

Turbiti O2 Land Based Ultrafine (Nanobubble) Mixer Enhanced Aeration Technology



- Clean Tech – Chemical free cleaning solutions**
- Easy to implement in existing installations**
- Efficient gas dissolution and ultrafine bubble production**
- Uses Turbiti nanobubble production technology**
- Systems in use for poultry and livestock drinking water**
- Nanobubble production for irrigation ponds in agriculture**
- Combined in wastewater treatment systems**
- Special chemical and hydrochloric acid resistant version available**

The **Turbiti O2** is the multipurpose ultrafine bubble generator suitable for agriculture, horticulture, fish production and other uses. The **Turbiti O2** must be combined with an oxygen generator which creates 90% pure oxygen out of air.

Inside the **Turbiti O2** is a low-pressure static mixer with swirl flow technology which creates billions of nano sized bubbles by beating up the gas water mixture. The **Turbiti O2** is flexible in implementation as it can be used with a wide range of pumps.

Aerate fishponds, and fish tanks with nanobubbles (Ultrafine bubbles)

Super saturation with oxygen for water day storage tanks in horticulture

Drinking water solutions for chickens, cows, pigs, horses and other animals giving high DO water to enhance food digestion, increase daily weight gain and improve health

Aerate irrigation water in drip, lateral and spray irrigation systems to enhance root growth of crops and golf course grasses with improved root aeration delivered through irrigation systems

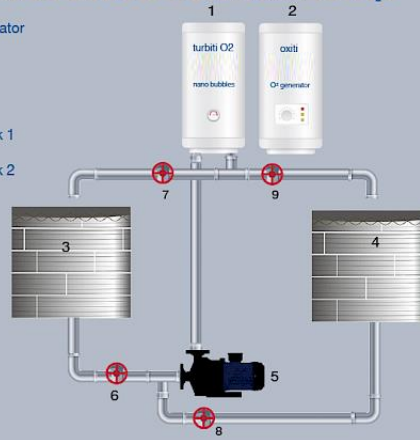
Wastewater aeration to reduce COD and BOD levels, reduce oil and grease as well as nitrogen and phosphorus to reduce algae outbreaks

Use in orchard irrigation systems to enhance growth and fruit sets, through advanced aeration of the tree roots, allowing improved growth and uptake of fertiliser

Suitable for a wide range of other applications where mixing is required by bubble action without high evaporation requirements and for injection of other gases such as nitrogen, CO₂, ozone etc

installation overview dual tank setup

1. turbiti O2 nano bubble generator
2. oxiti oxygen concentrator
3. tank 1
4. tank 2
5. pump
6. valve water supply tank 1
7. valve nano bubble water tank 1
8. valve water supply tank 2
9. valve nano bubble water tank 2



Product Data Sheet

| | | |
|--|---|------------------------|
| Model Name and Number Turbiti 737 O2 land-based nano bubble mixer specs | | |
| Minimum Flow/minute | 100 litres | 26 Gallons |
| Maximum Flow/minute | 200 litres | 53 Gallons |
| Minimum Flow/hour | 6,000 litres | 1,585 Gallons |
| Maximum Flow/hour | 12,000 litres | 3,170 Gallons |
| Strainer Availability and Size | Strainer required when particles over 1mm Contact for recommended strainer | |
| Maximum Water Temperature | 40°Celsius | 104° Fahrenheit |
| Minimum Ambient Temperature | -20° Celsius | -4° Fahrenheit |
| Maximum Ambient Temperature | 50°Celsius | 122°Fahrenheit |
| Maximum Relative Humidity | 100% | |
| Gas Flow/minute | 8 Litres | 2.1 Gallons |
| Gas Flow/hour | 480 Litres | 127 Gallons |
| Minimum Pressure | 40 kPa | 6 PSI |
| Maximum Pressure | 65 kPa | 9 PSI |
| Note: pressures are recommended for bubble generation. The product itself can withstand pressures up to 500 kPa | | |
| Gases Available | Air, Ozone, Nitrogen, Carbon Dioxide No corrosive gases | |
| Power Consumption | No pump included. Estimated power consumption 750-1000 watts. | |
| Pump Option | Grundfos CM10-1 or similar | |
| Wetted parts | nylon based resins, PVC, EPDM rubber | |
| Pressure Control | Manual. Automated systems available | |
| Inlet Connection | rigid 2" female coupling with thread | |
| Water Outlet | rigid 1" female coupling with thread | |
| Gas Inlet | 10mm standard quick fitting, 3/8 on request | |
| Dimensions WxDxH | 644 x 200 x 1040 mm | 25.4 x 7.9 x 40.9 inch |
| Weight | 26.5kg | 58.4lbs |
| Shipping Dimensions | 67 x 107 x 37 cm | 26 x 42 x 15 inch |
| Shipping Weight | 35kg | 77lbs |