

TPR HOME IMPROVEMENTS

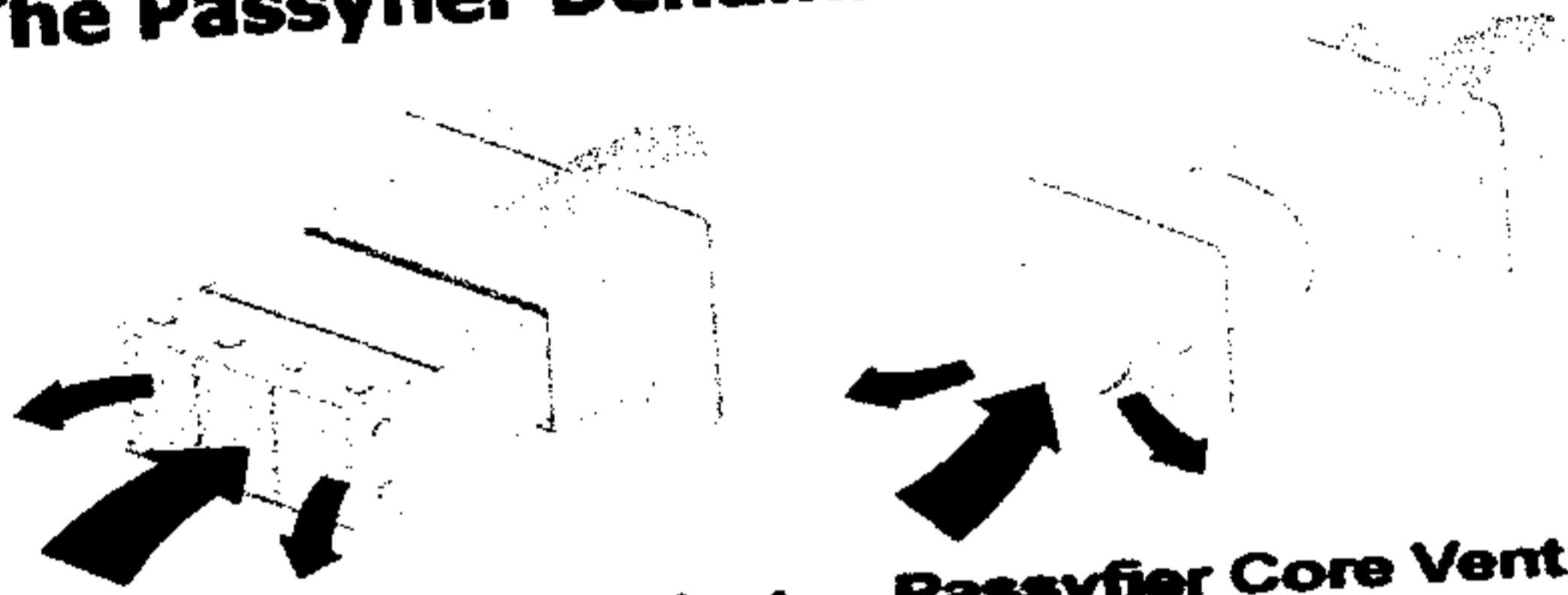
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Condensation occurs when the water content of the air rises above a level called the "Dew point". At such time, water droplets will form on the coldest surfaces e.g. windows, external walls etc.

Nowadays most properties are insulated to prevent warm air from escaping. This reduction in ventilation allows the air contained in the property to reach a higher relative humidity.

In winter months, when the problems of condensation are at their worst, most ventilation systems and extraction fans are switched off because they introduce too much cold air into the property. We have a product on offer which will solve this problem and not allow cold draughts into your home but will prevent condensation.

The Passyfier Dehumidifier Vent



Passyfier Sleeved Vent

Passyfier Core Vent

Ever since the "greenhouse effect" raised its ugly head, everyone has been aware of the need to conserve energy. They may not be doing it, but they are aware of it! The easiest way to conserve energy is to insulate properties to stop heat escaping. Unfortunately, that also stops moisture vapour escaping - about two gallons per day for the average household - and leads to condensation on cold surfaces. The dilemma has been either to insulate and invite condensation and black mould (potentially hazardous to the health of the very young or elderly), or to continue losing heat and suffering draughts.

Well, the answer lies in a thinking person's vent. It combines a through-the-wall, "warm" telescopic sleeve with a slab of mineral wool inside, louvered vent internally and an appropriate external cover. The mineral wool is transparent to the seepage of moisture vapour whilst simultaneously preventing cold draughts so householders are not tempted to block them up with paper. They can easily be retrofitted in response to condensation call-outs, during refurbishment programmes or installed directly in new build. A typical house needs about four/five Passyfier units. Quite often an existing 225 x 150 mm (9" x 6") airbrick is replaced with a Passyfier Sleeved Vent Kit.

Passyfiere take advantage of the differential partial moisture vapour pressure that is normally higher inside an occupied building than on the outside.