

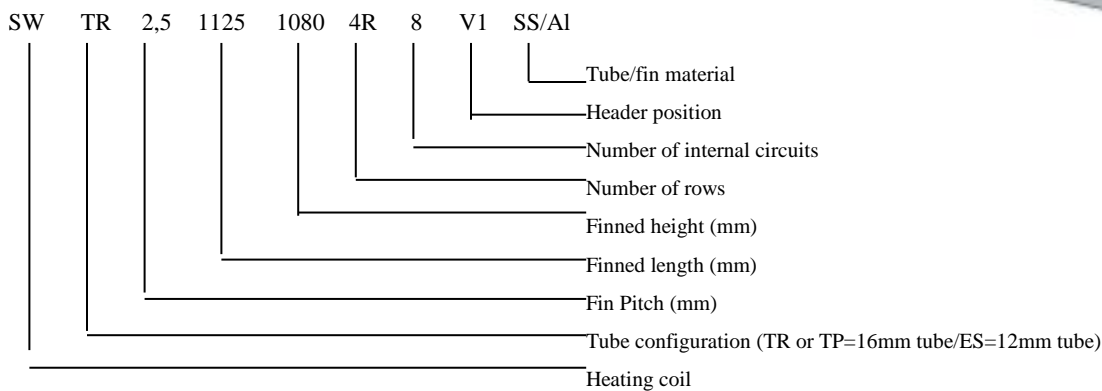
## Applications

(Standard construction Cu/Al with TR 16mm or ES 12mm tubing)

TTC heating coil type SW applications:

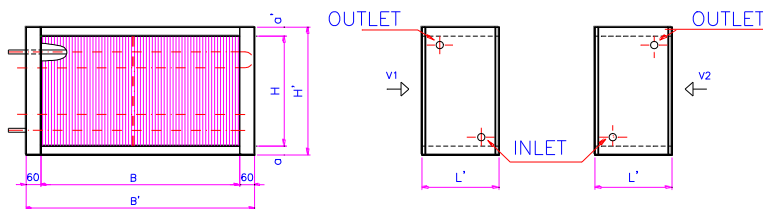
- Air heating in air conditioning or process applications,
- Liquid cooling, for fluid temperatures over 100°C  
Max temp/pressure according to pressure directives
- Heat recovery

## Coil nomenclature sample



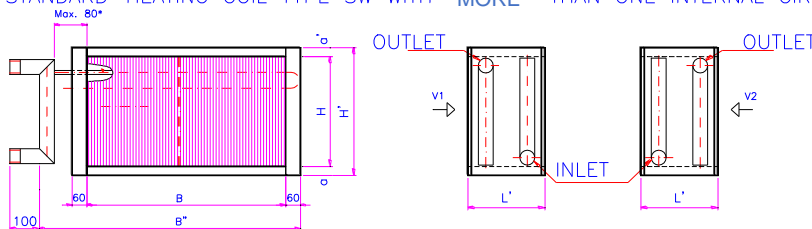
## Dimensions

STANDARD-HEATING COIL TYPE SW WITH ONE INTERNAL CIRCUIT



B – According to specifications  
H – Multiples of 60 mm (TR)  
or 33.33mm (ES)

STANDARD-HEATING COIL TYPE SW WITH MORE THAN ONE INTERNAL CIRCUIT



B – According to specifications  
H – Multiples of 60 mm (TR)  
or 33.33mm (ES)

$a = a' = 30$  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.

## Design requirements

To enable us to design heating coils type SW 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 according to required capacity and dimensions.  
A data sheet is included with our offer.

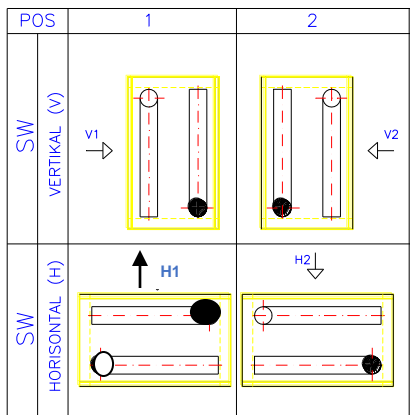
## Standard connections

Heating coils type SW are normally with flanged connection. Depending on header material and size. The coil headers include vent and drain. Coils with only one circuit do not have headers.

To obtain the maximum reliability from the coil, ensure that no stress, knocking or vibrations are transmitted to the headers of the cooling coil.

## 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.



- = AIRFLOW DIRECTION
- = FLUID INLET
- = FLUID OUTLET