

Form – 2

Online Specific Meeting (Program-1) : Questions and Requests

Questions and Requests

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Date		02/07/2022

(1) Questions / Requests

To determine the heat removed from the environment by the heat exchanger, it is necessary to calculate the heat removed by the heat exchanger itself and the heat removed by the water that is condensed and drained by the heat exchanger.

Questions:

- In both cases, is it enough to multiply the enthalpy difference of the water by the mass of water? Or do you have to consider some other component?
- How and where to measure the temperature of condensed water?

Answer / Comments / Advice (by Japanese)

(2) Questions / Requests

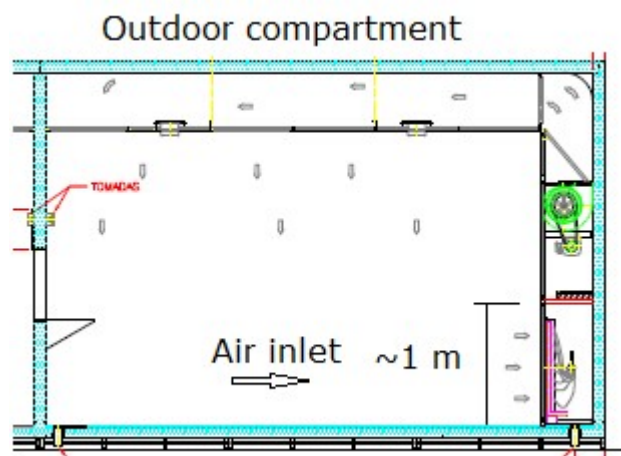
Why place the condenser on a support and not directly on the floor of the calorimeter?

Answer / Comments / Advice (by Japanese)

(3) Questions / Requests

What is the height of the opening for the entry of air in the external compartment of the JATL calorimeter? At Cepel, it is approximately 1 m from the ground, see figure below.

Therefore, I consider it better to place the condenser on the floor. Does it makes sense?



Answer / Comments / Advice (by Japanese)

(4) Questions / Requests

The Energy Conservation Center, Japan (ECCJ)

Back to question 1 above. I saw JATL works with a 1,000 l/h of cooling water for the 50% load test, while our calorimeter works with a 2,420 l/h. Could it be one of the reasons we still can't determine the correct heat exchange value?

Answer / Comments / Advice (by Japanese)

About your chilled water system, how do you manage to obtain such a small variation in the chilled water temperature in the entrance of the cooling coil?

(5) Questions / Requests

As for the additional questions and requests, please add lines and describe them.