

# Heating coils in general

## Introduction

ttc norge's extensive production programme which has been built on many years of experience and research, includes coils for an ever increasing range of applications.

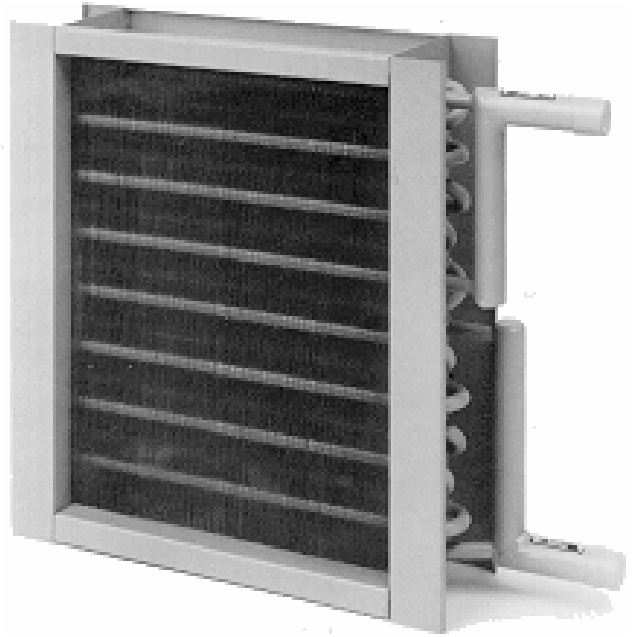
ttc norge's modern production facilities are capable of handling a great variety of materials which enable ttc norge to produce heating coils for almost any application within the air conditioning and industrial process field.

ttc norge continual programme of product development ensures ttc norge's identifies today's demands relating to product design, application and materials and those of the future.

ttc norge attach great importance to product performance, design and quality.

ttc norge's quality assurance programme is in accordance with ISO 9001.

The heating coils are designed and constructed to meet the customers' requirements utilising advanced computer design programs and production techniques to ensure the right product at a competitive price.



- ttc's heating coil type HW - for use with low pressure hot water
- ttc's heating coil type SW - for use with medium and high pressure hot water
- ttc's heating coil type ST - for use with steam
- ttc's heating coil type EL - Electrical heaters
- ttc's condenser coil type CD - for use with CFC/HCFC/NH3

ttc norge's heating coils are suitable for use with a considerable variety of heating mediums with small and large air volumes.

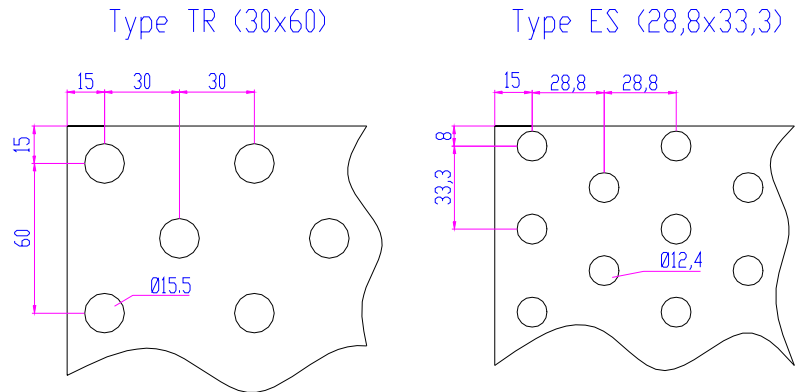
- Great efficiency
- Optimum material selection
- Minimal maintenance
- Short delivery period
- Guaranteed delivery

## Technical specification

### Tube:

Diameter: TR, DM 15,5 mm

Diameter: ES, DM 12,0 mm



### Fins:

Fin spacing collar - Mechanical tube expansion ensures a perfect contact between fin and tube.

Fin pitches: 1,6 - 2,0 - 2,5 - 3,2 - 4,0 - 4,7 - 6,0 - 7,5 - 10,0 - 15,0 mm.\*

### Material combinations:

Tubes	Fins*	Frame
Cu	Cu	Cu
CuSn	CuSn	Al
CuNi	Al	AiSi 304L og 316L
Al	AlMg3**	FeZn
AiSi 304L og 316L	AluP***	
Titan	AiSi 304 og 316L	

\* For some material combinations there will be a limit on the fin spacing.

\*\* Aluminium AlMg3 is a seawater resistant aluminium alloy.

\*\*\* Alu-Paint is epoxy coated aluminium.

### Frame material:

In addition to the standard materials of construction shown in our HW, SW, ST, EL and CD literature the frame can be produced in other materials.

For further technical data and Coil identification codes for standard ttc heating coils please refer to our separate literature concerning types HW, SW, ST, EL and CD.

### External finishes:

ttc norge's heating coils are as standard delivered unpainted.

Spray painting and other special finishes can be supplied upon request.

### Pressure testing:

ttc norge's heating coils are pressure tested with air by the existing regulations and standards.