



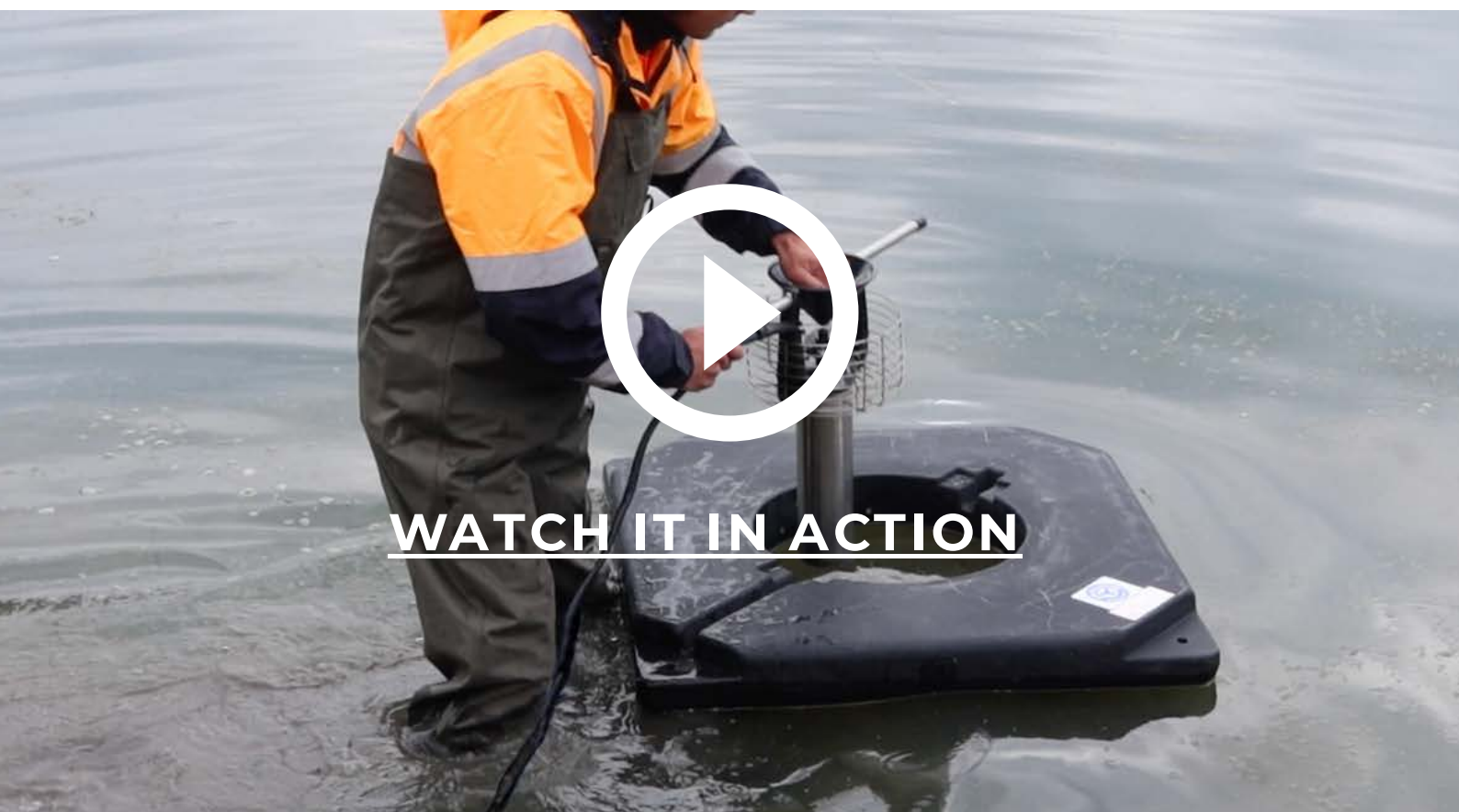
# AIR-O-LATOR PROFESSIONAL

AERATION KITS

**Air-O-Lator's Professional Aerator** is a small, compact surface aerator that packs a punch—pumping up to 3,600 litres of water per minute.

