

Evaporative Humidifier

Evaporative humidification and cooling is generally the process of lowering, humidifying and reducing the ambient temperature by bringing hot and dry air into contact with water.

Technowell Evaporative humidifications and coolers have large surface cooling and humidification pads. Pads stay wet continuously with the water flowing through the channels. The hot, dry air brought inside comes into contact with the moving water as it moves through the pads, thanks to the powerful and quiet fan. Heat transfer occurs between air and water during the passage of air. Cool and humid air is given to the environment to be cooled. The natural evaporation process provides a comfortable working atmosphere by providing fresh and cold air



Advantages

- Provides 100% fresh air and optimum cooling.
- Provides humidification in the indoor environment.
- It consumes 90% less energy than gas systems.
- Installation cost is 50% cheaper than system air conditioners.
- There is no compressor unit, maintenance costs are low.
- It is an environmentally friendly cooler, it does not emit any harmful gas to the environment.
- Evaporative coolers filter bacteria, dust, pollen, and fumes from the outside air, resulting in cleaner and healthier indoor air.
- Unlike gas air conditioners, evaporative coolers do not dry the surrounding air.
- Evaporative coolers provide fresh air at all times and humidify the environment by providing air circulation.
- The mounting position can be easily changed if desired.



Areas of Usage



Air Handling Units



Warehouses



Textile Factories



Bakeries



Carpet Factories



Industrial Kitchens



Glass Production Facilities



Indoor Sports Halls

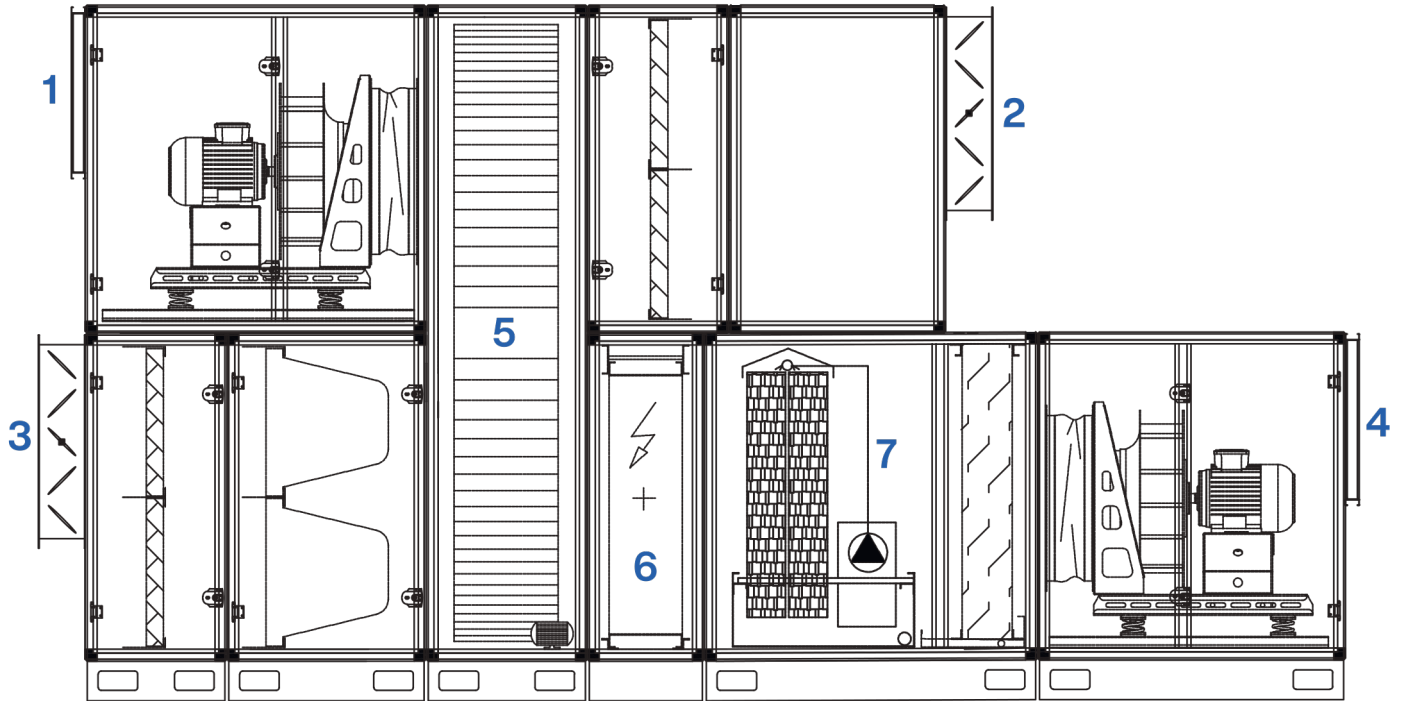


Power Plants



Animal Farms



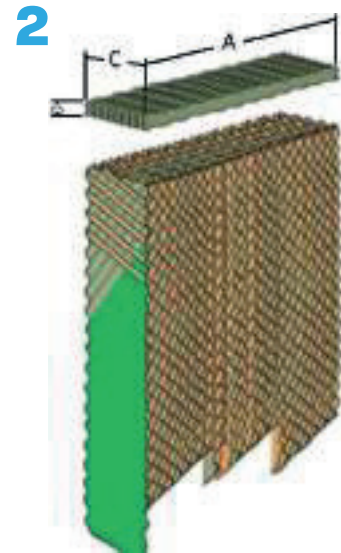
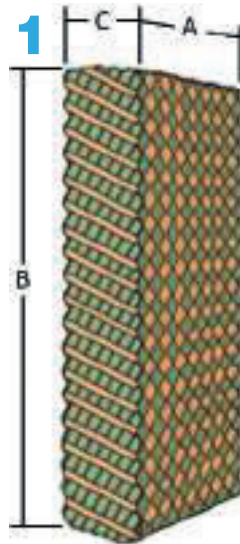
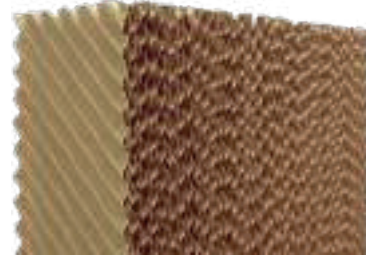
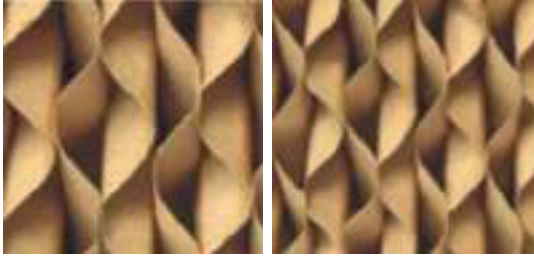


- ① **Inside Air Exhaust**
- ② **Inside Air Suction**
- ③ **Fresh Air Inlate**
- ④ **Inside Air Outlet**
- ⑤ **Rotary Type Heat Recovery Unit**
- ⑥ **Heating Coil**
- ⑦ **Evaporative Cooling**



Type 7090

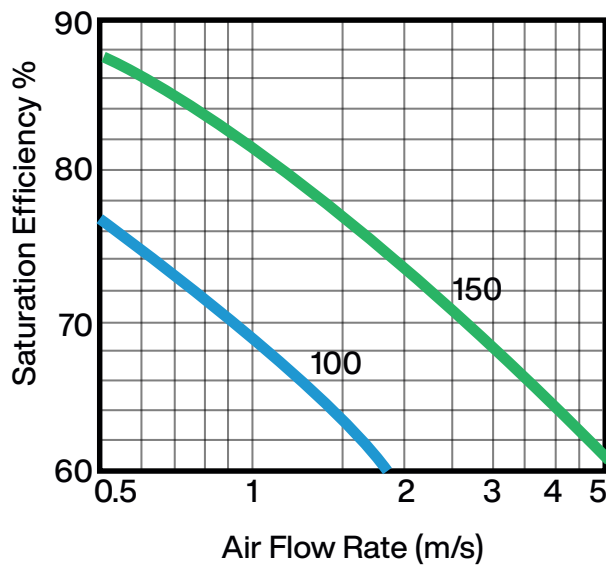
Type 5090



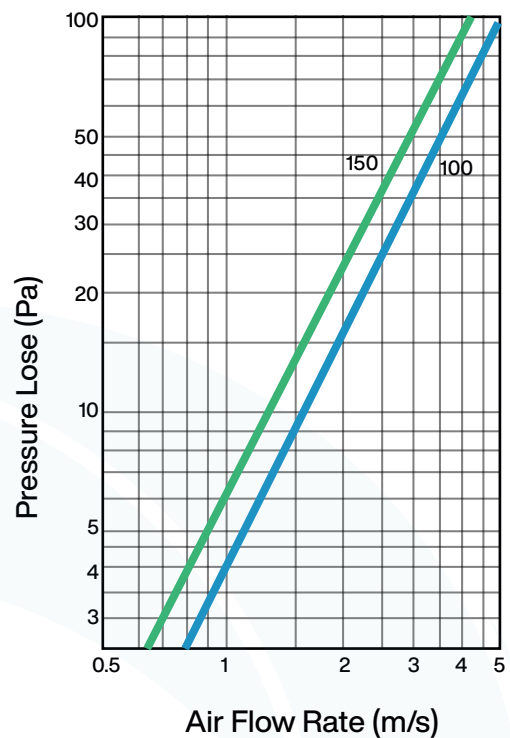
	Standard Heights	Standard Width	Standard Depths
1 Evaporative Heat Exchanger	B: 1500 mm - 2000 mm	A: 600 mm	C: 100 mm - 150 mm
2 Water Distribution Pad	D: 30 mm	A: 600 mm	C: 100 mm - 150 mm

Heat exchanger when high efficiency is required depth may vary, contact Technowell for information.

HONEYCOMB EFFICIENCY AND AIR SIDE PRESSURE DROP



Please contact Technowell for heat exchangers of different depths (efficiency).



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