

# HUMIDITY SOLUTIONS

Independently better

- Perfect humidity control in the home or office
  - 2kW of cooling for 20W of energy
- 100% natural process, no gasses, chemicals or large energy bills

  
HomEvap



## HomEvap Humidifier

The HomEvap Humidifier is a safe and energy-efficient humidifier, using the natural process of water evaporation to add water vapour to the incoming air. The humidifier is positioned after the heat recovery unit (HRU) which warms up the incoming air resulting in low relative humidity. This air passes through the HomEvap controlling the humidity. A built-in heater can warm the air to overcome the cooling effect if required. A Legiosafe® water filter is fitted as standard to guarantee healthy and safe operation.

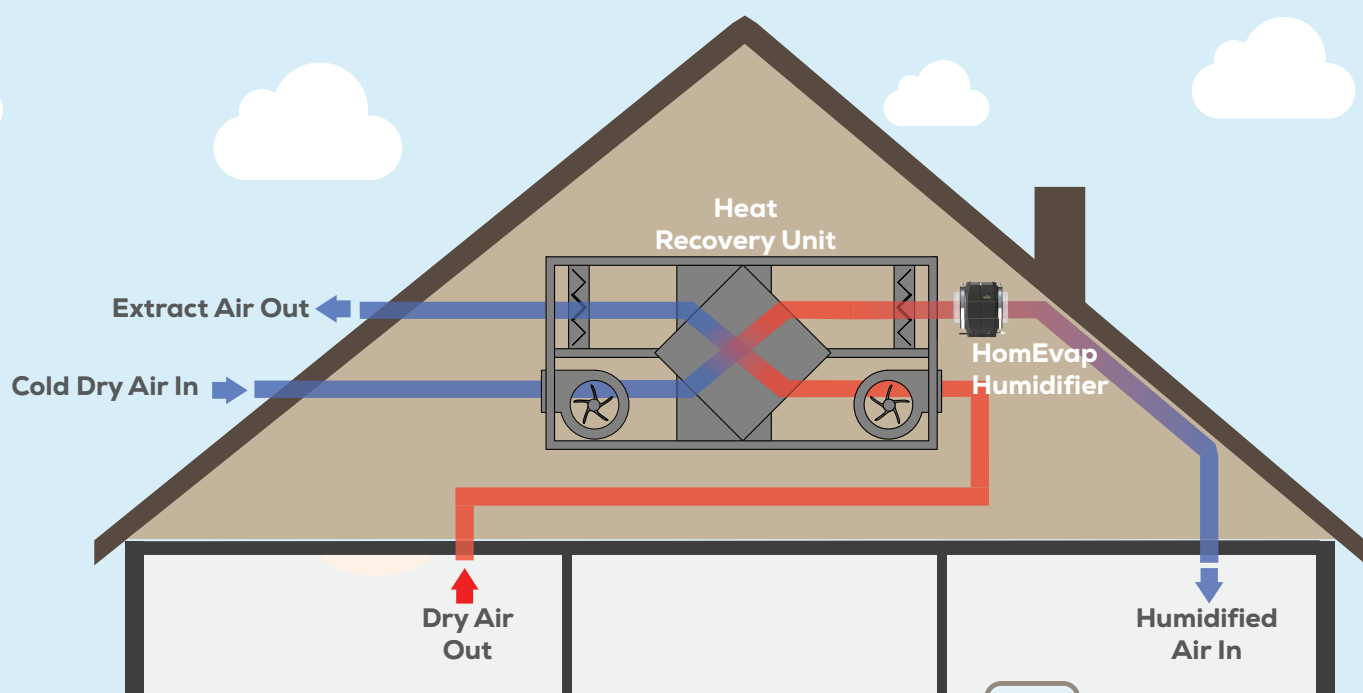


**Advantages:** Energy efficient humidity control, silent, remote wireless control, bacteria safe, directly connected to HRU or air ducts.

**Reasons to humidify:** To prevent sound boards on pianos and other instruments from cracking or losing tune, veneers from splitting or cracking, the spread of airborne viruses, dry mouth whilst sleeping or to reduce the irritation of eczema and sore eyes. To eliminate static shocks.

