



# air cooled condensers

A WORLD LEADER



➤ **Dry Cooling**

# A History of Leadership in Cooling Technologies

Since 1883, the world renowned companies that formed SPX Cooling Technologies have been the leaders in developing innovative solutions for cooling systems.

By combining the experience and resources of some of the most successful companies in the industry, SPX Cooling Technologies continues to deliver innovative products and cooling solutions for the 21st century. With hundreds of installations and partners/subsidiaries on all continents, SPX Cooling Technologies maintains a global reputation of excellence in power generation and industrial markets.

## DRY COOLING SYSTEMS

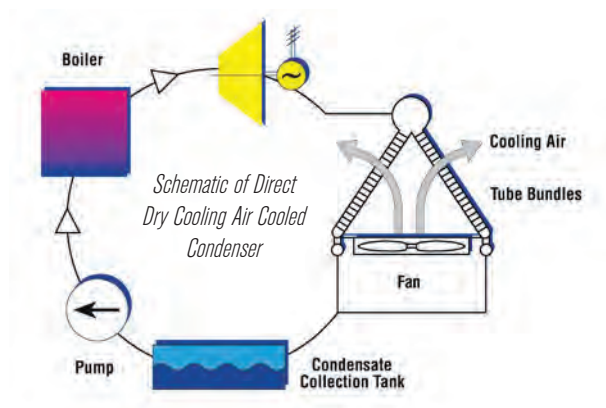
Diminishing water resources and increased water pollution concerns have led to the explosive growth of Dry Cooling worldwide.

The major benefits of Dry Cooling are:

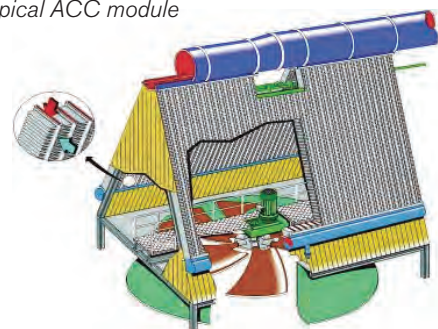
- Elimination of water usage from the condensing power cycle.
- Flexibility in power plant site selection.
- Decreased time required for plant permitting.



The world's largest Natural Draft Dry Cooling System, 6 x 690 MW Kendal Power Station, South Africa



Typical ACC module

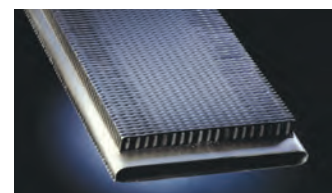


## AIR COOLED CONDENSERS FOR POWER PLANTS

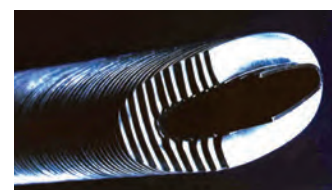
The most popular style of Air Cooled Condenser is the modularized A-Frame design used on power plants of all sizes. The integral features of the SPX Air Cooled Condenser are long-term mechanical and thermal integrity, excellent corrosion and freeze resistance, low fan power consumption, reliable operation and low maintenance.

The fin tube is the core technology of the Air Cooled Condenser and is available in two basic designs:

- Single-Row Condenser–SRC®. Elongated flat tube with brazed aluminium fins.
- Multi-row Galvanized – MRG. Oval tube with hot-dip galvanized steel fins.



Typical finned tube – SRC



Typical finned tube (MRG)



**Bruges, Belgium** — ACC for 460 MW Combined Cycle Power Plant.



**Apex, USA** — ACC for 500 MW Combined Cycle Power Plant.



**Gissi, Italy** — ACC for 2x400 MW Combined Cycle Power Plant.



**Hassi R'Mell, Algeria** — ACC for 150 MW Combined Cycle Power Plant – Solar Power Plant.



**Langage, UK** — ACC for 850 MW Combined Cycle Power Plant.



**Rio Bravo, Mexico** — ACC for 3x515 MW Combined Cycle Power Plant.



**Severn, UK** — ACC for 2x400 MW Combined Cycle Power Plant.



**Alba, Bahrain** — ACC for 800 MW Combined Cycle Power Plant. A turnkey project.



**Baicheng, China** — ACC for 2x660 MW Coal Fired Power Plant.



**Wuxiang, China** — ACC for 2x600 MW Coal Fired Power Plant.

## air cooled condensers

A WORLD LEADER WITH MORE THAN 800  
INSTALLATIONS GLOBALLY



## Dry Cooling – Global locations

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## ► Dry Cooling

In the interest of technological progress, all products are subject to design and/or material change without notice

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