



The World Needs Water

Meeting our water resource challenges begins with better managing our water usage.

ecoBETA® conserves the world's most precious resource – WATER – by eliminating over-flushing of toilets.

ecoBETA®
Award-Winning Water-Savers

Save our water

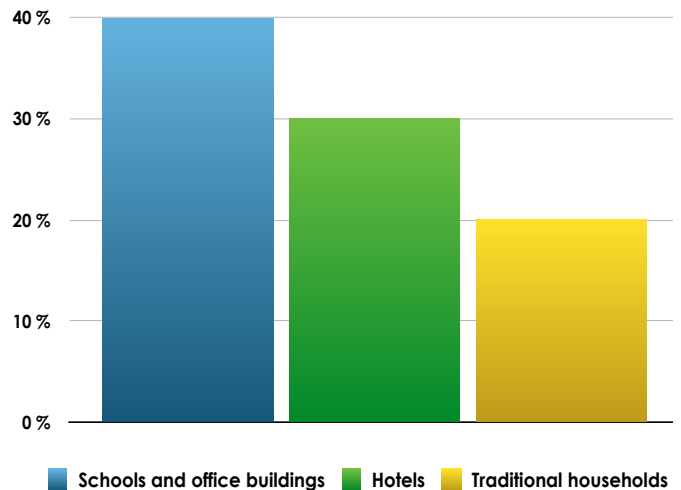
Toilet flushing constitutes the single highest use of water in homes, institutions and office buildings, and therefore represents a prime opportunity for water conservation.

With the average person flushing 5-7 times a day, toilets make up about 30% of overall household water consumption. This figure is even greater in institutions and office buildings.

In the light of the world's substantial challenges of water scarcity, the founder of ecoBETA® saw an opportunity to improve the modern concept of the dual-flush set-up, and designed a water-saving dual-flush valve with only 1 button or lever, simple to use and made up of only few parts to ensure easy maintenance and minimize the risk of leakage.

Today, the ecoBETA® dual-flush has won several international prizes for the water-saving potential, design, operation and quality, and more than 3 million valves and retrofits have been installed worldwide by organisations focusing on sustainability.

Typical savings in gross water consumption after implementation of ecoBETA®



MARIEVANGSKOLEN,
PUBLIC SCHOOL IN SLAGELSE, DENMARK

“Simple and intuitive operation – with ecoBETA® the user must make an extra effort to use more water. Already 1 year after installation, our considerable savings on the water budget have released funds for other initiatives!”

This **1** button ensures water-savings up to 50% per flush

A simple design solution that changes human behaviour

The ecoBETA® dual-flush is a good example of how a small change in design can make a huge change in people's behaviour. It is surprising how much water can be saved!

Benefits include:

- Simple and intuitive – no confusing dual-button set-up
- Documented water-savings up to 50% per flush
- Documented user satisfaction up to 99%
- Easy fitting into most toilet makes and models
- Sturdy and leakage resistant – no need for maintenance

The ecoBETA® dual-flush makes it impossible to waste water

- With ecoBETA® the choice to use water is never made by accident as the user has to hold the lever or button for a few seconds for the large flush
- The large flush is interrupted when the flush button/lever is released
- No risk of continuously running water as the valve does not leak
- Easy adjustment of the small flush to the minimum volume required



The ecoBETA® dual-flush makes it easier than ever to significantly cut water consumption.

SAVE WATER



ecoBETA®

With ecoBETA® you have to make an extra effort to use water!













The ecoBETA® dual-flush can be operated by lever or by button, upwards or downwards. Fitting of the valve inside the cistern does not involve any visual changes to the sanitary ware.