Model	HEPH
Dimensions LxBxH	258 x 344 x 335mm
Humidification Capacity	0-4 Litres/Hr
Maximum Cooling Capacity	2kW
Electricity Consumption	20W, heater active 900W
Maximum Water Consumption	5 litre per hour
Water Supply Connection	3/4 internal thread with connection to 4mm
Water Drainage Connection	15 mm hose grommet 50cm
Maximum Air Volume	600 m3/h
Duct Connection	Standard R200 mm

## Winter Conditions





## HomEvap Cooler

The HomEvap cooler unit cools the outgoing extract air by means of evaporating water held in the airflow by the cooler's matrix. This evaporation process of changing water to humid air creates what is known as adiabatic cooling. This cooled air then transfers this lower temperature air to the incoming air via the heat exchanger which cools the supply air.

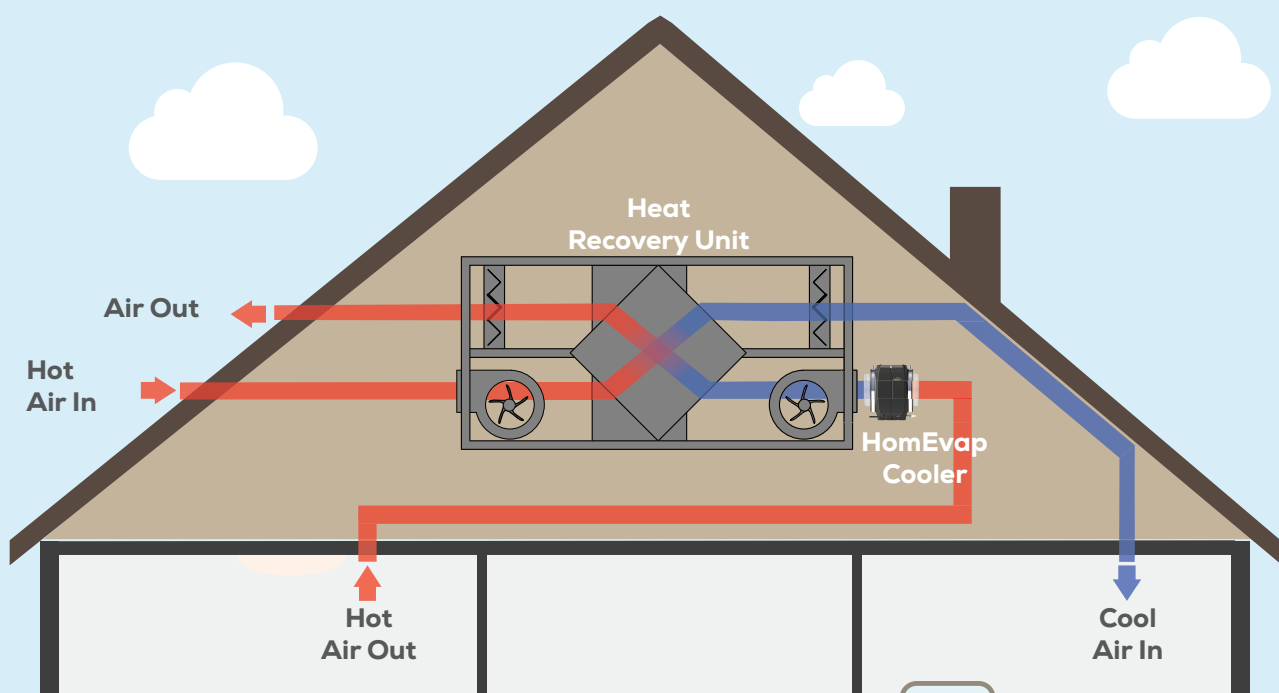
Incredibly we can achieve 2kw of cooling for 20 watts of energy usage.

**Advantages:** Easy to install, silent, low energy, gas free cooling, remote wireless control, directly connected to HRU or air ducts.



Model	HEPC
Dimensions LxBxH	258 x 344 x 335 mm
Humidification Capacity	0-4 Litres/Hr
Maximum Cooling Capacity	2kW
Electricity Consumption	20W
Maximum Water Consumption	5 litre per hour
Water Supply Connection	4mm
Water Drainage Connection	15 mm hose
Maximum Air Volume	650 m3/h
Duct Connection	Standard R200 mm

