

JC Equipments Pvt. Ltd.,

Cooling Tower Manufacturers India

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Closed Circuit Cooling Tower INDIA

Closed Circuit Cooling Tower operate in a manner similar to open cooling tower except that the heat load to be rejected is transferred from the process fluid to the ambient air through a heat exchange coil. The coil serves to isolate the process fluid from the outside air, keeping it clean and contaminate free in a closed loop. This creates two separate fluid circuits.

- a external circuit, in which spray water circulates over the coil and mixes with the outside, an internal circuit, in which the process fluid circulates inside the coil.
- During operation, heat is transferred from the internal circuit, through the coil to the spray water, and then to the atmosphere as a portion of the water, and then to the atmosphere as a portion of the water evaporates.
- During the time of shortage of cold water supply we have to go for **Closed Circuit Cooling Tower**. The cooling water is circulates in a close loop consisting tower unit.
- We may add some percent of the cooling water from the available water resources to the closed circuit cooling system and we can reduce the cooling tower size.
- Mixing ration means the percentage of the added water. If our mixing ratio is zero, it is called completely closed system. When the mixing ratio is 100%, it is called an open system.
- Closed Circuit Cooling Tower are suitable for Thermal Power Plant
- For more information about **Closed Circuit Cooling Tower** send mail to jc@thecoolingtowers.com.