

Smartflush

water-saving system

DON'T FLUSH YOUR PROFITS DOWN THE

DRAIN

Save up to
90%
on your
water bills

After fitting **Smartflush**
you'll start seeing the
benefits immediately!

- reduced metered water bills
- typical payback within six months
- proven reliability
- optimises water usage
- programmable maintenance flush
- assured hygiene
- adjustable economy settings
- technical support
- complies with legislation



Cost effective urinal control
www.springwellmicro.co.uk

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Typical Payback Under 6 Months - How Much Could You Save?

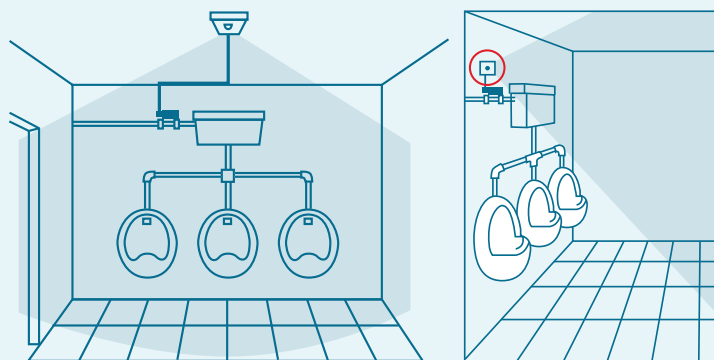
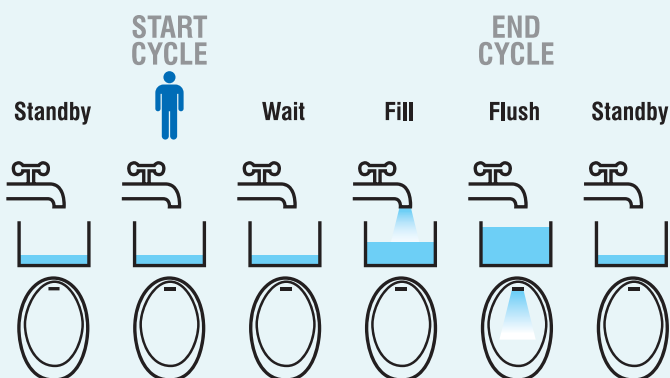
An uncontrolled urinal flushing every 20 minutes flushes 504 times each week, using about 240 cubic metres annually for a small, nine litre cistern, costing typically £650*. (Charges vary by region, example is Yorkshire Water 2014). The same urinal fitted with Smartflush will still flush within a short time of urinal use but use much less water by starting a flush cycle only after use.

*Water 129p/m³ *Sewerage (95% of consumption) 153.3p/m³

	Flushes/Week	% Saving	£ Annual Water Cost	£ Annual Saving
Village Hall used 3 times a week	49	90%	£63	£587
Restaurant open each evening	73	86%	£94	£556
Pub open all day	163	68%	£210	£440
School in term time	92	82%	£118	£532
Factory working 24 hrs/day	288	43%	£372	£278
Busy office open weekdays	89	83%	£115	£535

How Smartflush Works

Smartflush waits until movement is detected, then delays before filling and flushing the cistern.



The PIR can be fixed anywhere to give optimum detection - on the ceiling or the wall

Cycle Time, from triggering to the end of the flush, may be set to 20,30, 40 or 60 minutes.

Fill time, up to 31 minutes, is easy to set. In Standby, a Maintenance Flush occurs every 8, 12 or 24 hours, timed from last flush.

Specification

Supply Voltage	6V DC (230V AC version optional)
Battery life	3-4 years with low cost alkaline battery pack supplied
Low battery action	Buzzer tweets near end of life then disables valve opening when critical
Motion sensing	PIR* with domed fresnel lens
Detection area	100 x 60 degrees beam width
Detection range	5m ahead, 2m at edge of beam. Optional reduced sensitivity setting
Control valve	Magnetically latching solenoid, 2mm orifice, 15mm compression fittings
Max. water pressure	12 bar
Min. water pressure	1m head; optional 4mm orifice valve available for very low pressures
Fill time	0-31 minutes, 1 second resolution
Flush cycle time	20, 30, 40 or 60 minutes set via switches
Maintenance flush	None, 8, 12 or 24 hour intervals
Manual flush	Hidden button on front of unit gives instant fill, enabled or disabled via switch
Battery check	Hold down manual flush button to show battery state
Visual indication	A red light in the dome flashes once on manual flush and at start of each cycle

*PIR - Passive InfraRed detection, an electronic device which detects movement of body heat.

High Standard of Hygiene

Unlike hydraulically-operated units, Smartflush is designed to flush within a short time of every use, typically no more than 30 minutes, so the urinal stays fresher for longer. Fast filling ensures that the cistern gives a proper flush, avoiding the constant trickle out which sometimes happens with trickle-fed cisterns.

Cycle time may be adjusted at any time to 20, 30, 40 or 60 minutes.

Designed and manufactured in the uk by



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