

SONEX® T-K

Oil baffle plates for cooling units

General



■ SONEX® T-K

In addition to SONEX® T, the successful noise-control cladding for transformers, G+H Schallschutz GmbH has developed the innovative product SONEX® T-K – efficient cladding complete with oil baffle plates for cooling units in transformers.

G+H Schallschutz offers a full service

G+H Schallschutz GmbH offers its customers a full service. This complete package includes development, engineering, manufacture, delivery and installation of cooling unit cladding using oil baffle plates in the SONEX® T-K system from G+H.

Optimal safety – protecting the environment against oil leaks

In the event of a leak in the radiators or radiator banks, it is vital to ensure that leaking oil does not spread beyond the foundation and pollute the environment. We therefore strongly recommend fitting a special oil baffle plate to radiators and radiator banks. This oil baffle plate catches leaking oil and channels it straight down into the foundation or directly into an oil collection vessel.



Effective environmental protection and fire safety

Transformer oil is used as a cooling medium in transformers. It flows through the transformer, radiators and radiator banks, which can reach temperatures as high as 115 degrees Celsius. If a leak develops in the oil circuit, oil baffle plates play an important role. They stop any oil from seeping into the environment by channelling it into collection vessels or drainage pipes. They also prevent splattering oil from coming into contact with hot surfaces or other potential ignition sources.

SONEX® T-K specifications

Oil baffle plates in the SONEX® T-K system from G+H are produced using the **modular construction** method. The system is designed to ensure that, in the event of damage, they can be easily removed and reinstalled.

Equipotential bonding keeps electric potential differences to a minimum. This is ensured by means of a metallic connection (cable) between all elements, including the entire sub-structure of the cladding. A transfer point can be used to connect to the external on-site transfer point.

The **powder coating** is UV-, heat- and weather-resistant and can be provided in custom colours. In the event of more stringent corrosion protection requirements (e.g. for use in an industrial or coastal environment), the coating can be modified in line with the various corrosion protection classes.

SONEX® T-K is a **flexible and customisable** solution that can be adapted to suit different types of cooling unit. Baffle plates on the underside channel leaking oil to contained foundations / oil separator surfaces, or to collection vessels.

SONEX® T-K can be designed to suit the relevant site conditions (e.g. the local earthquake loads and wind loads).

Statistical evidence that satisfies audit-related requirements is included in the scope of delivery. If required, SONEX® T-K can be **fitted as a decoupled solution** to prevent the transmission of vibrations.

The cladding weighs approximately **30 kg/m²**.

Another benefit of SONEX® T-K is the **short installation times**, even in the case of limited access. What's more, the SONEX® T-K oil baffle plates can be installed **without any need for a crane**.

