

# Tipping Buckets

Response Group

Equipment  
Data Sheet #: 15



Half Bridge  
Scrapers

Picket Fence  
Thickeners  
(PFT)

Grit Traps

## Recent Installations

- Sallins PS
- Coldwinters PS
- Tyrrells Pass WWTP

**Response Group** manufactures Tipping Buckets suitable for a range of applications in the treatment of municipal wastewater and industrial effluent. The Tipping Bucket system provides an economic and efficient flushing system for stormwater, primary and secondary settlement tanks. The system can also be adapted to flush large diameter sewers designed to provide storage capacity.

The Tipping Bucket is designed to fill with treated effluent on receipt of a signal from the control centre that the retention tank has emptied. The bucket or trough is designed as a finely balanced unit which as it reaches its capacity shifts from its centre of gravity and automatically tips its contents. The trough is supported on two specially designed bearings. The Tipping Bucket discharges down a profiled back wall which is bottom radiused to smoothly flush the tank floor to a collecting sump. No movable parts are in contact with the tank contents. On completion of the flushing sequence the Tipping Bucket returns automatically to its original position and is poised for the next flushing operation. The geometry of the Tipping Bucket is designed to generate minimal noise and additional sound attenuation is not normally required.



## Key Features

- Stainless Steel Construction
- Stainless Steel Supports
- Mechanically Robust
- Low Maintenance
- Trough Length up to 8m
- Flush Volume 200 to 2000l/m
- Flush Lane Lengths to 100 m
- Smooth-Tip Bearings
- Low Noise Tipping

Dissolved Air  
Flotation (DAF)  
Units

Surface Rotors  
/ Aerators

## Optional Features

- Multiple In-line Units
- Alternative Materials
- Remote Motion Monitoring
- Alternative Support Methods

Rotating Bar  
Interceptors  
(RBI)

Tipping  
Buckets

Dissolved  
Aerations

Penstocks /  
Stoplogs

Packaged  
Pump Stations

Further information on our full range of products can be obtained at our website [www.response-group.ie](http://www.response-group.ie)