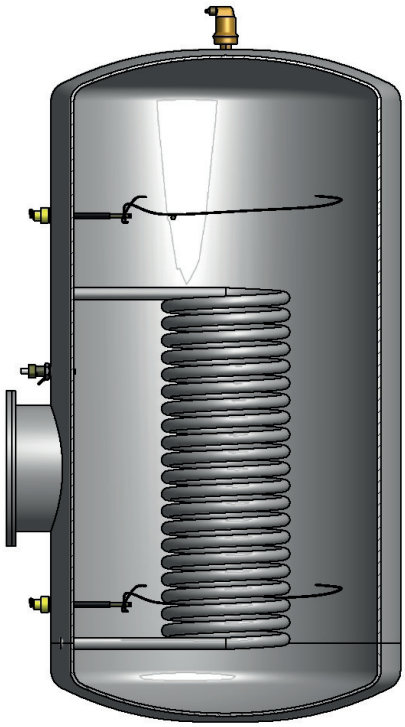
Cathodic Protection

of boilers prevents corrosion



Cathodic protection is a technique used to control corrosion of iron. When iron comes in contact with water, a natural resolution takes place. Cathodic protection uses an impressed current to prevent this. The current is distributed to the inner surface of the boiler by undissolvable anodic threads, which are attached to lead-ins on the boiler side.

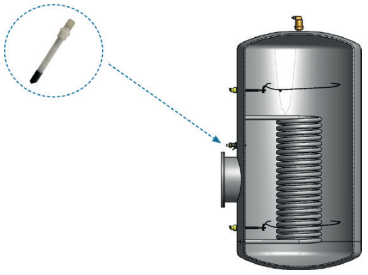
The anode threads provide corrosion protection without unnecessary dissolution of eg. magnesium or zink. Consequently, there will no need of removing dissolved anodic material from the boiler, which minimizes the maintenance costs. Current supervision of the plant through the pilot cell ensures constantly protection of the boiler.

Application:

Private properties
Hospitals
Institutions
Industry

Pilot cell

A pilot cell will control the cathodic protection very exact according to the condition of the boiler. And exa- gerated and unneccesary lime depo-sits on the inner surface of the bolier can be avoided.



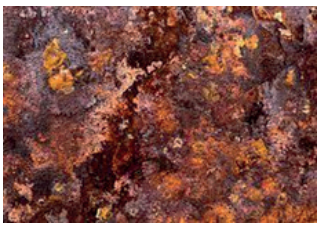
UniControl®

The control unit from Guldager for corrosion protection, provides several advantages for controlling and monitoring corrosion protection installations.

Insufficiant protection

Shortens the life time of the boiler due to corrosion on the boiler material.

Corroded boiler surface



Exagerated cathodic protection

leads to undesired lime deposits on heat exchangers and on the inner surface of the boiler.

Boiler with heavy lime deposits

Guldager Service

Our service concept consists of standard and flexible solutions customized for specific needs.

- Surveillance, fast and skilled assistance.
- Advanced equipment and metering procedures.

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