

# ELIMINATING UNWANTED CONDENSATE FROM COMPRESSOR UNITS

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WHITE PAPER

## PROBLEM

Split system air conditioners have an external compressor unit situated outside the building. These compressor units create condensate liquid that, without proper drainage, will simply pool under the unit, or in the case of high rise buildings, leak down the side of the building.

This pooling liquid is not only unsightly, but it can be unsafe and slippery, especially if the unit is situated on a balcony of a high-rise building.

Pooled water can develop mould which can be a health risk to those living in the building. The Department of Human Services of the Victorian Government<sup>1</sup> explains that “flooding, excess moisture and pooled water can contribute to the growth of mould in your home, which may be a health risk for you and your family.” They go on to explain that “moulds can trigger asthma attacks and aggravate other respiratory and allergic conditions.”

The liquid can also cause rusting and staining on the balconies or building surfaces as it leaks down the side.

## ALTERNATIVE OPTIONS

Many compressor units are installed with drainage systems utilising plumbing and pipework which can be expensive and difficult to install. These systems need to be installed by plumbers and can be difficult or bulky in high-rise buildings.



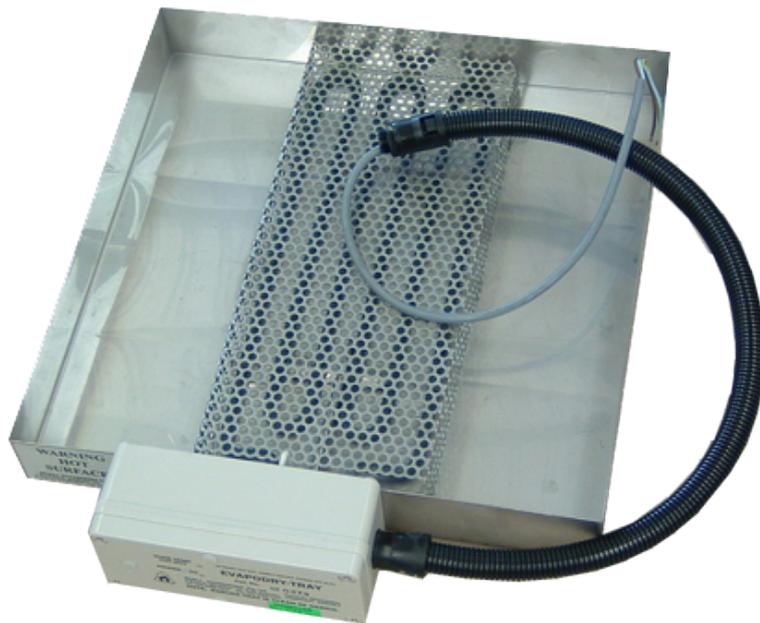
## SOLUTION

The Evapodry Tray provides the solution to unwanted condensate, especially in the high-rise building setting. The tray is designed to evaporate the unwanted condensate liquid from the compressor unit.

The Evapodry tray is designed to fit under the air conditioning system's compressor unit and catch the liquid. Once liquid has collected in the tray, the inbuilt probe will switch on the 240V 1000W electric heating element and begin the evaporation process.

The standard size Evapodry (400x400x55mm) is designed to fit flush under the compressor unit, saving space, and is easily installed by simply plugging into any normal 10A outlet. The Evapodry can sense liquid levels of as little as 1mm and has a time delay system to ensure that all liquid is evaporated before the element is switched off. The standard 1kW tray can evaporate up to 1L of liquid per hour.

Evapodry's can be designed to suit specific needs and offer different power ratings for different evaporation rates.



## REFERENCES

1. *Flood – mould growth and your health*. Department of Human Services, Environmental Health Unit, Victorian State Government. June 2007.

[http://www.health.vic.gov.au/environment/downloads/mould\\_growth.pdf](http://www.health.vic.gov.au/environment/downloads/mould_growth.pdf)