



AIREC

WWF Climate Solver

# Case Story

## Low pressure steam

Low temperature steam has very large content of latent energy.

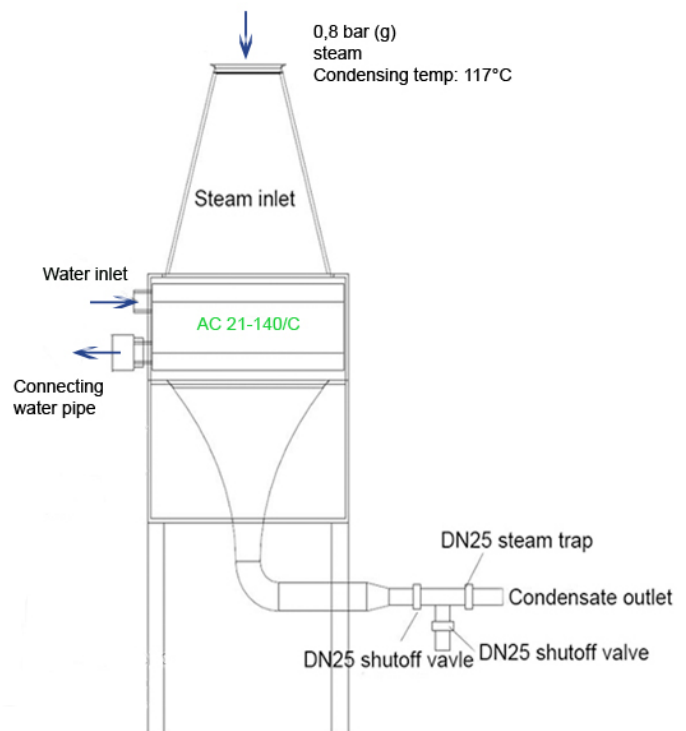
At low pressure steam has in a traditional heat exchanger to high pressure drop to set a good flow through the heat exchanger.

With the Airec-design is it possible to utilize the energy to heat water even in low pressure steam.

Xianke Co, Shenzhen, China is a leading manufacturer of semiconductor equipment and components. They are using 0,78 bar (g) to 180°C superheated steam to dewax parts. After dewaxing, the exhaust low pressure steam is discharged through one Airec typ AirCross 21-140/C.

The steam goes through the low pressure side B while the water, which is heated in the heat exchanger, goes through the side A channels.

Due to the high efficiency and low pressure drop with Airec is all the energy from the condensing process utilized so all of the exhaust low pressure steam is totally condensing to water.



Before



After

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