## Summer Conditions



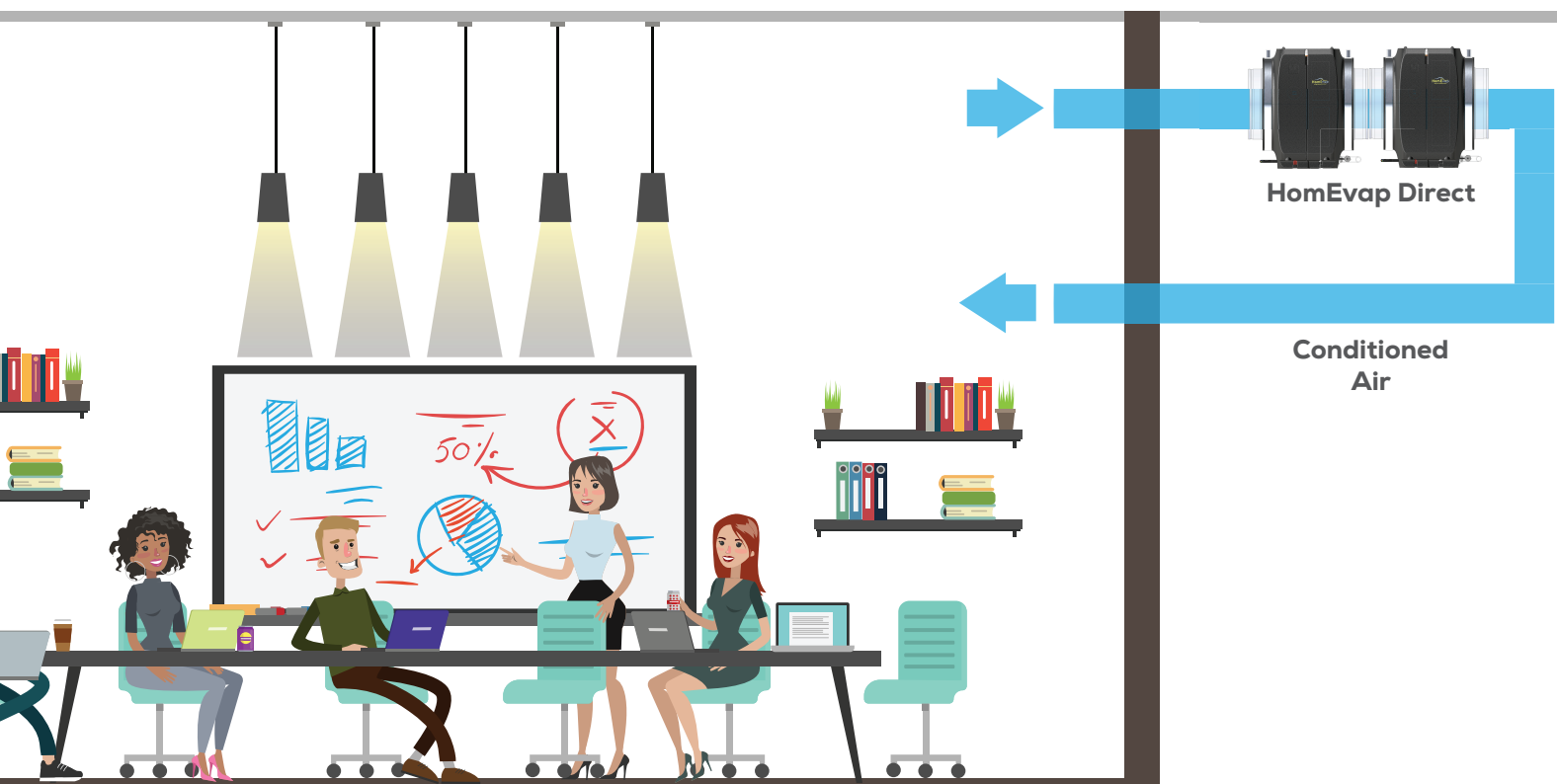
## HomEvap Direct

HomEvap direct does not require connection to a heat recovery unit. The system is stand alone and can be discreetly positioned above a ceiling or in a cupboard. Using a low energy, quiet fan it allows the efficient spread of cooled air with humidity control through the work place or home. Ideal for spot cooling / humidity control or to make the whole environment more comfortable.

**Advantages:** Low energy cooling and humidity control with discrete installation. Virtually silent with wireless control makes retro fitting straight forward.



