

Saving the planet's plumbing,  
maximising water value.



Retrofit installation suspended under the house

Fresh water is one of the world's most precious and increasingly scarce resources.

Not only is this fresh water drawn from dwindling natural resources, it is also collected, treated and delivered at an increasing expense to the end user.

It makes sense then to use the same water that we discard at the kitchen, sink, bath, and washing machine to substitute the fresh water that would otherwise be wasted in transporting waste in the pipes.

In developing Drainwave™ Ducane Australia considered the interests of the consumer, sewer infrastructure owners, operators and broader interests of Governments around the world to limit the impacts of climate change and saving water, while maintaining efficient water borne sewer waste systems.

Ducane took the view that consumers would support such a product if it could be integrated into the pipe system at minimal cost or if it could be easily retrofitted.

Protected internationally under International Patent Application PCT/AU2007/001838 + registered designs.



Stop the block

**Australia  
New Zealand  
Papua New Guinea**

LWE Gemmell (LWG)  
A subsidiary of the Hills Group  
[www.lwgemmell.com.au](http://www.lwgemmell.com.au)



**United Kingdom  
Ireland**

[www.drainwavesystem.co.uk](http://www.drainwavesystem.co.uk)

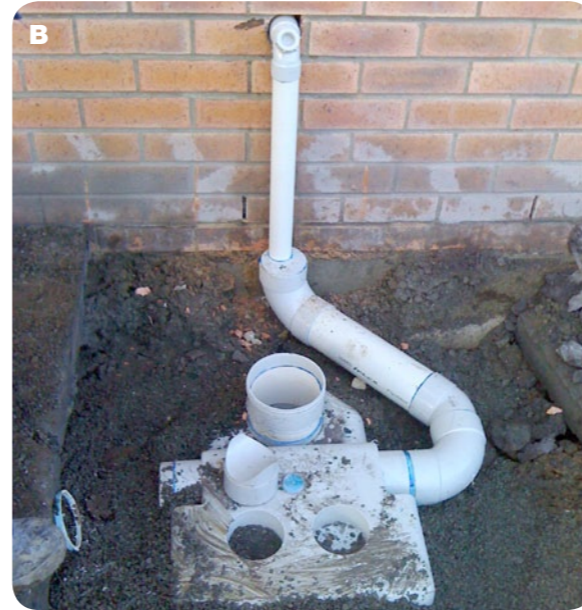


**KONSERVE**  
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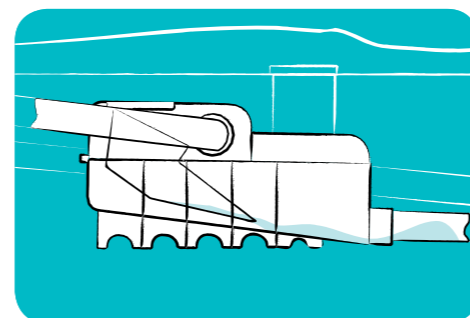
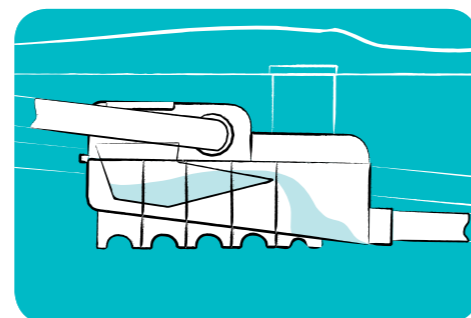
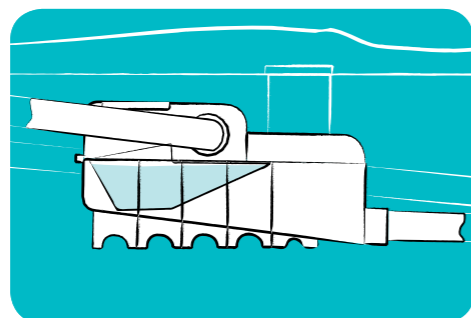
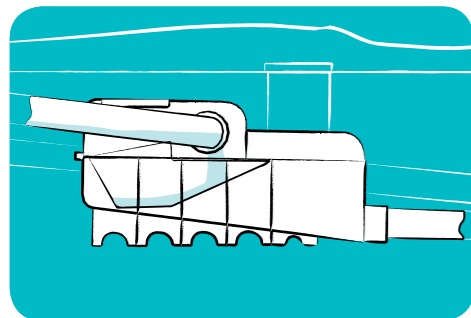


[www.drainwave.com](http://www.drainwave.com)

# Stop the block



**A.** Slab on ground with a typical in ground Drainwave installation. **B.** In ground installation using Kitchen greywater as wash down. **C.** In ground installation in a manhole which collects water from the roof and patio before releasing to the main sewer. **D.** Retrofit installation suspended under the house



Drainwave temporarily retains this water, and when a certain amount is collected, a tipping bucket inside Drainwave tips by gravity, and sends a pulse wave through the drainage pipes.

Drainwave™ collects black and grey water (eg. sink, shower, washing machine) via one or both of its two inlet ports.

Waste water leaves the Drainwave™ (see diagram opposite page) and surges through the pipe network to the main sewer line to stop blockages.

Drainwave overcomes the problem of dry drains and increased blockages – being caused by the popularity and in many cases mandation of low-flush and low-flow water-saving fixtures.

These fixtures are great for the environment, but a huge strain on the drainage system, as not enough water flows through the system anymore.

**Drainwave is easy to install (can be retrofitted), does not require any external power and consists of only one moving part.**



The revolutionary 'wave in a box'.

**Drainwave™ enables all private and public sector industries pursuing water efficiency, the ability to move to the next generation of water saving products – the worldwide future.**