



ttc norge as

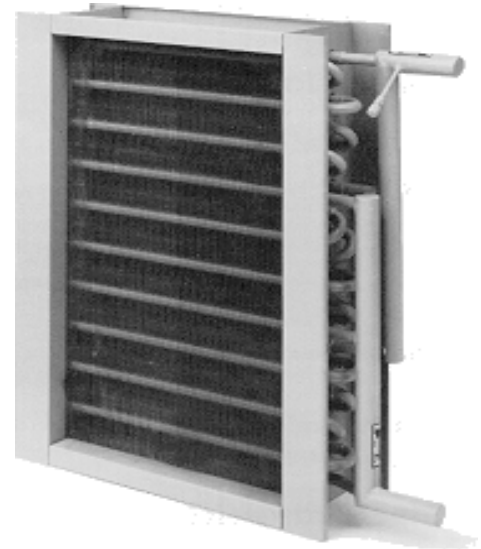
Condenser coil type CD

Applications

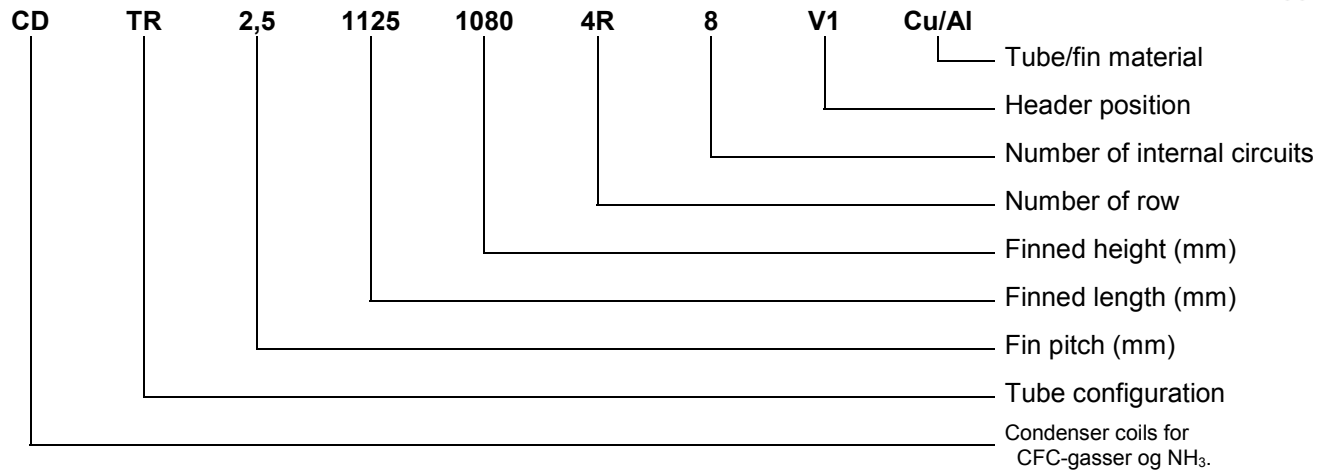
(Standard construction Cu/Al, TR and ES tubes)

ttc norge's condenser coil type CD applications:

- Condensing of CFC/HCFC or NH₃
- Air heating in ariconditioning and process applications.
- Heat recovery
- Maximum working pressure 30 bar.

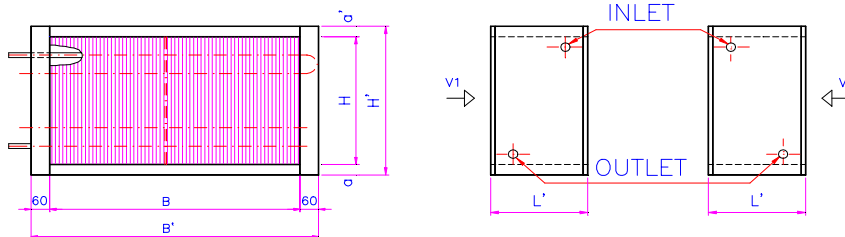


Coil nomenclature:



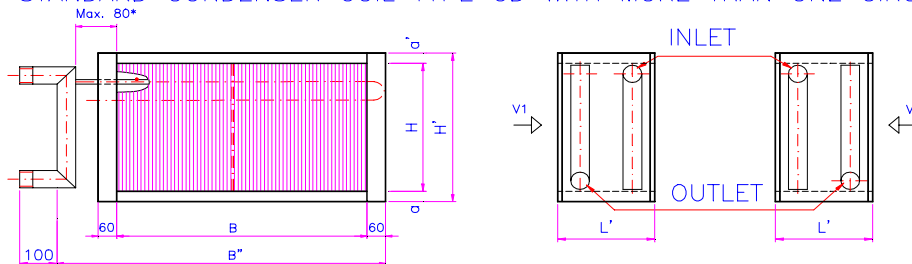
Dimensions

STANDARD CONDENSER COIL TYPE CD WITH ONE CIRCUIT



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

STANDARD CONDENSER COIL TYPE CD WITH MORE THAN ONE CIRCUIT



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

$$a = a' = 30 \text{ if } H < 720 \text{ mm} \quad L' = 30 \times R + 70$$

$$a = a' = 60 \text{ if } H \geq 720 \text{ mm}$$

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



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Condenser coil type CD

Design requirements

To enable us to design condenser coils type CD we require the following:

- Air side:** Three of the following values;
- Air volume
 - Air on temperature
 - Air off temperatur
 - Duty
- Refrigerant side:**
- Condensing temperature
 - Refrigerant type

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

Standard connections

The condenser coils are supplied with a service valve. Standard coils are supplied with copper tubes and headers. Coils for use with ammonia would be supplied with either stainless steel AISI 304L, AISI 316L of Aluminium tubes and headers.

Header connection valid for tc (condensations temprature) from 30° to 50°C.

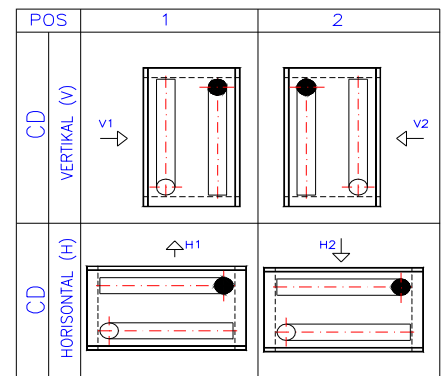
HEADER	
Inlet	Outlet
12 eller 15 mm*	12 eller 15 mm*
1 1/8"	1 1/8"
1 3/8"	1 1/8"
2 1/8"	1 3/8"
2 5/8"	1 5/8"

* No header

Connection positions

The design of condenser coils is based upon the counterflow principle and coils need to be installed as illustrated below, to acheive the design duty.

The condenser coil are supplied fitted with a service valve and aresealed and charged with nitrogen to 1 bar.
To obtain the maximum reliability from the coil, ensure that no stress, knocking or vibrations are transmitted to the headers of the condenser coils.



- = AIR FLOW DIRECTION
- = FLUID INLET
- = FLUID OUTLET