

The project team can utilise any of the cooling strategies i.e. either direct evaporative cooling, indirect evaporative cooling or direct-indirect evaporative cooling.

The psychrometric process of direct and indirect evaporative cooling is shown in fig. 502.18(3).

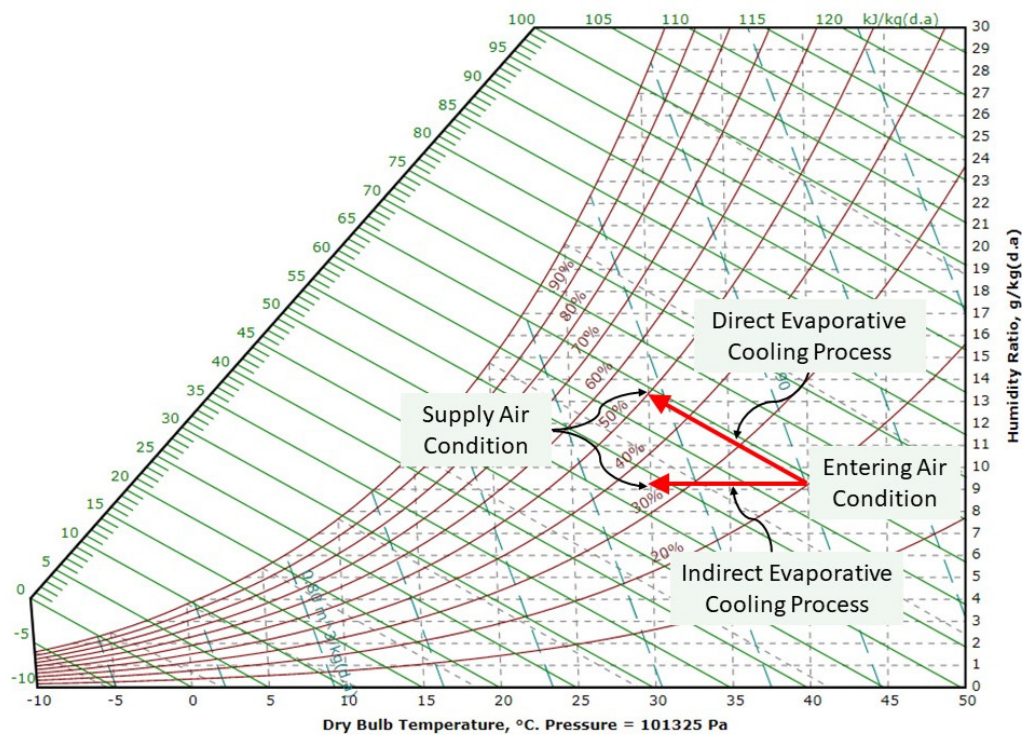


Fig. 502.18(3): Psychrometric Process of Direct and Indirect Evaporative Cooling

Direct evaporative cooling effect can also be achieved by atomisation of pure clean fresh water using misting fan that can be installed in the open corridors and open public spaces (fig. 502.18(4)).



Fig. 502.18(4): Mist Fan Installed in Public Space

To ensure that the evaporative water is always safe and clean, treated water must be used and legionella risk assessment must be evaluated as outlined in *Regulation 406.01: Legionella Bacteria and Building Water Systems*.