

ColdAIR Fact Sheet

PORTABLE EVAPORATIVE COOLERS



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, to reduce the risk from contaminated supply
- The cooler is designed to maximise the evaporation of the water into the air stream without atomisation to avoid any bacteria transmission
- Low air velocity over the evaporative filters avoids the formation of water droplets
- Under normal conditions the water, at a temperature less than 20°C within the cooler is operating at temperature below the level for the formation of bacteria
- Employers using portable coolers must comply with Health & Safety and implement regular maintenance of the equipment
- End of season & pre-season maintenance must be adhered to as detailed in section 6 of the ColdAIR portable evaporative cooler manual
- Monthly regular maintenance - even if connected to mains water supply, switch off completely drain the cooler and refill with fresh water
- Periodic maintenance as detailed in the 'pre-season maintenance' section 6.2 of the manual may be required every 3-6 months, dependant on the working environment
- Correctly maintained & serviced portable evaporative coolers present no risk of legionnaires disease, and there is no evidence that one has caused an outbreak



An AmbiRad Group brand



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