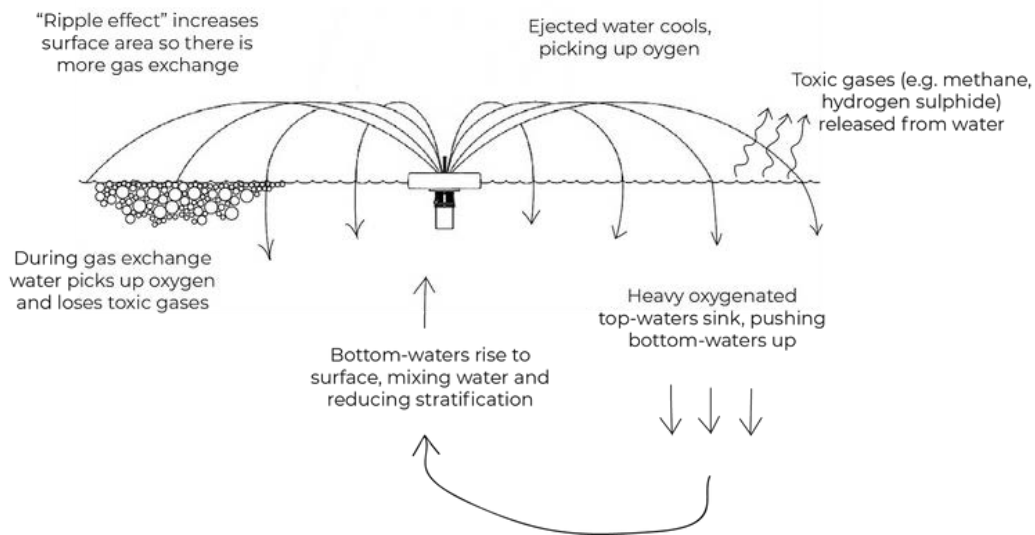
## HIGHLIGHTS

- Aerates up to one surface acre of dam water
- Transfers up to 1.4kg O<sub>2</sub> per hour
- Pumps up to 3,600LPM
- Operates from 0.5m to 5m deep
- Low spray-drift nozzle design to reduce airborne water



# HIGH-PERFORMANCE AERATION FOR SMALL TO MID-SIZED DAMS.

Driven by a powerful motor, Air-O-Lator's Professional is a high velocity surface aerator that mixes your dam water as well as aerating it, while keeping spray-drift to a minimum.



# SPECS

**Air-O-Lator** is a USA manufacturer based in Kansas City operating for over 60 years. The company is renowned for its team of engineers who build high-quality aquatic products that are simple to use and easy to maintain.

## MAINS POWER

MOTOR	AERATES <sup>†</sup>	LPM	O <sub>2</sub> KG/HR	VOLTS	HZ	MIN. DEPTH	SPRAY HEIGHT	SPRAY DIAM.
1hp	½ acre	1,800	1	230/400	50	0.6M	0.2M	0.9M
2hp	1 acre	3,600	1.4	230/400	50	0.9M	0.3M	1.1M

## SOLAR

**Dam size in surface acres**

MOTOR	AERATES <sup>†</sup>	LPM <sup>‡</sup>	O <sub>2</sub> KG/HR <sup>‡</sup>	MIN. DEPTH	SPRAY HEIGHT*	SPRAY DIAM.*	NO. SOLAR PANELS
1hp	⅓ acre	1,800	1	0.6M	0.2M	0.9M	2 X 270-300W
1.5hp	⅔ acre	3,600	1.4	1.5M	0.3M	1.1M	4 X 270-300W

<sup>†</sup> Based on ideal dam shape and water conditions, results may differ

\* Approximations based on conversions from US 60Hz equipment

<sup>‡</sup> Based on maximum sunlight conditions—blue sky summer day

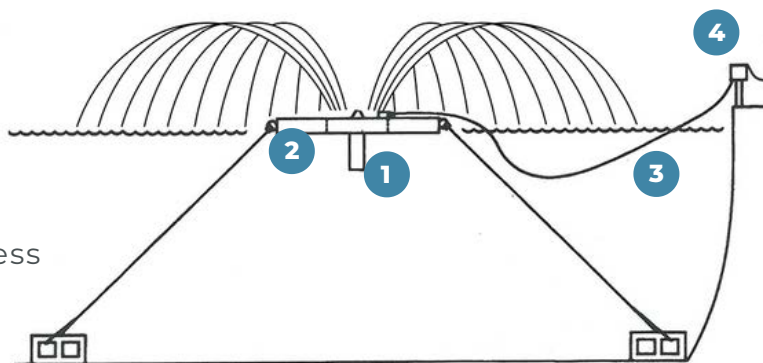


# KIT 1

## MAINS-POWERED

1hp / 2hp

- 1 1-phase / 3-phase 316 grade stainless steel motor with Ryton propeller
- 2 36 inch square float
- 3 40m cable (custom lengths available)
- 4 Lockable control box with under/over voltage & current protection and surge & overload protection, plus timer and automatic/manual selector switch





