

## Tipping Bucket Tank Flushing

Automatic Flushing/Cleaning of Storm Water Holding Tanks

### Key features & benefits

- Effective and reliable cleaning of storm water holding tanks
- Flexible design suits different holding tank sizes
- Manufactured from Stainless Steel

### How we create value

- Maintenance free operation with a long service life
- Low energy requirement reduces running costs
- Quiet and efficient operation



# Tipping Bucket Tank Flushing

These automatic flushing systems remove the need for the manual or mechanical cleaning of storm water holding tanks, thereby removing any associated health and safety dangers.

## How it works

Ground water, treated effluent or potable water is pumped into the tipping buckets. When filled, the bucket tips automatically, causing the water to cascade down the contoured back wall of the storm water holding tank.

This produces a standing wave, which flushes the accumulated sediment to the disposal point to be transferred to treatment.

Automatic controls determine the frequency of operation: the tank can be sluiced with several flushing cycles, achieving complete tank cleaning. Tipping buckets are manufactured from stainless steel, providing a long, maintenance free life.



**Applications:**

Tipping buckets can be installed in virtually any size of rectangular storm water holding tank, and can be designed to meet specific site conditions. Typical mounting configurations are:

- Between the tank side walls
- Ceiling mounted
- End wall mounted
- Coping mounted

These flushing systems are designed for rectangular tanks as standard. Several tipping buckets will be arranged in parallel for wide tanks, and in series for extremely long tanks. Tipping buckets can also be located at the opposite sides or ends of the tanks, so that they flush and clean the sediment into a central sump.

We supply a complete engineering design and installation service for the tank flushing systems, including water supply, pumping and controls.



A storm water holding tank, housing 3 tipping buckets. The tipping bucket method of storm tank cleaning has been proven in practice over many years. This basic method of flushing solids combines simplicity with low energy usage. Tipping buckets are adaptable for use with new and existing storm tanks, making them the ideal choice for any application.



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