

# PHS Washrooms Case Study

## Wombwell High School, South Yorkshire

As a busy school with over 900 pupils, Wombwell High School has to manage budgets carefully, as well as making sure that environmental considerations are always taken into account. Water and energy usage in the washrooms has recently been evaluated and this has resulted in the installation of water and energy saving products throughout the school's washrooms.



Exclusive to PHS Washrooms, Flush-wiser® Urinal Flush Control is an Intelligent Water Management System that uses infra-red technology to match urinal flush rate to usage. It directly links the number of people using the washroom to the flush rate, conserving up to 90% of water and dramatically cutting costs on water bills. Matching flush rate to washroom usage ensures optimum economy and hygiene levels. If the washroom is unoccupied for long periods (for example overnight or when school is closed) the cistern will flush just once every 8 hours to maintain hygiene standards.



Flush-wiser® WC Flush Control is an innovative water saving device for WCs that has enormous environmental benefits, and saves water and money with every flush. It is attached to the siphon in the WC cistern, where it reduces the amount of water used to flush by up to 3 litres. It is adjustable, so optimum levels of water are saved without compromising hygiene.

Airforce™, PHS' high speed, low energy hand dryer, saves up to 80% of energy used compared to previous dryers. At just 1.1kW output, it couples low energy use with a fast dry time. With SteriTouch® antibacterial surface protection, it also helps fight cross-infection.



### Common Problems:

- Excessive urinal flushing
- High expenditure on water bills
- Unnecessary flushing when the washroom is empty
  
- Unnecessary wastage of water when flushing WCs
- High energy use by inefficient hand dryers
- Water splashes on wall and floor
- Dryers have potential dirt traps due to design
- Plastic covers can age quickly

### PHS Solution:

- Installation of PHS Flush-wiser® Urinal Flush Control
- Provides maximum water savings without compromising hygiene
- Reduces expenditure on water and sewerage bills by up to 90%
  
- Installation of PHS Flush-wiser® WC Flush Control, saving up to 3 litres of water per WC flush
- Installation of PHS Airforce™ - high speed, low energy hand dryer, just 1.1 kW/h power output
- Incorporates SteriTouch® antibacterial surface protection, dramatically reducing spread of bacteria such as MRSA, e-coli and Salmonella
- 11 air outlets offer wide distribution of airflow, increasing comfort and reducing dry time
- Die-cast aluminium cover means dryer is sturdy and long lasting; smooth design ensures no dirt traps



Mark Fisher with  
Karen Davis,  
PHS Washrooms

*"Installing these products has enabled us to save hundreds of pounds a year, with no effect on routine or hygiene. I'm happy that it has been so easy to save water, energy and money!"*

Mark Fisher,  
Facilities Manager,  
Wombwell High School

