

# AIR-O-LATOR COMMERCIAL

AERATION KITS

**Air-O-Lator's Commercial Aerator** is ideal for treating water containing a lot of organic muck, e.g. wastewater, irrigation dams.

## HIGHLIGHTS

- Designed to mix as well as aerate water—keeps solids suspended for faster breakdown
- Single unit pumps up to 8,700LPM—transfers up to 4.2kg O<sub>2</sub>/hr
- Easily combine units for greater aeration
- Specially-engineered diffuser to minimise spray-drift



**WATCH IT IN ACTION**

## PURPOSE-BUILT FOR TOUGH WASTEWATER LAGOONS.

Air-O-Lator's Commercial Aerator was originally designed as a cost-saving alternative to bulky, power-hungry aerators typically relied upon in wastewater treatment. The small, energy-efficient units are light enough to pick up by hand and easy to spread around your lagoon, allowing you to treat your water from many zones.

### CUSTOMER STORY:

#### **REDUCING AMMONIA IN WASTEWATER USING AERATION**

[Click to watch](#) how we helped a Melbourne wastewater plant having a problem with too much ammonia. We installed a fleet of Air-O-Lator Commercial aerators to treat the water to BPA-standards so the plant could finally discharge their water.



## 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.*
2hp	1 acre	4,730	1.4	230/400	50	0.9M	0.25M	1M
3hp	1.5 acre	5,490	2.7	230/400	50	0.9M	0.25M	1.1M
5hp	2.5 acres	8,710	4.2	230/400	50	1.5M	0.25M	1.2M

### SOLAR

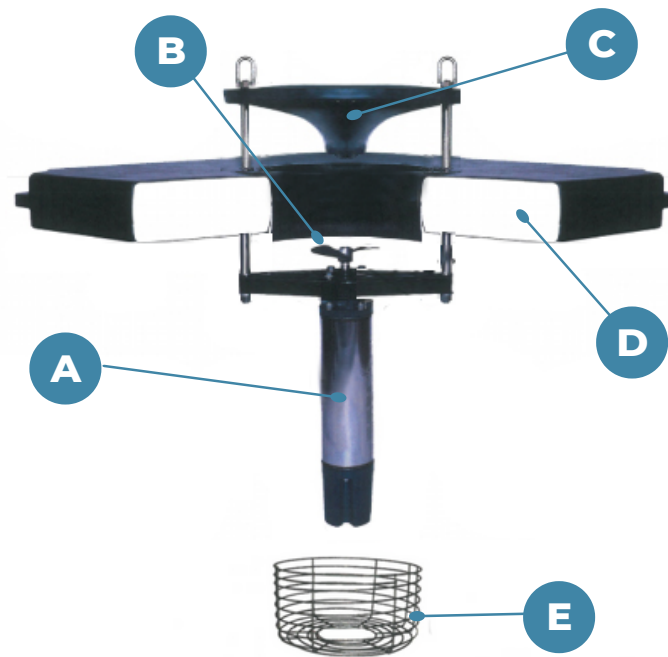
Lagoon size in surface acres

MOTOR	AERATES <sup>†</sup>	LPM <sup>‡</sup>	O <sub>2</sub> KG/HR <sup>‡</sup>	MIN. DEPTH	SPRAY HEIGHT*	SPRAY DIAM.*	NO. SOLAR PANELS
3hp	1 acre	5,490	2.7	1.5M	0.25M	1.1M	8 X 270-300W

<sup>†</sup> Based on ideal lagoon 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



## A MOTOR

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

## C DIFFUSER

Specially-designed to provide minimal flow-resistance while diverting the liquid from a vertical to horizontal plane—optimising the dispersion of the aerated liquid into the lagoon while minimising spray-drift

Minimises airborne water while maximising mixing and aeration

## B PROPELLER

- Two-blade, foul-resistant design
- High speed, high torque
- Made of stainless steel or 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

