

Electroflo



Electroflo produces a winning finish at the Weymouth & Portland National Sailing Academy:

A case study in hygienic, water-saving washrooms



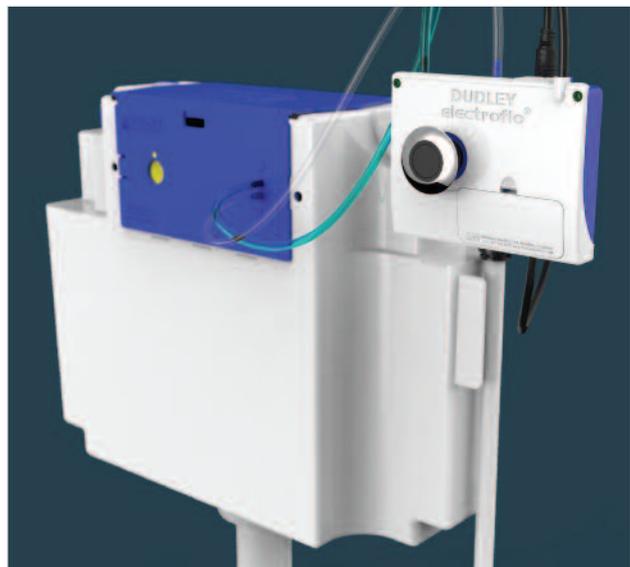
Weymouth & Portland National Sailing Academy

The innovative Dudley Vantage Electroflo system is helping to provide a hygienic, water-saving solution for the Harbourmaster's building at Weymouth & Portland National Sailing Academy.

The Harbourmaster's building provided the toilets, showering and changing facilities for the Olympic sailing and rowing teams.

The Vantage delivers 6/4,5/3,4/2.6 litre dualflush to help minimise the amount of water used for flushing toilets: thus solving the client's need to install water-saving cisterns.

The Electroflo provides touch-free infra-red flushing through a single discreet sensor which is activated when a hand is waved across or held in front of the sensor. This greatly improves hygiene as it removes the need for users to touch a lever, pushbutton or push plate which was of paramount importance for the Olympic athletes. The sensor informs the user when full or reduced flushing is being delivered and when the cistern is refilling.



Simple to install and a proven water-saver

With the installation likely to be very heavily used, water-saving and hygiene were key drivers behind the choice of products. Thomas Dudley's commercial washroom specialists worked with contractors Buckland Developments to satisfy both requirements.

The final specification comprised seven market-leading Dudley Vantage concealed cisterns coupled with innovative Dudley Electroflo electronic WC flushing controls.

Dudley Vantage cisterns incorporate a host of time-saving features and were the perfect choice for the Olympic changing amenities.

In addition to water-saving and hygiene, the Vantage and Electroflo have produced an aesthetically pleasing finish. The Vantage sits neatly behind panelling leaving only the Electroflo's stylish sensor and chrome plated surround visible.



The interactive sensor and commercial sensor surround complete with operating instructions.

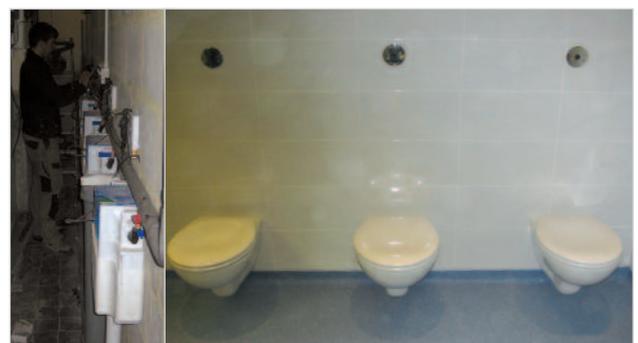
Potential water savings that can be achieved using Electroflo WC

Application	Traditional 6 litre single flush WC	Electroflo providing 6/4 litre dualflush
Domestic bathrooms (based on family of 4 each using tap 6 times per day): 1 full flush to every 3 reduced flushes:		
Uses per day	24	24
Average water used per visit	6 litres	4.5 litres
Total water used per year	52,560 litres	39,420 litres
Annual water saving		13,140 litres
Annual financial saving (based on estimated metered charges at September 2011)		£23.78
Commercial washroom (based on each tap being used 100 times per day). 1 full flush to every 3 reduced flushes:		
Uses per day	100	100
Average water used per visit	6 litres	4.5 litres
Total water used per year	219,000 litres	164,250 litres
Annual water saving		54,750 litres
Annual financial saving (based on estimated metered charges at September 2011)		£96.21

Developed with the installer and user in mind

The Vantage provides 6/4 litre dualflush and can be quickly converted to 5/3 or 4/2.6 litre dualflush. In commercial sector applications, if a WC for example is used 100 times per day, annual water consumption per WC can reduce by almost 55,000 litres. It also comes factory fitted and can be installed in less than half the time of traditional concealed cisterns.

Like all Dudley products, the Electroflo has also been developed with the installer and end user in mind.



As such, it is simple to fix, extremely reliable and easily serviced. The control box can be powered by battery or mains via a transformer and has successfully passed rigorous 200,000 cycle endurance tests.

The Electroflo range also encompasses a version for ceramic WC cisterns, touch-free electronic taps and the Multiflo intelligent urinal controls. The Dudley Illusion range provides strong in-wall frames for wall-hung sanitaryware.

Please refer to the Dudley Product Range Catalogue or visit www.thomasdudley.co.uk/specification.



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- We recycle our waste paper by shredding it on-site and re-use it for packing purposes.
- Our foundry converts scrap iron into value added products to provide the ultimate recycling service.
- Our plastics division recycles waste plastic produced during production.
- We manufacture and strongly promote the use of water-saving bathroom products. To enable these to be easily identified by specifiers, our packaging and literature are clearly labelled with Water Technology List and Bathroom Manufacturers Association Water Label branding.
- Water-saving dualflush WCs are installed throughout our premises.



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TD Thomas Dudley Ltd.
Manufacturing in the UK since 1920

P.O. Box 28, Birmingham New Road
Dudley, West Midlands DY1 4SN
Tel: 0121 530 7000 (Sales) 0121 557 5411
Fax: 0121 557 5345

E-mail: sales@thomasdudley.co.uk
www.thomasdudley.co.uk