



ttc norge as

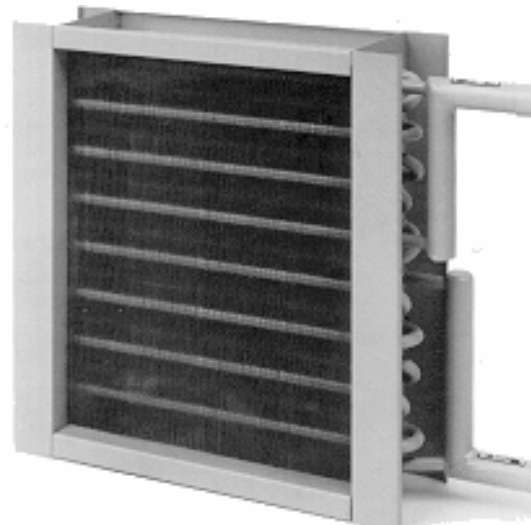
Heating coil type HW

Applications

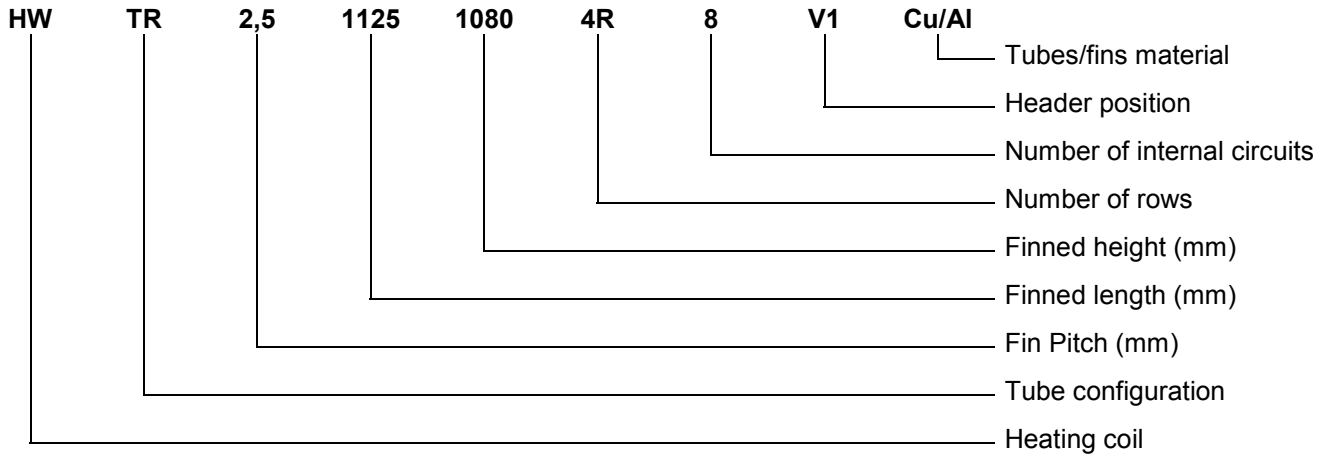
(Standard construction Cu/Al)

ttc norge's heating coil type HW applications:

- Air heating in air conditioning or process applications, respective liquid cooling
- Maximum standard working pressure 10 bar
- Maximum working temperature 373 K
- Heat Recovery

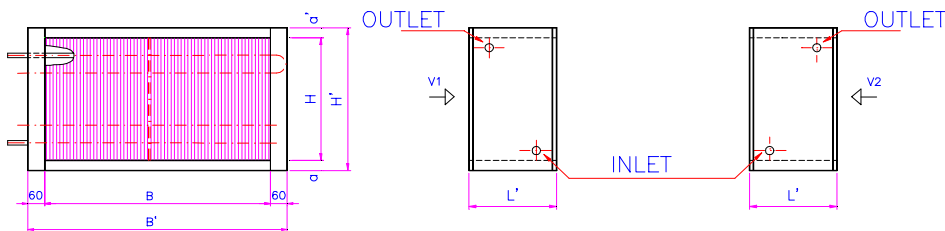


Coil nomenclature:



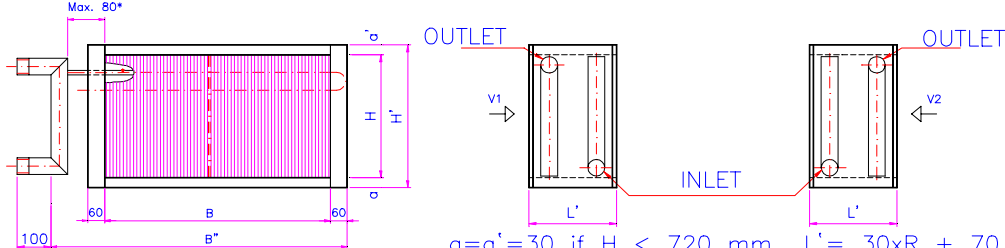
Dimensions

STANDARD-HEATING COIL TYPE HW WITH ONE INTERNAL CIRCUIT.



B - Maximum dimension 6480 mm
H - Multiples of 60 mm, maximum 3000 mm

STANDARD-HEATING COIL TYPE HW WITH GREATER THAN ONE INTERNAL CIRCUIT.



B - Maximum dimension 6480 mm
H - Multiples of 60 mm, maximum 3000 mm

$a = a' = 30$ if $H < 720$ mm $L' = 30 \times R + 70$
 $a = a' = 60$ if $H \geq 720$ mm

* if 4" header; 100 mm.
if stainless steel; 110 mm.

* when 4" headers - 100 mm
when Stainless Steel headers - 110 mm



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Heating coils type HW

Design requirements

To enable us to design heating coils type HW we require the following:

- Air side:** Three of the following values:
- Air volume
 - Air on temperature
 - Air off temperature
 - Duty

- Fluid side:** Two of the following values:
- Massflow
 - Fluid inlet temperature
 - Fluid outlet temperature

The heating coils are designed using advanced computer programs.
A data sheet is provided upon request.

Standard connections:

Heating coils are designed with standard header sizes, and the coils are supplied with vent and drain for the internal circulation > 1.

Standard coils are delivered in plain connections pies (copper) or threaded connection pies (brass) dependent on the quantity of fluid.

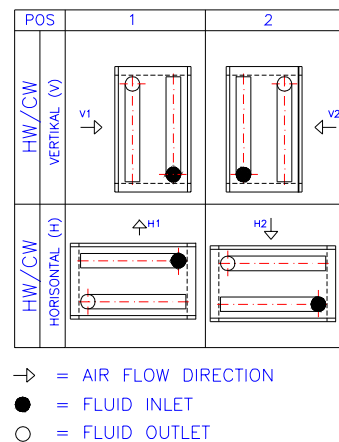
Standard dimension:

- 12mm
- 15mm
- 1"
- 1 1/2"
- 2 1/2"
- 4"
- 2 x 4"

Other connections can be requested.

Connection positions:

The design of heating coils is based upon the counter flow principle and need to be installed as shown in the illustration below to achieve the design duty.



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