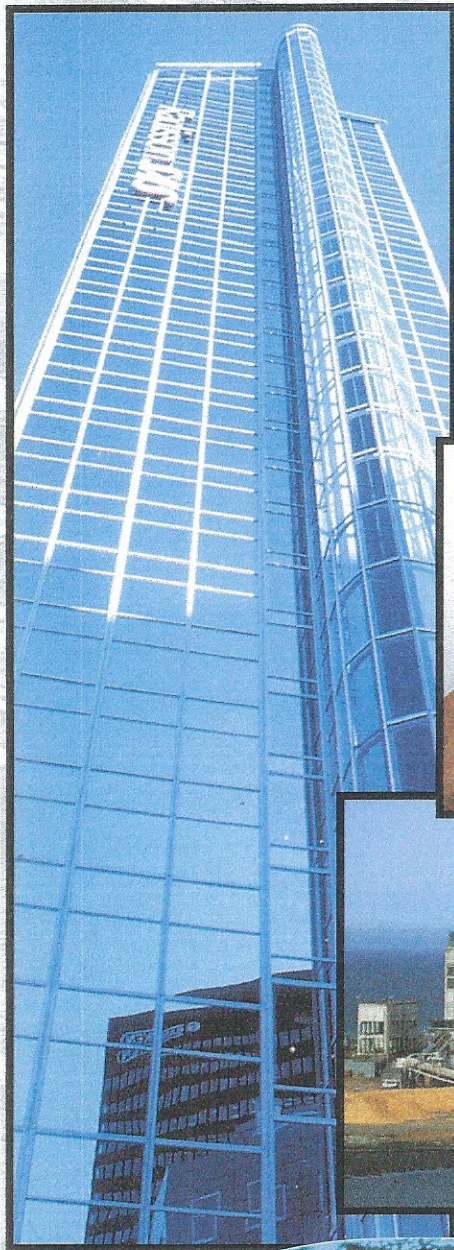


THE PRODUCT AND THE COMPANY

Thermo Clean International a.s is a manufacturing company specializing in production and supply of products for optimal operation of water-borne systems. The company is based in Norway and supplies **Thermo Clean** cleaning solution worldwide. Customers range from large industrial plants on land and offshore to the local plumber. The well-experienced **Thermo Clean** staff can help you with solutions for efficient operation of water-borne systems.

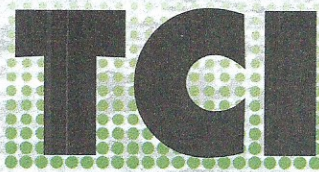
The product is tested by «*Det Norske Veritas*»

ely, without harm



Among our
customers you will find:

- ✓ Contractors
- ✓ Chemical pulp industry
- ✓ Producers of hot water units
- ✓ Municipalities
- ✓ Countys
- ✓ Workshops
- ✓ Shipping companies
- ✓ Shipyards
- ✓ Petroleum industry
both on- and offshore
- ✓ Food industry
- ✓ Maintenance companies
- ✓ Plastic industry
- ✓ Fish processing plants
- ✓ Boiler manufacturers
- ✓ Heat exchanger manufacturers
- ✓ Hospitals
- ✓ Janitors
- ✓ House owners



ent!

THERMO CLEAN INTERNATIONAL



THERMO CLEAN IS USED ON:

- ✓ All kind of pipes
- ✓ Radiators
- ✓ Direct-fired boilers
- ✓ Steam boilers
- ✓ Water heater systems
- ✓ Floor heating systems
- ✓ Heating coils
- ✓ Heating plants
- ✓ Cooling plants
- ✓ Cooling batteries
- ✓ Cooling cylinders
- ✓ Water jackets
- ✓ Cooling water loop
- ✓ Vaporize



Circulation / dosing pump C 30

The pump is used to inject «Thermo Clean» in: water heaters, boilers, flow units, heat exchangers, cooling condensers, radiator systems, heating and cooling batteries etc. to remove accumulated deposits.

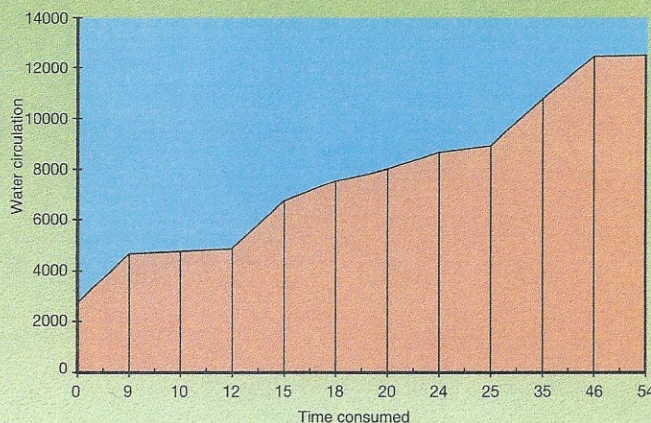
Technical data:

Tank volume:	35 liter
Flow:	90 l/min
Pressure:	2 bar
Motor:	220 v 0,45 hp
Weight:	9 kg

Cleaning of heat exchanger

The graph shows the results of using Thermo Clean to remove scale and increase the effect in a heat exchanger.

Before start the heat exchanger had a flow of 2800 l/h and after cleaning 12530 l/h. Guaranteed maximum capacity of this particular heat exchanger by supplier was 11 300 l/h



Cost of new heat exchanger: 45 000 Nkr.
 Cost of cleaning with Thermo Clean: 5 000 Nkr.
 Amount saved by using Thermo Clean: 40 000 Nkr.

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THERMO CLEAN INTERNATIONAL

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Thermo Clean - maintain flow rate safely, without harming the environment!