

Evaporative Condenser Used in Metallurgical Industry

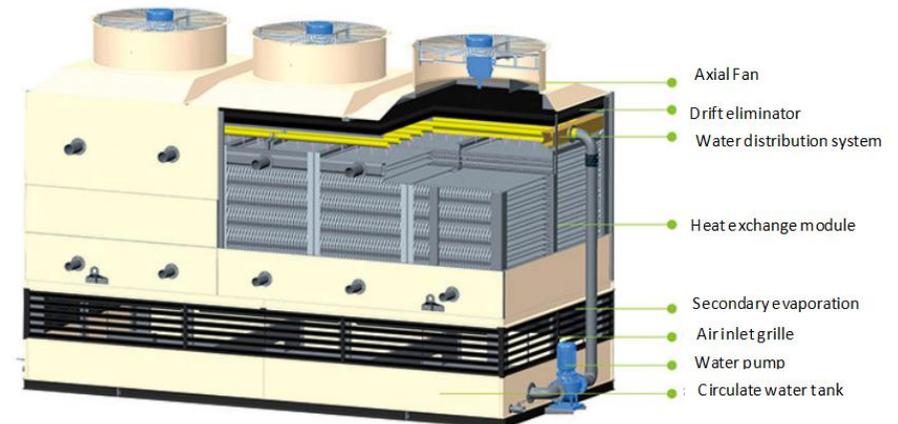
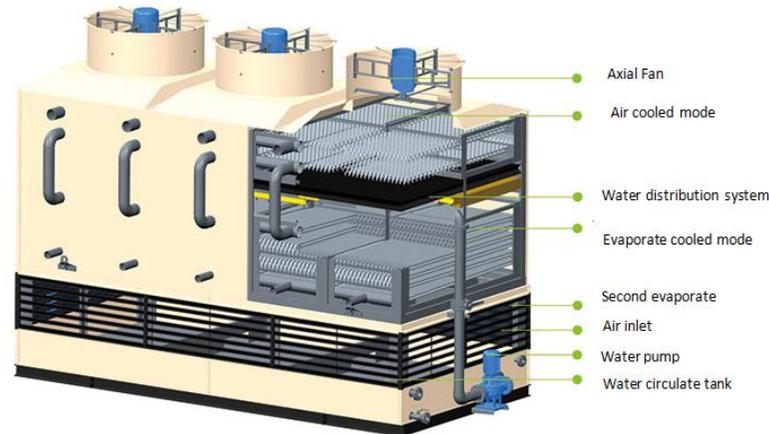
Application and characteristics of evaporative condenser in steel smelting process

Application

The evaporative condenser can be used in the soft water cooling and sealing cycle of the iron-making blast furnace; the cooling water of the steel-making heating furnace, crystallizer, and oxygen lance; the cooling water system of steel rolling and coking; Cooling water of blower, motor and other equipment

Features

Compared with traditional air cooled, open cooling system, the evaporative condensers have the advantaged of water-saving, electricity-saving, small area and easy maintain.



Evaporative condenser type

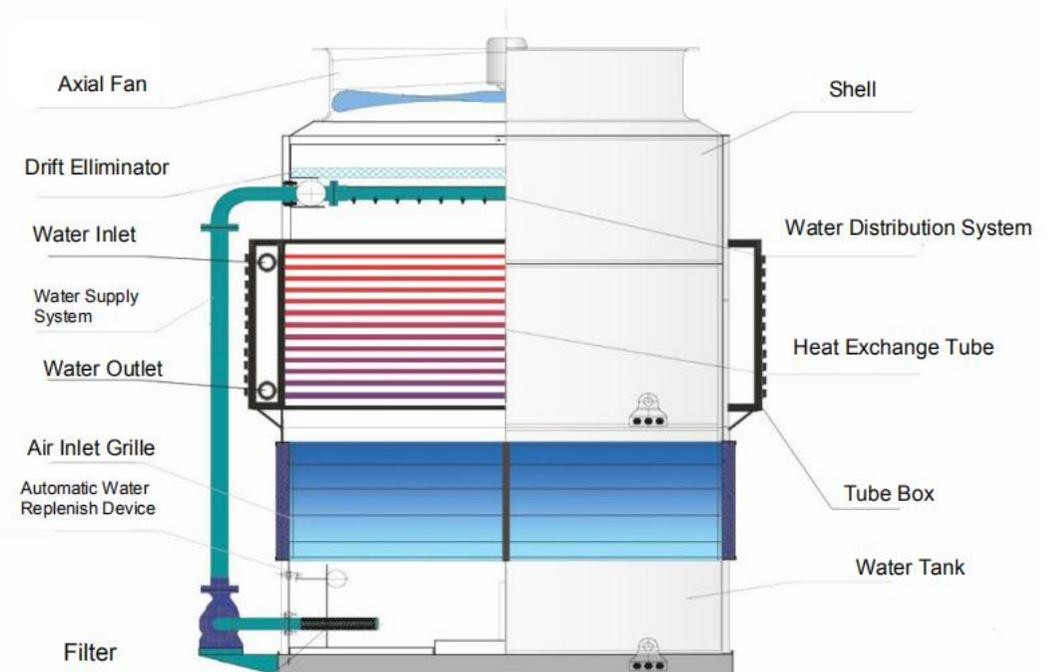
1. Tube box type evaporative condenser

Advantages:

- (1). Without fill, long service life.
- (2). Straight pipe is plugged and sealed, easy to check for leaks and low maintenance cost.
- (3). The tube bundle is evenly arranged, wind efficiency is higher than that of the serpentine coil.

Disadvantage:

- (1). The price is a little high.



Plug Header Box-Type Evaporative Condenser



Website: www.ghcooling.com **Email:** vicky@ghcooling.com

Address: Pengpo Industrial Park, Yichuan Country, Luoyang, China

Removable box-type evaporative condenser



Website: www.ghcooling.com **Email:** vicky@ghcooling.com

Address: Pengpo Industrial Park, Yichuan Country, Luoyang, China

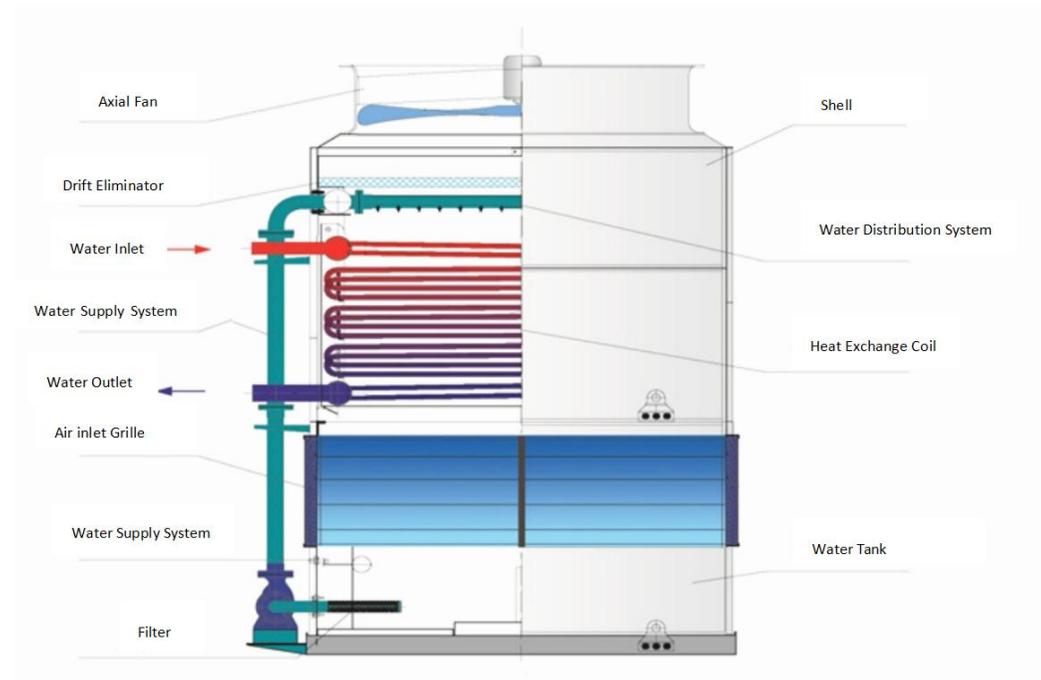
2.Coil type counter flow evaporative condenser

Advantages

- (1).Without fill, long service life.
- (2). Cheaper than box type evaporative
- (3). Fully welded and sealed, not easy to leak

Disadvantage

- (1).Hard to find leak point and maintain when leaking due to fully welded.
- (2).The serpentine tube structure has large wind resistance.
- (3).Many takeovers and complicated pipelines



Coil type counter flow evaporative condenser



Website: www.ghcooling.com **Email:** vicky@ghcooling.com

Address: Pengpo Industrial Park, Yichuan Country, Luoyang, China

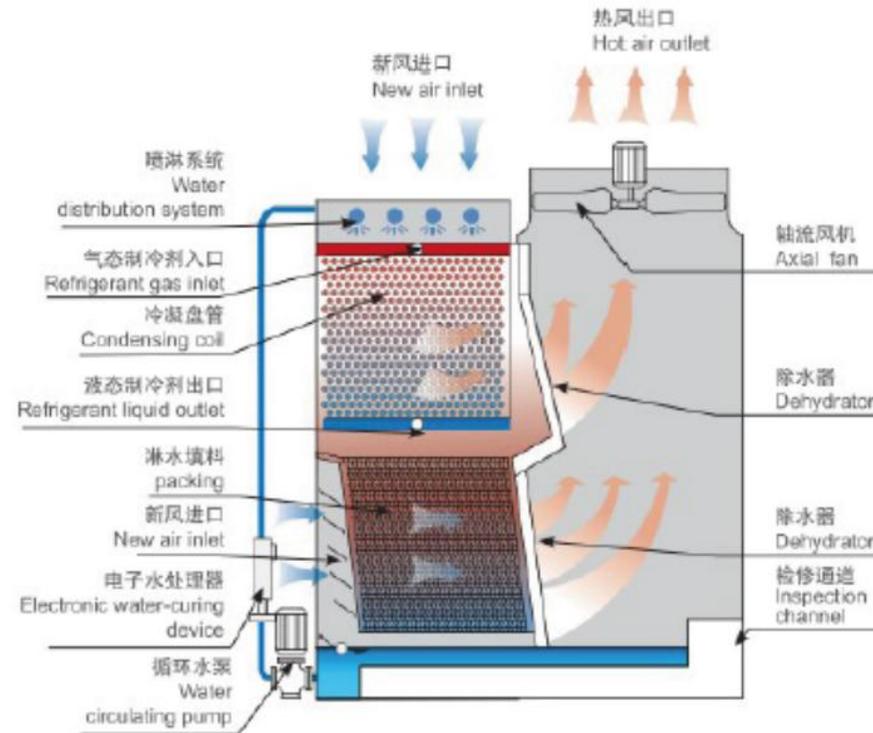
3. Coil type cross flow evaporative condenser

Advantages

1. Using PVC fill to replace part of heat exchange coil, heat transfer efficiency is higher than counter type
2. Light weight, small initial investment

Disadvantage

1. Fill is prone to blockage and need to be cleaned each 2 years, replaced 3~5 years.
2. Large installation area



Coil type cross flow evaporative condenser



Website: www.ghcooling.com Email: vicky@ghcooling.com

Address: Pengpo Industrial Park, Yichuan Country, Luoyang, China