



frog
environmental
silt control, water quality &
bubble curtain specialists

product information sheet

Pipe Reactor

Pipe Reactor forms part of a silt control system designed to clean up clay impacted waters



The Pipe Reactor is designed to optimise flocculant mixing so that when water is passed through the barrel and a mixing-zone, fine silts and clays bind together. Smaller particles then become easier to trap through settlement or in a Silt Capture Channel.

Applications

- Treats stubborn silty water from construction ponds, lagoons and waterbodies
- Enlarges silt particles, making them heavier and easier to settle or capture
- Operates as pumped system or under gravity delivering zero carbon water treatment
- Easily transported and re-deployed at different locations on site



Pipe Reactor discharging to Silt Capture Channel



Pipe Reactor operating under gravity, providing zero carbon water treatment

The Pipe Reactor forms part of a water treatment system designed for the construction industry. It is easy to use, environmentally safe and highly versatile.

Function: Treatment of silty or clay laden water from lagoons, swales, ponds and attenuation features

Dimensions: 2200mm (L), 250mm Barrel, 4" Bauer Connections

Flow rate: Max flow 2000 litres/minute. Note that a typical Silt Capture Channel has a max flow rate of 900 litres/minute. Optimal flow rate is site specific, effective treatment may require lower flow rates.

Material use: 100% recyclable materials. HDPE barrel, steel fittings

Limitations: Operates most effectively up to 2000 mg/l TSS. Not designed for sludge treatment

Used in combination with: Gel Flocculant, Silt Capture Channels

Always liaise with the regulator before deploying a product containing flocculant. If in doubt contact us for further information and advice.



The Pipe Reactor forms part of a scalable water treatment system designed for construction sites to protect local watercourses from silt pollution.

The system delivers forced mixing of Gel Flocculant via 4" Bauer connections and a specially designed barrel. Silt impacted attenuated water is either pumped or drained through the Pipe Reactor prior to being discharged through a Silt Capture Channel.

The asset is highly portable and requires minimal maintenance.

Every construction site is bound by different constraints. frog environmental advocate a site specific approach in order to deliver the most environmentally sensitive and cost effective solution.

The specification of Pipe Reactors and Silt Capture Channels is typically supported by our technical team, either on site or remotely.

Pipe Reactors contain Gel Flocculant. Deployment of a flocculant on site without regulatory approval is not recommended under any circumstances.

**for technical support and sales of
Pipe Reactor contact frog environmental**

0345 057 4040

info@frogenvironmental.co.uk

www.frogenvironmental.co.uk