

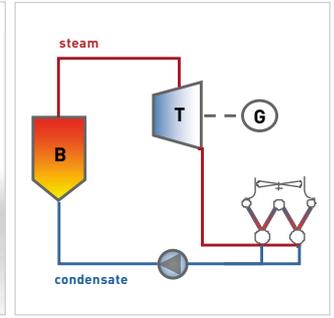
**SPG
DRY
COOLING**



PRODUCT



BoxAir ACC®



ACC Plant cycle

DIRECT DRY COOLING SYSTEM



BoxAir ACC® is an innovative induced draft air cooled condenser (ACC) that is suitable for all power plants from 1 to 30 MWe.

BoxAir ACC® is an ACC type, integrating standard boxes that are easy to erect. The extended standardisation also enables a very short delivery schedule and a high level of reliability.

BoxAir ACC®'s typical applications are waste incineration plants, biomass, solar and geothermal power plants, or capacity increases of any existing power plant.



BoxAir ACC®

FEATURES

BoxAir ACC® is an (ACC) that is made of several standard boxes installed side by side.

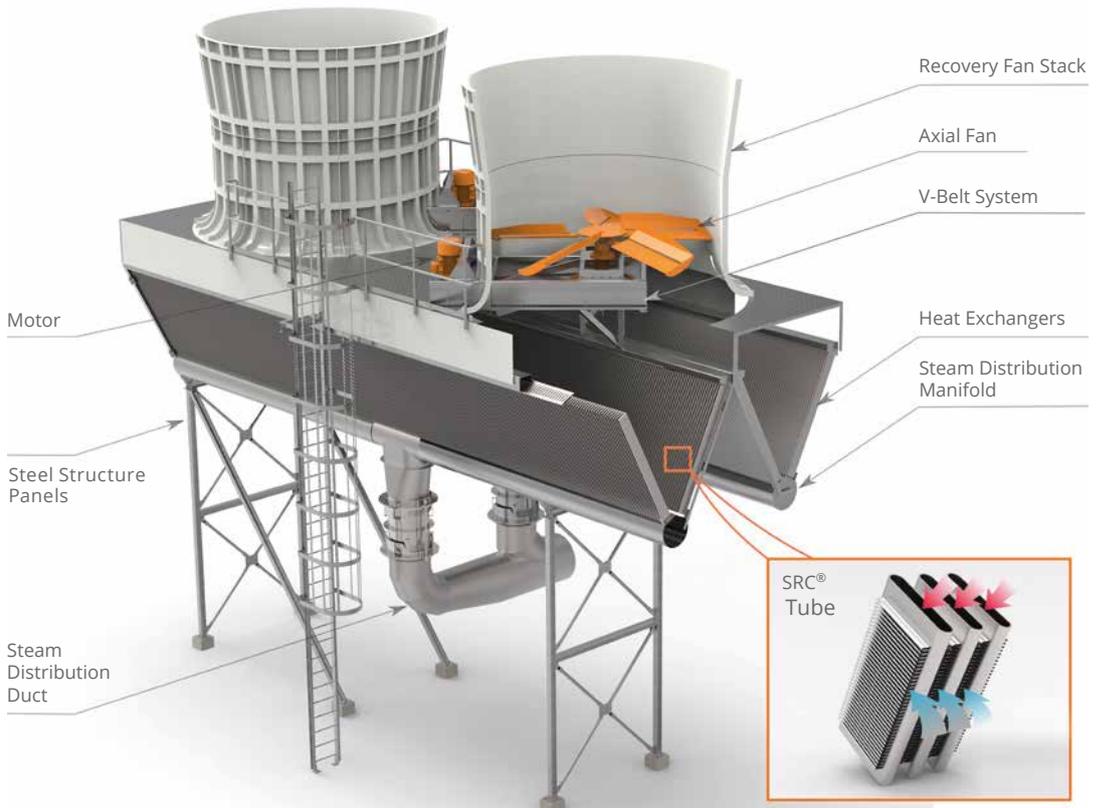
The heat exchanger bundles are delivered in delta shape, with welded-on steam manifold and condensate collection headers. The heat exchanger delta are then installed in a "W" orientation

The air is drawn across the finned tubes with the help of two axial flow fans located on top of the BoxAir ACC® box.

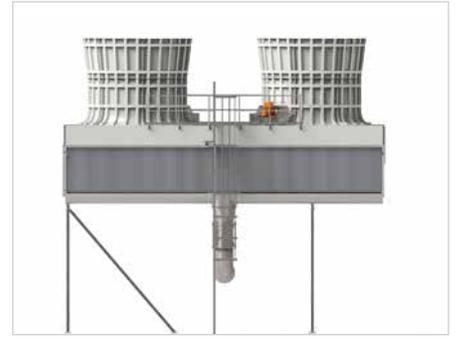
This ACC concept drastically reduces site welding and presents a much higher degree of preassembly compared to a standard A-frame design. This minimises the construction duration.



Single-Row Condenser tubes (SRC®)



 **BoxAir ACC®**
MAJOR BENEFITS



Decreased wind sensitivity which improves performance during windy conditions

Full heat exchangers including steam and condensate manifolds which are factory tested to ensure weld integrity

Standard design with a greater degree of prefabrication at the workshop

Enhanced average power plant output, thanks to the lower back pressure available at a low air temperature

Lower steam velocity in the finned tubes which reduces the risk of flow accelerated corrosion inside the finned tubes

Reduction of steam duct site welding. Tube sheet welding to steam duct and condensate manifold is not required

Efficient, easy and safe building

Standard air cooled condenser module which reduces delivery time

Reduced visual impact due to a lower overall height

More information about our patents:
<https://spgdrycooling.com/ip-legal/patents/>

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