

ColdAIR Fact Sheet



EVAPORATIVE COOLING SYSTEMS

Prevention of Legionella

Evaporative coolers are unique water-using devices. They should not be confused with cooling towers or evaporative condensers, both of which have been verified as potential legionnaires' disease transmitters.

In contrast, Legionnaires' is not a problem with evaporative coolers.

- **Only water of drinkable quality supplied to the cooler**
This reduces the risk from contaminated supply
- **System design to maximise the evaporation of the water into the air without the water atomising**
This avoids any bacteria transmission in atomised water
- **Low air velocity over the evaporative filters**
This avoids formation of water droplets
- **Automatic control managing the water supply and discharge**
This ensures the drinkable quality of the water
- **Automatic cleaning cycle, replacing the complete reservoir of water**
This avoids any build up of stale water in the cooler
- **The water in the cooler operates at temperatures below the level for the formation of bacteria**
Normal operation of below 20°C ensures there is no potential for the growth of bacteria
- **The cooler automatically discharges the complete reservoir if power fails**
This ensures stagnant water does not remain in the cooler and thus prevents any potential for bacterial growth



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