

Electrical heating coil type Eex ed

Design requirements

To enable us to design the correct heating coil for your requirement, we need:

Air side:

- Duty or air temperature rise required
- Air Volume

El-Side:

- Number of Groups
- Group Effect
- Supply Voltage

Features

Diameter of heating element 8,5 mm.

Heat Flux = approx. 1 W/cm²

Nominal air velocity range 2 to 10 m/s.

Standard EL-G-EEx ed enclosure according to IP56.

All ttc norge's electrical coils are individually designed.

Coils can be designed for supply voltages up to 690 V. Temperature classification T2 and T3.

All electrical coils are supplied with a safety thermostat and a fire thermostat with manual reset adjusted for 160°C for type T3, or 200°C for temperature classification T2.

All ttc norge's, EL-G-EEx ed, is in accordance and certified by ATEX regulations.

Installation

ttc norge's electrical coils are classified for EEx ed – II C – T3 or EEx ed –II C – T2

If the electrical coils are installed in areas with condensation or a risk of humidity which may cause short circuit, a standby heater is additionally required.

Further installation and maintenance instructions can be provided upon request.

Certified by NEMCO, Certificate No.: **NEMCO 03ATEX1548X**

Complies with the following harmonised European standards:

CENELEC EN 50014:1997

CENELEC EN 50014:1997 + A1:1999

CENELEC EN 50014:1997 + A2:1999

CENELEC EN 50019:2002