

SolarAir® Diffused Aeration System



**Specialist manufacturers and installers
high-quality water aeration systems
and water fountains.**

SolarAir®



The SolarAir Solar Powered Diffused Aeration System. The most advanced solar aeration system on the global market, designed and manufactured in the UK to provide 24 hour aeration.

The SolarAir, state-of-the-art solar powered diffused aeration systems.

The SolarAir, developed by Heathland Group Limited, is an innovative solar-powered diffused aeration system designed to provide efficient and sustainable oxygenation for water bodies. This groundbreaking technology harnesses the power of the sun to drive the aeration process, making it an environmentally friendly solution for maintaining the health and balance of aquatic ecosystems.

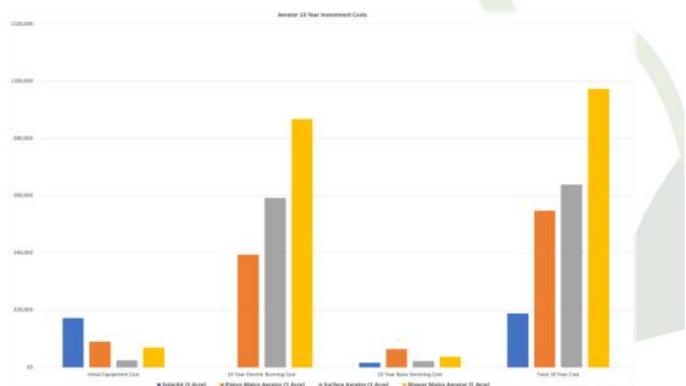
The basic system is designed to run anything from a single diffuser up to a total of 8 diffusers with air volumes over 10,000 litres per hour.

The system employs high-quality diffusers strategically placed to facilitate the circulation of oxygen. These diffusers create a fine stream of bubbles, which rise from the bottom and deliver a constant supply of oxygen to the water increasing the dissolved oxygen (DO) levels and reducing the effects of thermal stratification.

All Heathland Group products are available for "supply only" or "supply and installation" globally.

Heathland Group is proud to have an extensive client base ranging from aquatic management service providers, schools and universities, local councils, hotels and holiday parks, golf clubs, fisheries, wastewater and water industries and of course many homeowners all over the world.

This graph shows the cost savings over a 10-year period when compared to popular mains-operated systems.



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Features and Benefits

- Full system protection
- Lightning strike protection
- Full galvanised solar panel ground mounting frame
- Modern technology monocrystalline solar panels
- Latest AGM super cycle battery technology
- Advanced battery monitoring system with full monitoring ability
- Battery low-level shutoff system
- The compressor includes thermal overload motor protection
- Heavy-duty cooling fans as standard in the compressor enclosure
- Ultra-low back pressure check valve
- Diffuser membranes have a non-stick coating
- Bluetooth control and monitoring as standard
- Optional - 2G, 3G and 4G remote network connection
- Optional - generator backup with remote start
- Stainless, lockable enclosure
- 24 hour aeration timer
- Optional - additional battery banks if required
- All diffusers are supplied with stainless base and check valves

Benefits of Solar Aeration

- Environmentally friendly, self contained power source
- Entire water column circulation
- Stabilisation of thermal stratification
- Increased dissolved oxygen levels
- Eliminates oxygen-related fish deaths
- Reduces mosquito and midge infestations
- Reduces risks of the likelihood of algae bloom
- Diminishes foul odours from gases
- Reduces build-up of organic sediment
- Improves and preserves a healthy aquatic ecosystem

Installation

Heathland Group offer a full installation service for all of our aeration equipment to all of our clients, this can include the following options:

- Full cabling
- Trenching
- Control panel installation
- Control panel set up
- Aerator installation
- Diffuser placement
- Solar panel installation

Warranty Information

- 10 - year system warranty
- 15 - year warranty on weighted hose
- Up to 6 - year warranty on pumps

Model Specifications

Aeration System	Diffuser Quantity	Solar System Voltage	AirFlow M3/h	Battery Backup Running Time	Solar Panels	Battery Banks
SolarAir 2	2	24v DC	3.6	48 Hours +	4	1no. 24v / 170Ah
SolarAir 3	3	24v DC	4.8	38 Hours +	4	1no. 24v / 170Ah
SolarAir 5	5	24v DC	7.2	56 Hours +	6	2no. 24v / 170Ah
SolarAir 6	6	24v DC	8.4	40 Hours +	6	2no. 24v / 170Ah
SolarAir 8	8	24v DC	9.6	40 Hours +	6	2no. 24v / 170Ah

Approx. Sizing Chart

Water Depth	SolarAir 2	SolarAir 3	SolarAir 5	SolarAir 6	SolarAir 8
1.0 - 2.5m	0.5 - 1.5 Acres	1.5 - 2.0 Acres	2.0 - 6.0 Acres	3.0 - 8.0 Acres	4.0 - 12.0 Acres

JOIN IN WITH US



Bespoke and Custom Designs Aeration Systems

All our water fountains and aerators are available as a custom build, designed exactly for your requirements. We offer a full design, costing and build package for aerators and fountains along with specialist installation if required.

Heathland Service Centre

Everything supplied by our company is maintained and serviced in-house. Items can either be shipped directly back to our service team or if you prefer, we also supply onsite servicing.

Additional Services

We strive to provide exceptional results for every budget and requirement, backed up by our industry accreditations and connections including ISO9001:2015, the Norfolk Chamber of Commerce, The Federation of Small Businesses & SafeContractor.



Call us today on
0333 0184 103
for a chat with one
of our friendly team
about which of our
fantastic products
and services is right
for you!



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