

Advice for AC heaters

The intended application of electric heaters is defrosting the frost from the fins.

Heating of air is a further application of the heaters. In this case the operating conditions differ from case to case and the installation situation of the cooler influences the operating conditions significantly.

Because of this it's not possible for the manufacturer to do the risk assessment of the system: air unit cooler, fan and electric heaters. The risk assessment has to be done by the builder of the plant.

The risk assessment is regulated by law according to the EC machinery directive and the corresponding local laws.

The applicable security laws for refrigeration plants can be found in the following harmonized standards:

- EN 378
- EN 60204-1
- EN 60519-1/2
- EN 13849-1
- EN 13732-1

No comprehensive enumeration of standards, depending on the plant further standards may apply.

Because of the complex risk assessment for electric heaters we strongly recommend to replace electric heaters by heat exchanger coils for water/ brine application. If there are any questions it's a pleasure to provide advice.

If there is no alternative to electric heaters please send us this advice signed and with company stamp back.

We have read and understood the "Advice for AC heaters".

We will do a risk assessment according to local laws at the complete refrigeration plant.

Date: _____

Signature: _____

Company stamp: