

METALLURGICAL INDUSTRY

Closed Circuit Cooling System

The application of evaporative cooler in metallurgical industry

- Cooling of soft or desalted water in the closed circulating of blaster furnaces and convertors;
- Cooling of circulating water in casting, forging and welding equipment;
- Cooling of public circulating water in factory;
- Cooling of circulating oil in medium frequency furnaces and transformers.



Evaporative Cooler (Closed Cooling Tower)

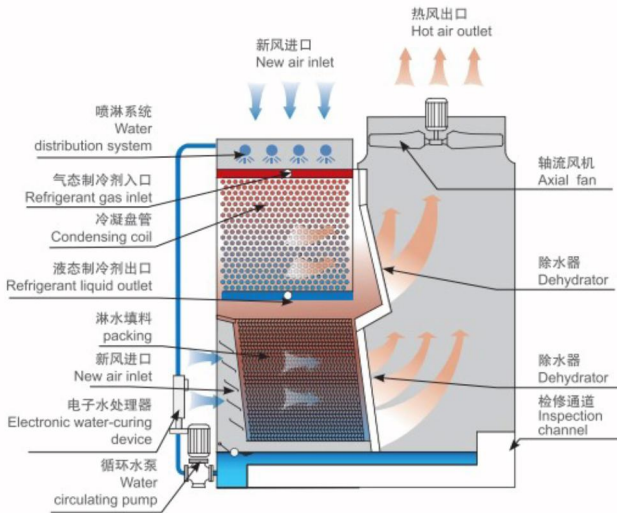
Compared with the traditional open cooling tower, the closed system uses a evaporative cooler (closed cooling tower) as the main heat exchange equipment to isolate the cooling water from the outside world. In the heat exchange process, the environment, water body and equipment are highly clean, and it has the advantages of water saving, energy saving, low maintenance cost and intelligent operation.



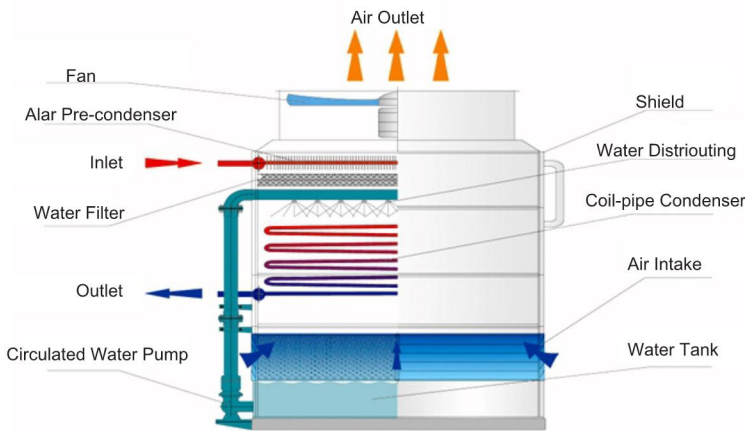
Working Flow

The air is drawn into the evaporative cooler by the axial fan through the grille, and the heat is discharged through the heat exchange tube bundle. The bleacher under the fan is to prevent water droplets from being carried away by the air.

The spray water falls into the water tank from the top of the evaporative cooler and is recycled through the spray water pump. When it falls, the spray water absorbs heat from the tube and evaporates at the same time. The evaporated spray water is automatically replenished through the water compensation valve.



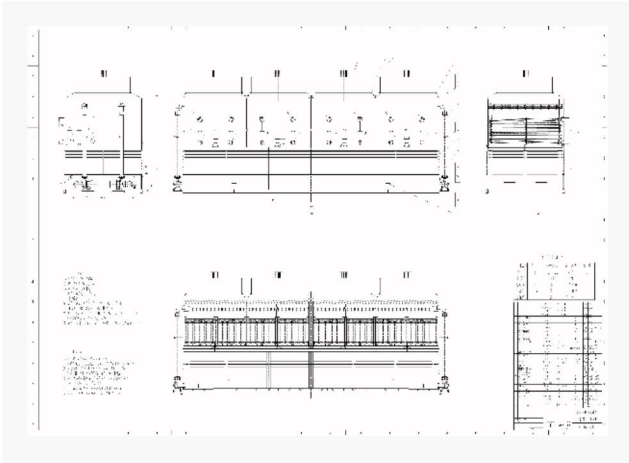
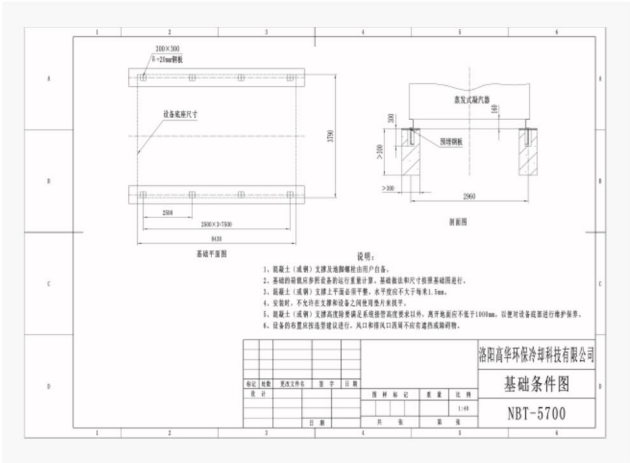
SLT Series Evaporative Cooler



NBT Series Evaporative Cooler

Application

The evaporative cooler can be used in steel plants and foundries; it can also be used for industrial fluid cooling of central air conditioning, chemical, pharmaceutical, hydraulic machinery, etc.



Technical Data

SLT Series Evaporative Cooler									
Model	Heat Exchanger Specifications	Size W×L, mm	Axial Fan			Pump		Connection Size	
			Fan Model	Power KW	Air volume m³/h	Pump Model	Flow m³/h	Inlet	Outlet
SLT-27	1430×1180	3300×5780	16#	7.5×3	100000×3	T125/125-3/4	120×2	DN150	DN150
SLT-36	1430×1180	3300×5780	16#	11×3	120000×3	T125/125-3/4	120×2	DN150	DN150
SLT-45	1430×1180	3300×5780	16#	11×3	120000×3	T125/125-3/4	120×2	DN150	DN150
SLT-48	2600×1430	3300×7580	15#	5.5×4	90000×4	125/160-4/4	120×2	DN150	DN150
SLT-72	2600×1430	3300×7580	16#	7.5×4	100000×4	125/160-4/4	120×2	DN150	DN150
SLT-96	2600×1430	3300×7580	16#	7.5×4	100000×4	125/160-4/4	120×2	DN150	DN150
SLT-120	2600×1430	3300×7580	16#	11×4	120000×4	125/160-4/4	120×2	DN150	DN150

NBT Series Evaporative Cooler								
Model	Heat Exchanger Specifications	Axial Fan			Pump		Connection Size	
		Fan Model	Power KW	Air volume m³/h	Pump Model	Flow m³/h	Inlet	Outlet
NBT-453	3190×6530	16#	5.5×3	80000×3	125/200-5.5/4	135×2	DN150	DN150
NBT-604	3190×6530	16#	5.5×3	80000×3	125/200-5.5/4	135×2	DN150	DN150
NBT-755	3190×6530	16#	7.5×3	100000×3	125/200-5.5/4	135×2	DN150	DN150
NBT-906	3190×6530	16#	7.5×3	100000×3	125/200-5.5/4	135×2	DN150	DN150
NBT-544	3190×8010	15#	5.5×3	78000×3	125/200-5.5/4	135×2	DN150	DN150
NBT-725	3190×8010	15#	5.5×3	78000×3	125/200-5.5/4	135×2	DN150	DN150
NBT-906	3190×8010	15#	7.5×3	90000×3	125/200-5.5/4	135×2	DN150	DN150
NBT-1088	3190×8010	15#	7.5×3	90000×3	125/200-5.5/4	135×2	DN150	DN150