

Stop! Why change out the Urinal Bowls? Just change the pipe work.

The Smart Waterless Urinal System, consisting of the Valve, the Hygiene Ring, the Adapter, a connecting piece and a maintenance key, for touch-free maintenance, is the new era of waterless urinals. Unlike other existing Waterless Systems.

This system can be retrofitted into any existing urinal bowl; therefore eliminating all the unnecessary installation costs. It's as simple as removing the existing insert and trap, replacing it with the waterless adaptor and valve and turning of the water. No removing bowls, no lifting, no mess, and above all less costs.



Application



The patented Smart Waterless Urinal System was developed for use in waterless urinals. It replaces water with technology. The membrane in the Valve works according to the Bernoulli principle: the cohesive forces of the membrane made of a special surface and a suitable mix of materials are so strong after wetting that the two lips close airtight. When used, the valve only opens in the direction of the drain. The Smart Waterless Urinal System replaces flushing water and sealing liquids entirely.

With an average of three Valve changes per year, per urinal, the Smart Waterless Urinal System can save between 120,000 and 150,000 litres of water annually.

One Valve alone can save between 40,000 and 50'000 litres of drinking water!


SmartEnergySystems Ltd.
water, energy, environment save everyday.

To find out more about the Smart Waterless Urinal System contact SES Ltd on:

Tel: **(065) 6895280** • E-mail: **info@smartenergysystems.ie**
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Comparative Analysis Waterless Urinal Systems vs. Flushed Wall Urinal

If one male urinal is averaging 100 flushes a day, the consumption of that ONE urinal per day is about 380 litres, or 138,700 litres a year. More flushes per urinal means higher water consumption and water cost.

Aside from the water consumption, water companies also charge establishments sewer usage costs. The more wastewater a commercial establishment disposes, the higher the bill.

Installing the Smart Waterless Urinals would eliminate this water usage, and costs.

Components

Maintenance handle

Touch-free, hygienic replacement of the Valve and Hygiene Ring.

Hygiene Ring

Can be provided along with the valve. Provides fresh air smell to the room, contains the same agents as cleaning liquid.

Valve

The core of the Smart Waterless Urinal System. The Valve closes off odours and replaces flushing water and sealing liquids.

Adapter

Basic adapter for converting from a water urinal to a valve waterless system. Adapters available for most systems including other manufacturer's waterless urinals.



Flushed Urinal	1 Urinal	2 Urinals	3 Urinals	4 Urinals
Yearly Water Consumed	139m ³	278m ³	417m ³	556m ³
Yearly Water Cost	€188	€375	€562	€750
Yearly Waste Water	€208	€417	€625	€834
Average Urinal Cost Per Year	€396	€792	€1,187	€1,584


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