EXTRACT OF WATER EFFICIENCY EVIDENCE BASE
FROM ENVIRONMENT AGENCY (UK), 2012

“Whilst each device type will have its own story to tell, the dual flush device (most commonly the ecoBETA®) shows the most consistent statistically significant results.”

ecoBETA® dual-flush valves and retrofits

Patented solutions for every type of cistern commonly found around the world

	EUROPA	USAV TWIN	ecoFLUSH	USP TWIN	SWING	SIPHON
						
Type	Standard valve incl. inlet valve	Standard valve incl. inlet valve	Standard valve incl. inlet valve	Retrofit valve incl. inlet valve	Retrofit – fitted above on existing valve	Retrofit – fitted above on existing valve
Control	Button activated	Lever activated	Lever activated	Lever activated	Button or lever activated	Lever activated
Technical data	2" drop down valve Cistern outlet hole ø58-62 cm Lid hole ø38-40 cm The eco/RAPID and silent inlet valve for bottom or side connection guarantees performance.	2" drop down valve Cistern outlet hole ø58-62 cm The eco/RAPID and silent inlet valve for bottom or side connection guarantees performance.	1.5" drop down valve Cistern outlet hole ø48-52 cm The eco/RAPID and silent inlet valve for bottom or side connection guarantees performance.	To convert single flush toilets 2" flapper valve The eco/RAPID and silent inlet valve for bottom or side connection guarantees performance.	To convert single flush toilets	To convert single flush toilets
						
Region	Europe, Africa, Asia	America, Asia	Great Britain, Commonwealth	America, Asia	All markets	All markets

Easy fitting into most toilet makes and models

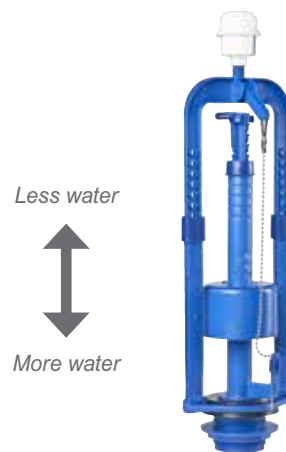
The ecoBETA® dual-flush solutions can be fitted into both lever and button operated toilets in replacement of single flush or dual-flush valves. Fitting is simple and only requires a basic understanding of plumbing.

The small flush volume can be set to the minimum amount of water required by the toilet bowl and the sewage system, from 2½ to 5 litres or more.

The ecoBETA® dual-flush does not affect the large flush volume. However, the large flush can be interrupted by releasing the flush button or lever when the toilet bowl is clean.

No need for maintenance - ecoBETA® does not leak!

For every flush the ecoBETA® valve moves up and down on the shaft and is therefore resistant to deposit of scale, etc. The only need for maintenance is, when the gasket requires replacement every 6-8 years - a 1 minute operation.



Less water
↑↓
More water

The small flush volume is easily adjustable to the amount of water required.

MEET - MIDDLE EAST ENVIRONMENTAL TECHNOLOGIES

"In the 5 years we have been installing the ecoBETA® dual-flush we have not encountered a single problem with this high efficiency water-saving device."

ENERGYLOGIC, IMPARTIAL EN

"Based on our experi installations in Swed delivered water-savin to the newly installed which only delivered

Environmentally smart with very short payback time

Substantial water-savings and rapid ROI

By specifying the ecoBETA® dual flush, our customers gain measurable environmental benefits, water savings of up to 50% per flush and overall cost savings with no discomfort whatsoever for the user. The added benefits of user-friendliness, no need for costly maintenance or risk of continuously running water as well as a very short-term payback time make ecoBETA® valves an obvious choice.

Our customers share the commitment to efficiently save water

ecoBETA® works closely with national authorities, water companies and property owners, and our products are widely specified for use in households, commercial offices and institutions, saving millions of litres of water every day.

Our international clients include:



The savings are multiplied

The amount of water saved is associated with reductions in the need for pumping, transport and purification of wastewater, energy consumption and CO₂ emissions. In some cases, the water-savings can even minimize the need to look for new water supplies!

ENERGY CONSULTANTS IN SWEDEN

...ence from ecoBETA®
...ish hotels, ecoBETA®
...gs of 42% compared
...dual-flush toilets,
...18%."

EXTRACT OF RESULTS FROM THE PRESTON WATER EFFICIENCY INITIATIVE

"ecoBETA® was the most successful retrofit product and provided the best value for money water savings."