Model	HEPDH
Dimensions LxBxH	258 x 344 x 335 mm per Unit
Humidification Capacity	0-4 Litres/Hr
Electricity Consumption	20W, heater active 900W
Maximum Water Consumption	5 litre per hour
Water Supply Connection	3/4 internal thread with connection to 4mm
Water Drainage Connection	15 mm hose grommet 50cm
Maximum Air Volume	600 m3/h
Duct Connection	Standard R200 mm



## HomEvap Combi Comfort

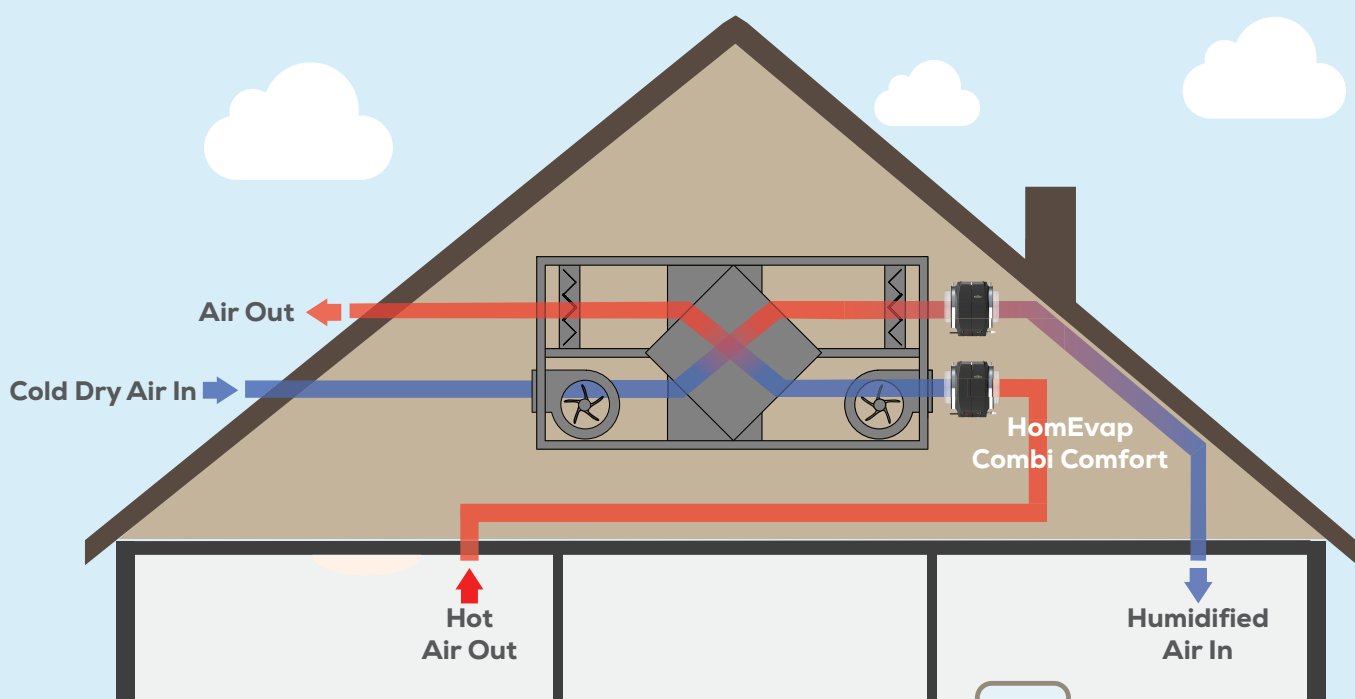
The HomEvap Combi Comfort combines the advantages of the cooler and humidifier in one efficiently controlled package providing all year-round comfort in the home or office. Again, used with an HRU it can provide temperature conditioning in the summer and humidity comfort in the winter.

**Advantages:** Low cost, low energy cooling, efficient humidity control, easy to install with wireless automatic control.



Model	HEPCC
Dimensions LxBxH	258 x 344 x 335mm per Unit
Humidification Capacity	0-4 Litres/Hr
Electricity Consumption	20W, heater active 900W
Maximum Water Consumption	5 litre per hour
Water Supply Connection	3/4 internal thread with connection to 4mm
Water Drainage Connection	15 mm hose grommet 50cm
Maximum Air Volume	600 m3/h
Duct Connection	Standard R200 mm

## Year Round Conditions







### About Us

Formed in 2008 in response to a market need for a humidity control specialist whose focus is on customer care and quality of equipment.



Being independent of a controlling manufacturer allows us to source the best humidifiers and dehumidifiers on the market to create the widest range of humidity control equipment in the country.

Our services include design, install, commissioning and planned maintenance, thus allowing us to provide complete turn key solutions for the whole life of the equipment. This makes Humidity Solutions the 'go to' company for any humidity related issue.

Application knowledge is also our strength, with years of experience in sectors such as HVAC, off-shore, food production, manufacturing, pharmaceutical and print



With our head office, warehouse and training facility conveniently located just off the M25 in Surrey, we cover the whole of the UK and Ireland and would be delighted to be of service.



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