

MK1 NANOBUBBLER™

ULTRA FINE BUBBLE GENERATOR

The **MK1 NanoBubbler™** is an innovative Ultra-Fine Bubble Generator designed for the aeration and sanitation of ground and surface water and for various other applications.

ULTRA-FINE BUBBLES

Bubbles in diameter smaller than 1 micro meter (μm) are called Nano-Bubbles or Ultra-Fine Bubbles (UFB).

Ultra-Fine Bubbles have many interesting features:

- They can stay in a liquid for a long time (up to 12 months)
- They are electrically charged
- They are extra highly pressured

These unique features allowed the development of revolutionary new solutions for water cleaning applications.

FEATURES:

- Removes bad smells
- Decomposes sludge at bottom water
- Stimulates self-purification to recover clean water environment
- Oxidation and reduction of organic compounds, thus eliminating floating blue-green algae
- Supplying oxygen to entire water column
- Reduces excess nutrients
- Improves quality of water without destroying water environment via chemicals
- Kills anaerobic microbes and parasites
- Helps the growth of aerobic microbes



Submersible pump

SPECIFICATIONS:

Material:	Stainless Steel Grade 316
Protection Degree:	IP68
Size:	950(H) x 300(W) x 200(L)
Weight:	37kg
Power Source:	380V PH3 50Hz 220V PH3 60Hz (USA)
Output:	1.350 kW 2.8 Amps
Aeration Capacity:	172 l/min venturi dependent
Quantity:	150-300 l/min venturi dependent
Average Bubble Size:	76 nm (range 10 - 300nm)
Configuration:	Submersible; Air-cooled Motor; In-line System
Concentration:	220 000 000 bubbles/ml

“With our world-wide patented technology, we are paving the way for revolutionary water treatment solutions”



BEFORE:

*Hermanus Golf Club



**AFTER 6 WEEKS
OPERATION:**

RESULTS:

- 1200% More efficient COD and BOD removal than any comparable solution
- Reduces heavy metals and pesticides
- Kills bacteria, algae & viruses
- Eliminates biofilm build-up in piping
- Faster and stronger growth of plants
- Faster and healthier growth of fish
- Natural PH correction of water
- Reduces bad smells within 5 - 7 days
- Increased yield in fish and crustaceans

BENEFITS:

- Reduced operating expenses
- No chemical agents required
- Remote-controlled monitoring
- Can be powered by solar panels
- Easy installation & maintenance
- Low energy consumption & operation cost (1.35kW/h)
- Various size dams can be treated
- 25 - 50% Annual cost savings

MAIN APPLICATIONS:

- Water purification - various
- Animal industry - drinking water enrichment
- Aeration of agricultural water for faster crop growth
- Lakes & ponds treatment (restore natural balance)
- Aeration of aquaculture ponds
- Cooling and Heating Systems - Electricity saving and descaling
- Fruit Industry - washing
- Mining - acid water treatment



WE OFFER:

- Site analysis & pollution assessment
- System installation & set-up
- Operations management & control
- Training
- Maintenance service
- Consultancy service

Contact us today to discuss your water treatment needs:

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