Danish design

After many years abroad, interior designer and entrepreneur Lisbeth Sylvestre decided to return home to Denmark and focus her efforts on developing sustainable solutions for water conservation.



Lisbeth Sylvestre saw an opportunity for improving the modern concept of the dual-flush button set-up, which she found confusing and wasteful, as the user was always faced with the question “which flush do I use?”

Therefore, Lisbeth Sylvestre set out to convert the single flush toilet into a dual-flush unit and thereby save water and investments in a new low-flush toilet.

The first prototype

The first prototype was designed by Nils Karstensen, a mechanical aircraft engineer with an excellent eye for detail. He later became co-owner of ecoBETA.

The result was a simple and practical dual-flush solution with only 1 button made up of only few parts. Implementation had an immediate water-saving effect. The valve was also easy to operate and minimized the risk of continuously running water and thereby the need for maintenance – a typical problem associated with the dual-flush toilets with 2 buttons.

1999	2006	2006	20
<p>Established ecoBETA® Patent application for the world's first single button dual flush valve Product launch in Denmark.</p>	<p>In the UK, the ecoBETA® Siphon was granted full WRAS (Water Regulations Advisory Scheme) approval after rigorous testing.</p> 	<p>A large trial (The Chelmsford ecoBETA® trial) was set up with Essex & Suffolk Water (1 of the 23 UK water companies).</p>	<p>Awarded the prestigious Waterwise Marque i</p> 

Founding of ecoBETA®

ecoBETA® was established in 1999 in the north of Denmark and launched the world's first single button dual-flush. In 2010, the product line was extended to include complete single button dual-flush valves for both single flush and dual-flush toilets.

Awards and recognitions

ecoBETA® valves and retrofits have won several international prizes for their water-saving potential, design, operation and quality. Research confirms that the ecoBETA® dual-flush device shows the most consistent statistic results and provides the best value for money water-savings ranging from 14 to over 50% (as confirmed by OFWAT, the water regulator in England and Wales).

Success in the United Kingdom

In recognition of the water-saving effect, DEFRA (Department for Environment, Food & Rural Affairs) is currently funding free project-related fittings of ecoBETA® dual-flush valves and retrofits in households, schools and public buildings in the UK.

Since 2010, the ecoBETA® siphon has also been included in the Water Technology List (WTL), which is central to a scheme enabling businesses to claim 100% Enhanced First-Year Capital

Allowances (ECA) on investments in products that encourage sustainable water use. Therefore, businesses are able to write off the whole cost of their investment against their taxable profits during the relevant period.

As a result of these initiatives, ecoBETA® valves and retrofits are spreading rapidly in the UK.

ecoBETA® today

Today, ecoBETA® is represented in 18 countries and can supply patented dual-flush solutions for just about every type of cistern commonly found around the world as well as a complete portfolio of high-performance showerheads and flow reducers for taps.

2007	2010	2011	2012
<p>significant in the UK</p> 	<p>In the UK, the ecoBETA® Siphon was included in the Water Technology List (WTL) managed by DEFRA and HM Revenues and Customs.</p> 	<p>In the UK, ecoBETA® valves and retrofits were granted the Waterwise Recommended Checkmark.</p> 	<p>ecoBETA® was acknowledged as Climate Partner in Aarhus, the 2nd largest city in Denmark.</p>

At the forefront saving water

Join us in saving millions of litres of water every day

Our aim is to SAVE WATER - offering simple water and cost saving solutions, which result in sustainable and commercial advantages for our customers.

With demonstrated water-savings of up to 50% per flush and outstanding customer satisfaction, our patented dual-flush solutions significantly contribute to reducing water consumption.

Complete portfolio of simple water-saving solutions

As the ecoBETA® toilet valves and retrofits have grown in popularity, encouraging feedback and close collaboration with our customers have led us to expand our product-line to include a full range of dedicated water-saving devices such as high-performance showerheads and flow reducers for taps for use in all consumer applications.

Our extensive in-house expertise is also available in an advisory capacity for both large-scale domestic and commercial clients.



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Please contact us for a calculation of your potential to save water and money:

ecoBETA®



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