



## What makes OxyFlow different?

OxyFlow introduces high levels of slow-release dissolved oxygen and activates positive digestive microbial activity in the pipeline dismantling the structure of sludge and weakening calcification and organic deposits. Consequently, OxyFlow maintains a clean system by continually flushing the pipeline.

Additionally, OxyFlows Eco-friendly ingredients provide a high value of oxygen availability and increased positive microbial activity in the water boosting the waters health properties and continue to have positive effects on the destined environment.

## OxyFlow cleans and flushes pipelines and unblocks nozzles and filters in an eco-friendly manner

### From the Laboratory

When OxyFlow is injected into the water pipeline the catalase-like emission of slow-releasing oxygen gas is observed. The reaction is favoured at neutral pH levels and activity is increased in areas of increased organic material. A measured amount of oxygen is produced enzymatically and not by chemical disproportionation of superoxide. A clear correlation also exists between catalase activity and the enzymes' resistance. The production and activation of critical metabolic enzymes are observed however

the mechanisms are not yet fully understood.

The composition includes extracts from a variety of naturally occurring plants. The process of extraction is mechanical with the use of low heating. No genetically modified organisms. Zucconi Germination Index 100% @ 1:24 H<sub>2</sub>O dilution; Inhibitor materials <2.00 equitox/m<sup>3</sup> Bioluminescence inhib./C5110184 (non-detectable) @ 1:24 H<sub>2</sub>O dilution.

## Apply OxyFlow for:

Increased dissolved oxygen availability and positive microbial activity in water pipelines.

Reduction in bio-fouling; scale deposits, algae, organic buildup, Iron oxide deposits.

Flushing of piping systems clogged with organics, algae and calcification.

Cleaning sand filters, membranes, grit filters, nozzles etc.

Agricultural, horticultural and hydroponic pipeline maintenance.

Pipe flushing for reticulation and irrigation systems, cooling tower piping systems, most water-based piping systems etc.

## Application instruction:

Apply to mainline auto dosing injector connected to your piping system 1 L OxyFlow to between 800m<sup>3</sup> water (1.25 ppm) and 40m<sup>3</sup> of water (25 ppm) depending on your requirements. Typically starting with a High program and maintaining with the Maintenance program.

**For agricultural, horticultural and hydroponic pipelines:** Start with the Maintenance program and evaluate then decide your preferred dosage program never exceeding 12.5 ppm.

**System Flush:** flush for piping systems: apply 1 Liter OxyFlow for every 100 litres of water (1:100) in the pipeline. Run treatment within the full length of the pipeline. Leave treated water in the pipeline for 24 hours before flushing.

\*Pipe volume =  $\pi \times \text{radius}^2 \times \text{length}$ , where radius = inner diameter/2. The volume of a pipe is equal to the volume of a liquid inside (if a pipe is fully filled with it).

OxyFlow Auto-Dosing Program	Low	Maintenance	Medium	High	Strong	System Flush
PPM	1.25	2.5	5	10	25	10 000
1 Litre OxyFlow/m <sup>3</sup>	800	400	200	100	40	0.1 (1%)



OxyFlow completely flushed our golf course irrigation lines from organic sludge buildup and calcification with only positive effects to the turf and most importantly OxyFlow saved us a tremendous amount of money on irrigation maintenance and repair costs

### Clovelly Country Club

Steven Webber | Golf Course Super Intendant & Vice President of the South African Turf Grass Association.



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Approved for use in organic systems in accordance with EC regulation 834/2007 and 889/2008 by Kiwa Sativa and Organic Farmers & Growers.