## E GUARD

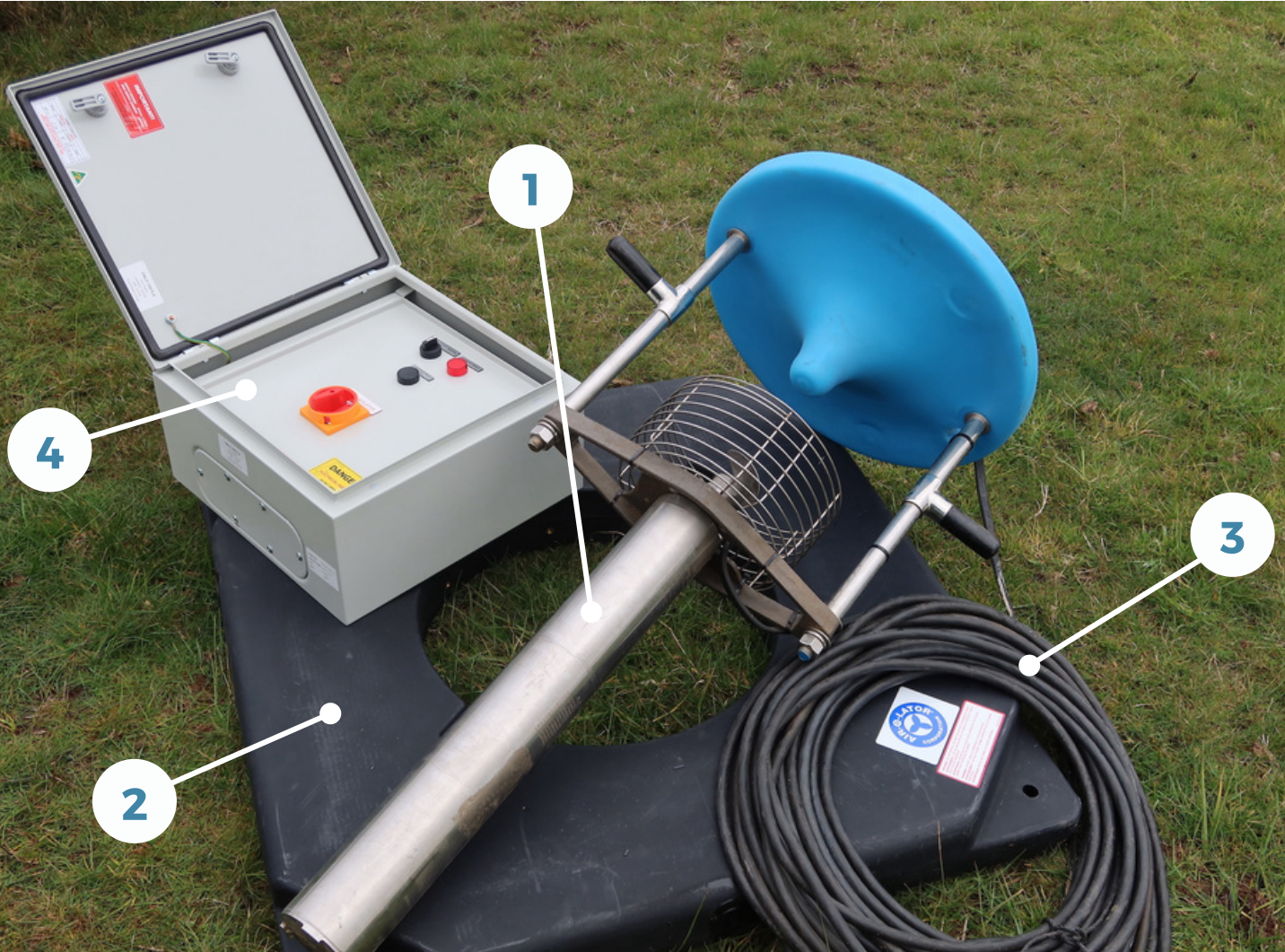
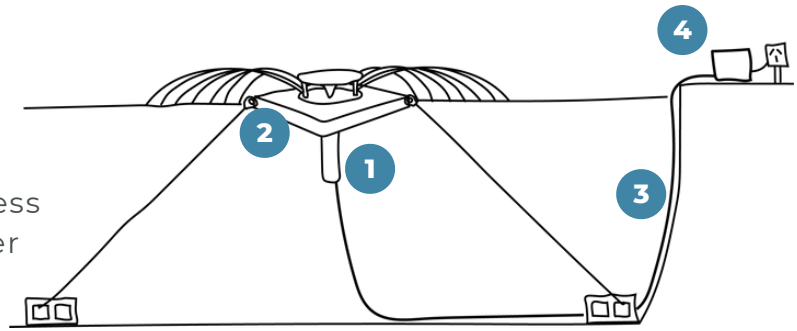
- Guard to protect propeller
- Stainless steel construction

# KIT 1

## MAINS-POWERED

2hp / 3hp / 5hp

- 1** 1-phase / 3-phase 316 grade stainless steel motor with ss/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

