# Positive Input Ventilation (PIV) Flat System Running Costs

*Costs are based on the Envirovent PIV Flat model with Preheat Facility. These are normally set at Medium fan speed but costs relating to all fan speeds have been calculated and included.*

## PIV System Running Costs

Trickle – 3.4 watts < 19˚C and 3.6 watts> 19˚C = £10.22 per year (equivalent to approx. 85p per month)
Medium – 3.8 watts < 19˚C and 4.4 watts> 19˚C = - £11.61 per year (equivalent to approx. 97p per month)
Large – 4.8 watts < 19˚C and 5.4 watts> 19˚C = - £14.59 per year (equivalent to approx. £1.22 per month)
Boost – 6.1 watts < 19˚C and 7.4 watts> 19˚C = - £18.80 per year (equivalent to approx. £1.57 per month)

**Calculation:**

(Watts / 1000) = kW x (hours the fan is on per year x cost per kWh @ 34p)

(Assumes 24 hours a day for 305 days, equivalent to 7320 hours a year below 19˚C, plus 24 hours a day for 60 days, equivalent to 1440 hours a year above 19˚C):

Example for Trickle = (3.4/1000 x 7320 x 0.34 = £8.46 per year) + (3.6/1000 x 1440 x 0.34 = £1.76 per year)

When the air temperature is below 19˚C, the unit runs in Condensation Control mode at a lower airflow rate and running cost. When the air temperature exceeds 19˚C, the unit increases the airflow by 10% which also increases the running cost. Costing has therefore been allowed for 305 days in Condensation Control mode and 60 days off at the increased rates.

The Positive Input Ventilation System is fitted with a pulse heater that can be allowed to operate automatically or could be switched off manually. Costing this is very difficult as varying temperature and milder winters can prevent the heater operating or cause intermittent usage. The Pre Heat facility generally switches on when the air temperature drops in the colder months and maintains an incoming air temperature of 10˚C.

**Additional Pre-Heat Facility Cost (when on):** (500/1000 x 1 x 0.34) = £0.17p per hour

Sound @ 3m < 15 dB for Trickle to Medium Speed's. 17 dB for Large and 20.3 dB for Boost Speed's

*Please Note – Energy consumption calculations are dependent on kWh and will vary on differing tariffs. Currently according to Ofgem for a typical customer paying by direct debit, the cost will be 34p per kwh for those on the standard variable tariff. Further details can be found at www.ofgem.gov.uk.*

**Are you struggling with Energy Bills or need help getting the best energy provider for your home?**

We operate a Tenancy sustainment duty line between 9am to 5pm, Monday to Friday that you can call for advice. Please note the line is closed on bank holidays.

West of England and Somerset Duty Line – 01934 526 444. Devon
and Cornwall Duty Line – 01392 302 444.

Alternatively, you can complete a Tenancy Sustainment Self-Referral Form on our website at www.livewest.co.uk