## KIT 2

### SOLAR

1hp / 1.5hp

- 1 304 grade stainless steel motor (1hp = brushless-DC motor, 1.5hp = solar-230V-mains hybrid motor) with Ryton propeller
- 2 36 inch float
- 3 30m cable for 1hp / 40m cable for 1.5hp (custom lengths available)
- 4 Solar controller complete with MPPT to maximise output in cloudy conditions (1hp unit shown in image below)
- 5 **OPTIONAL:** Solar panels and mount stands

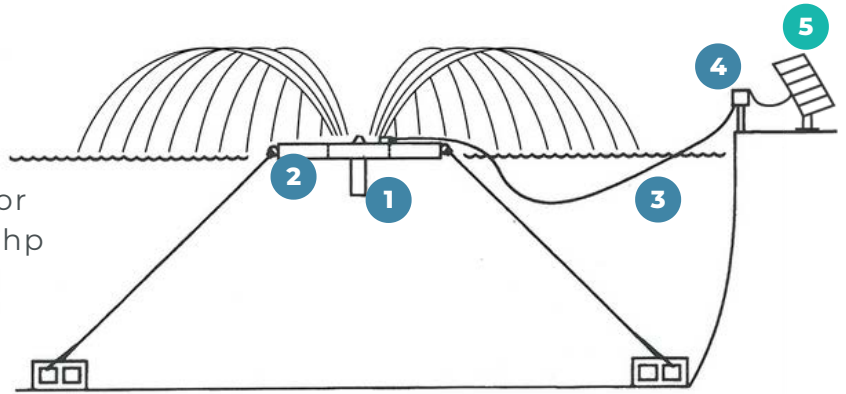
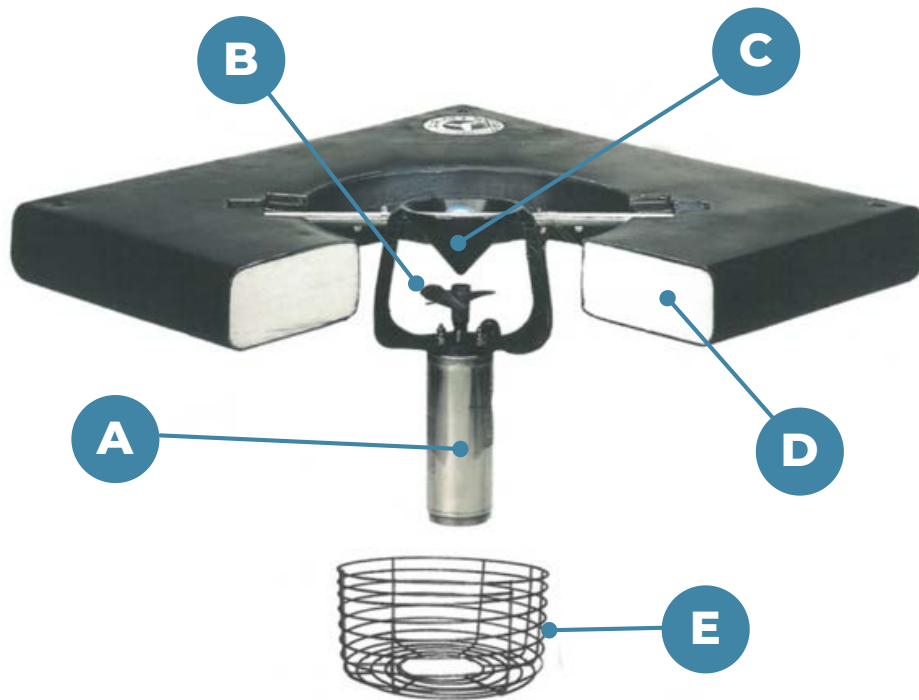


Image shows 1hp solar controller



## A MOTOR

- Submersible motor
- Stainless steel construction
- Water-cooled and lubricated
- Oil-free, non-lube
- Auto thermal-overload protection

## C DIFFUSER

- Engineered to reduce spray-drift / airborne water
- Suitable for salt water or fresh water use

## E GUARD

- Guard to protect propeller
- Stainless steel construction

## B PROPELLER

- Two-blade, foul-resistant design
- High speed, high torque
- Made of Ryton—a semi-crystalline polymer that offers high-heat resistance and exceptional stability)
- Hydraulically balanced for smooth operation

## D FLOAT

- 36" styrene foam filled and square shape for exceptional buoyancy
- Wear-resistant polyethylene exterior
- 4" thick for long-lasting durability

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