

## Fittleworth C E Village School

case study



***“The hand dryers have massively reduced the amount of paper used. Very happy with them”***

Liz Wilmshurst - Admin Manager, Fittleworth C E Village School

### About Fittleworth C E Village School

Fittleworth Village School is a Group 1 Church of England School in the Western Area of the West Sussex Education Authority. It provides education for approx. 125 children aged 4-11 years. Opened in July 1990, it comprises 5 classrooms, a library, a curriculum kitchen and additional work areas. One of its main aims is to provide a happy, healthy, stimulating and safe learning environment within which adults and children feel empowered to take risks and fulfil their potential.

### The challenge

The school were previously using paper hand towels as the method of drying the hands after visiting the washroom.

They decided to replace these with energy efficient hand dryers to reduce paper waste. They also wanted to be able to keep the bathrooms cleaner, with less paper on the floor that had missed the bins.



## The solution

Providing a quick dry time yet Quiet Mark approved low noise volume, this vandal resistant hand dryer has 4 settings to maximise energy efficiency and minimise running costs.

Model: Dryflow Viper

Dry time range: 15 - 20 seconds

Rated power: 600W - 2000W (4 settings available)

Guarantee length: 3 years



## The results

Annual paper towel cost: £1,284 (based on 0.4p per paper towel)

Annual cost to use new equipment: £37.45 - £124.83 (based on 14p per kW/h)

**Annual cost savings: £1,159.17 - £1,246.55**

Estimated return on investment period:

**Payback period: approx. 1.29 – 1.38 years**

Annual paper towel carbon production: 2408 Kg/CO<sub>2</sub> (based on 22.5g/CO<sub>2</sub> per toilet visit)

Annual hand dryer carbon production: 62 – 205 Kg/CO<sub>2</sub> (based on 1kW = 0.23 kg/CO<sub>2</sub>)

**Annual carbon savings: 2203 – 2346 Kg/CO<sub>2</sub>**

**Annual number of trees saved: 13**

