

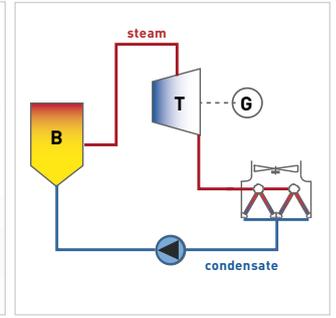
**SPX
DRY
COOLING**



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



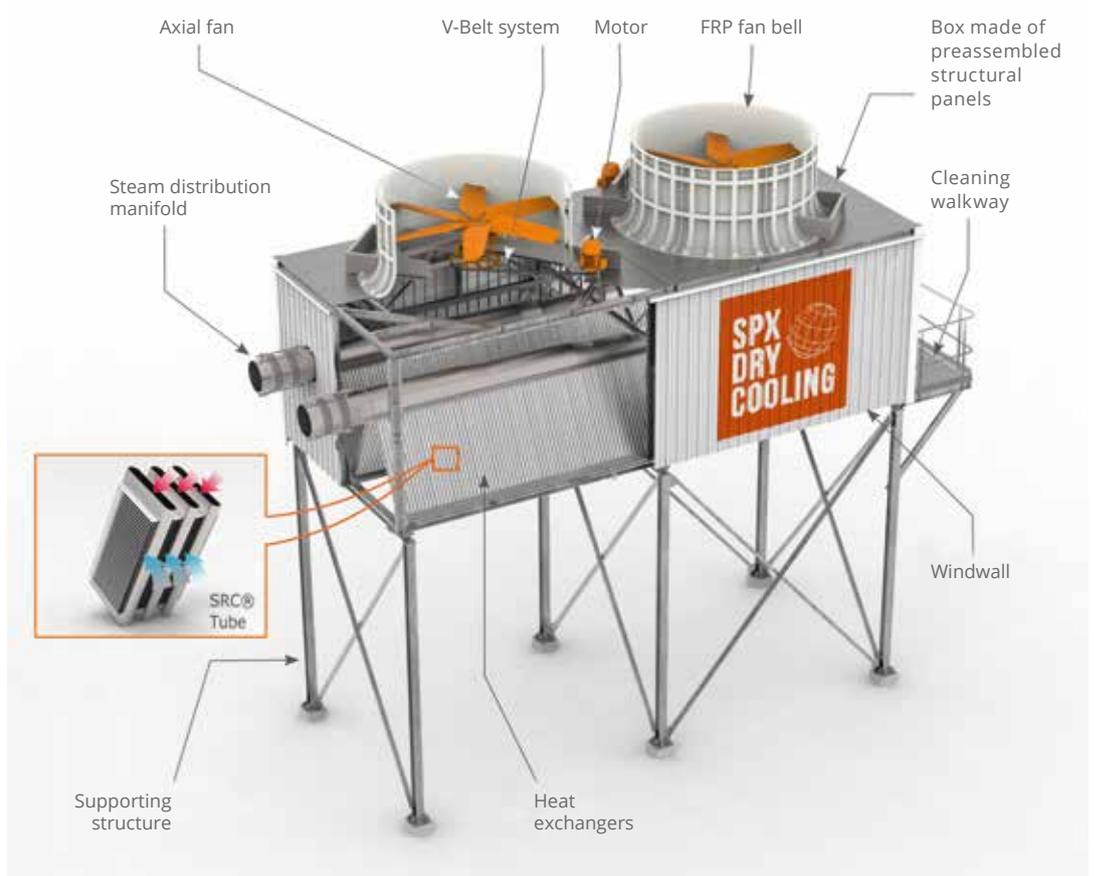
Single-Row Condenser tubes (SRC®)

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

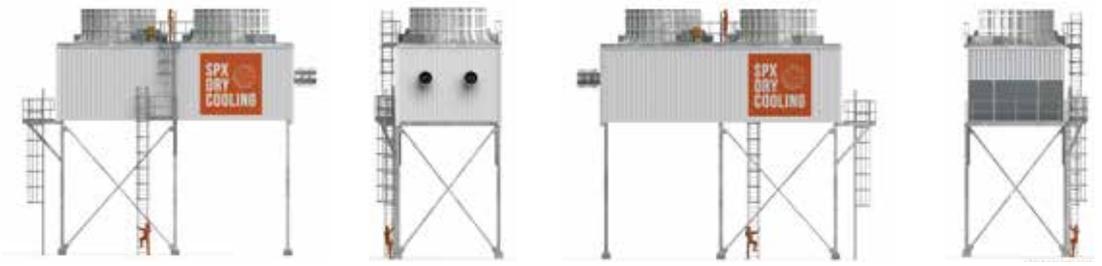
The Single-Row Condenser tubes (SRC®) are arranged in two deltas inside the BoxAir ACC® box. The deltas are delivered with a welded-on steam manifold and condensate collection headers.

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.



 **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

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