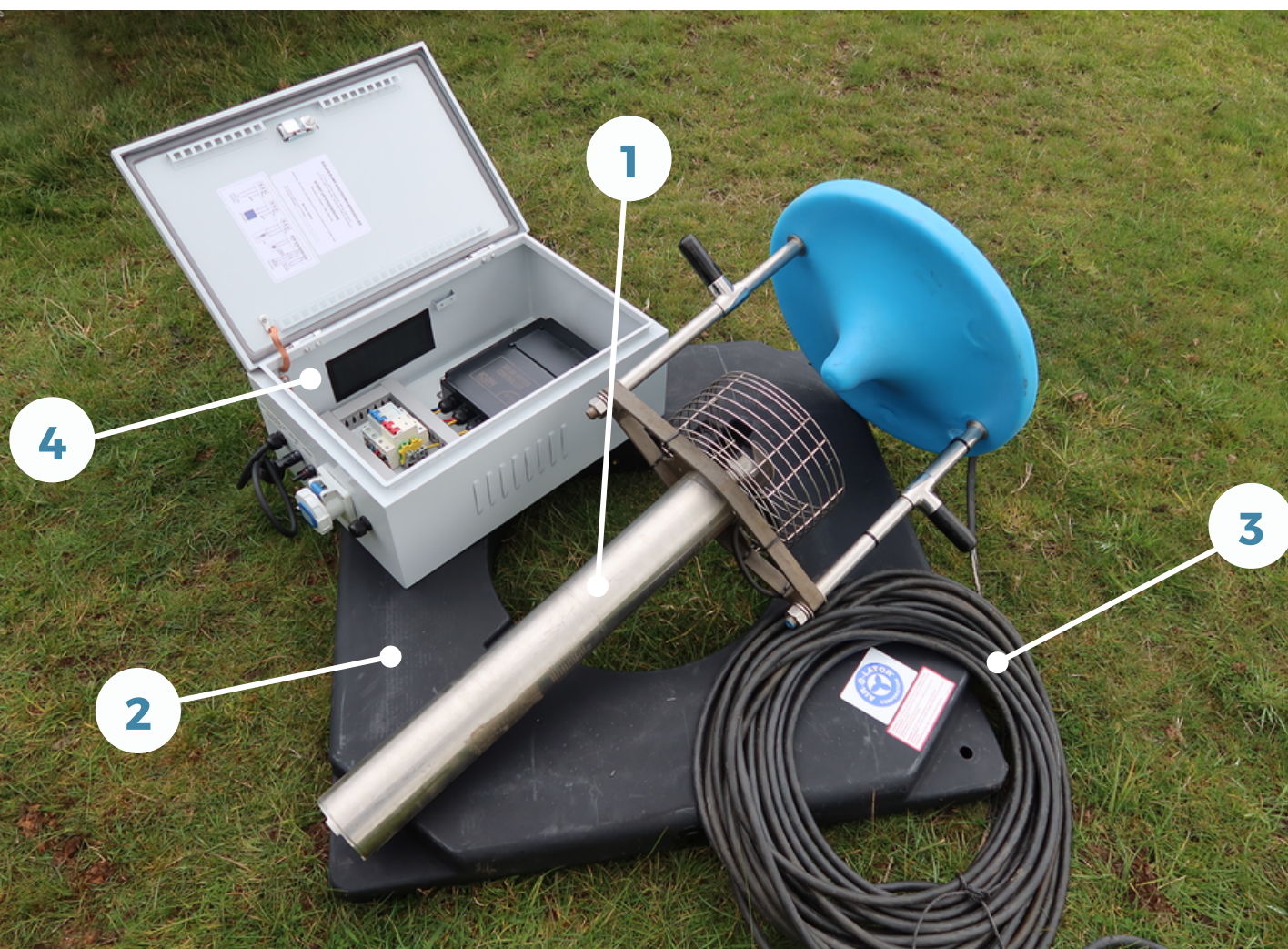
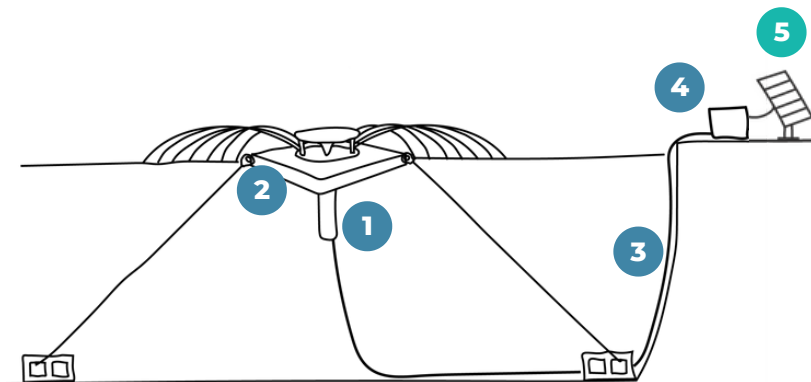


## KIT 2

### SOLAR

3hp

- 1** 304 grade stainless steel solar-230V-mains hybrid motor and propeller
- 2** 36 inch float
- 3** 40m cable (custom lengths available)
- 4** Solar controller complete with MPPT to maximise output in cloudy conditions
- 5** **OPTIONAL:** Solar panels and mount stands



# WANT PRICES?

**[CLICK HERE TO GET PRICES](#)**