

Low Energy Dissolved Oxygen (DO<sub>2</sub>) Head

# DO2-F1 Micro Bubble Injector = Smarter Water Management

**ENVIRO**  
australis

## What Is the DO2-F1?

The DO2 F-1 is a new Australia designed device that reduces biological oxygen demand using micro bubble science to increase dissolved oxygen. The low energy, low maintenance DO2 F-1 is built for Australian conditions.

## Why Use the DO2-F1?

Can be quickly and easily installed as self-floating or secured to a tank or pontoon. Naturally aspirated, with internal pump powered by 240 v or solar, injects micro bubbles up to 3 metres below the surface and controls direction of water movement.

## Bubbles vs Micro Bubbles

A typical bubble created from aeration devices are large (Fig 1.), float quickly to the surface, join, expand and burst. Fine bubbles and micro bubbles that are much smaller can be absorbed up to 10,000 times more efficiently by the water quickly increasing the DO<sub>2</sub>.

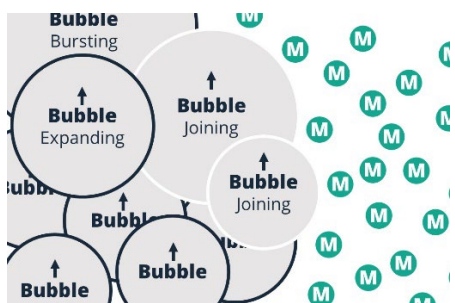


Fig 1.

## DO2-F1 Applications

### AQUACULTURE

Grow more biomass per m<sup>2</sup>.

### FOOD & BEV PROCESSING

Reduce BOD that causes foul odours allows Class B water re-use.

### LAKES & WATERWAYS

Manage BOD, nutrient and algae, protect aquatic life and oceans.

## DO2-F1 Specifications

**Power source:** Single Phase or Solar

**Size:** 1800mm x 400mm x 300mm

**Pump:** 500 Watt (3 amps)

**Secured:** Guide ropes

**Aspiration:** Natural

**Outlets:** 1 or 2

**Type:** Floating

**Weight:** 15kg



## Enviro Australis

The Enviro Australis water quality improvement technologies are Australian designed, engineered and built to meet the needs of property owners, food and beverage wastewater managers and aquaculture farmers.

## Contact Us

For DO2 design, technical information & enquires contact Enviro Australis.

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# Micro Bubbles & Dissolved Oxygen How Enviro DO2 Technology Works

