acniti LLC
1-2-9 Nyoidani
Minoh Osaka
562-0011
Japan

turbiti mount

The wall mounted Turbiti is the multipurpose nanobubble generator suitable for agriculture, horticulture and fish cultivation sites. Super saturation of oxygen for water day storage tanks in horticulture. Drinking water solutions for chicken, cows, pigs and horses, giving high DO water with ultrafine bubbles to animals with enhance their food digestion more efficiently and results in healthier animals.

turbiti mount

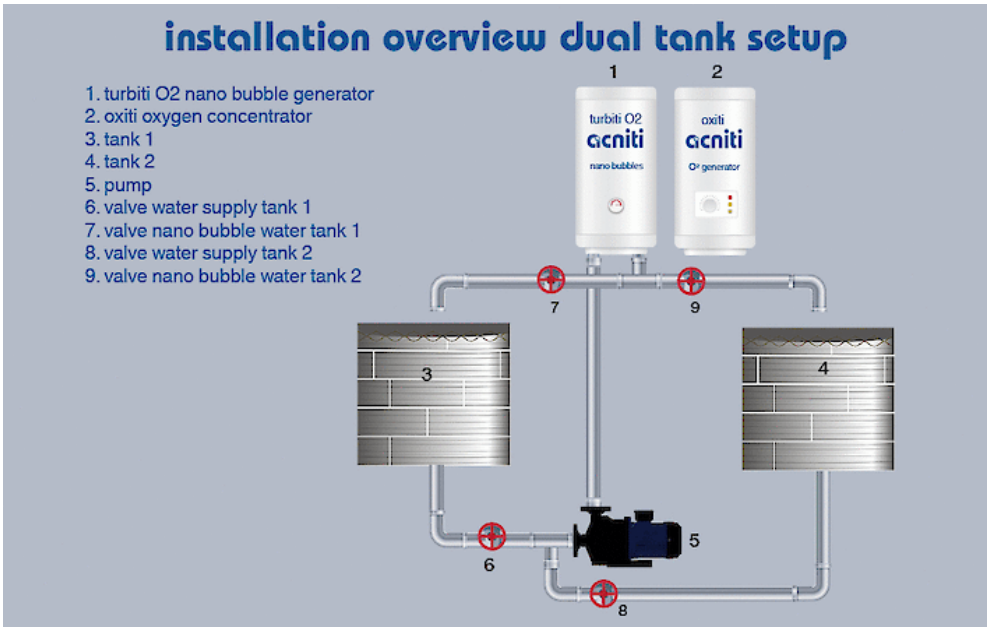
turbiti wall mounted nanobubble mixer with enhanced aeration technology

- 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 for 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 and fish cultivation sites. The Turbiti O2 must be combined with an oxygen generator, which creates 90% pure oxygen out of air.

Inside the turbiti O2 is Acniti's low pressure static mixer swirl flow technology, which creates billions of nano-sized bubbles by beating up the gas water mixture. The Turbiti O2 is flexible to implement, as it can be used with a wide array of pumps.

The turbiti O2 is used for aerating fishponds with nanobubbles. Super saturation of oxygen for water day storage tanks in horticulture. Drinking water solutions for chicken, cows, pigs and horses, giving high DO water with ultrafine bubbles to animals with enhance their food digestion more efficiently and results in healthier animals.



turbiti 727 o2 nanobubble mixer in wall mounted enclosure specs

	General		
1	Model name	Turbiti wall mounted nanobubble mixer with enhanced aeration technology	
2	Model number	Turbiti Mount 727	
	Liquid	**Metric**	**Imperial**
3	Minimum flow / minute	75 Liter	20 Gallon
4	Maximum flow / minute	150 Liter	40 Gallon
5	Minimum flow / hour	4.5 M3	158.9 CF
6	Maximum flow / hour	9.0 M3	317.8 CF
7	water temperature minimum	-20 °C	-4 °F
8	water temperature maximum	50 °C	122 °F
9	Strainer availability and size	No strainer on the equipment, strainer required when particles larger than 1 or 2 mm.	
10	Recommended inlet filter(s)	Self-Cleaning Pump Inlet Filters: 50-1000 LPM | Acniti	
	Ambient	**Metric**	**Imperial**
11	Ambient temperature minimum	-20 °C	-4 °F
12	Ambient temperature maximum	50 °C	122 °F
13	Relative humidity minimum	0 %	
14	Relative humidity maximum	100 %	
	Gas	**Metric**	**Imperial**
15	Minimum flow / minute	2.5 Liter	0.7 Gallon
16	Maximum flow / minute	5.0 Liter	1.3 Gallon

	Gas	Metric	Imperial
17	Minimum flow / hour	150 Liter	40 Gallon
18	Maximum flow / hour	300 Liter	79 Gallon
19	Pressure minimum	50 kPa	7 PSI
20	Pressure maximum	350 kPa	51 PSI
21	Gas quality	No corrosive gasses: suitable for O2, air, CO2, N2	
22	Gas remark	The mentioned pressures are recommended pressures for bubble generation. The product itself can withstand pressures up to 500 kPa.	
	Electrical	**Metric**	**Imperial**
23	Unit phase Ø voltage		
24	Unit power consumption	No pump included with this product. Estimated power consumption 750-1000 watts.	
25	Wetted parts	nylon based resins, PVC, EPDM rubber	
26	Pump model	Recommended: use of a low head centrifugal pump or pool pump	
27	Pump phase Ø voltage		
28	Pump phase Ø voltage 60Hz		
29	Pump pressure setting	This product works well with most low head pumps. Head 10 to 15 meters. (Ask us for more details).	
30	Control	Manual by pressure gauche	
	Pump		
31	@option	Ebara-Matrix-5-3	
	Connections		
32	Water inlet	Rigid Rc 1" female coupling with thread	
33	Water outlet	rigid Rc 3/4" female coupling with thread	
34	Gas inlet	10 mm standard quick fitting, 3/8 on request	
	Dimensions & weight	**Metric**	**Imperial**
35	Dim. (w) x (d) x (h)	644 x 200 x 1040 mm	25.4 x 7.9 x 40.9 inch
36	weight	26.5 Kg	58.4 lbs.

	Dimensions & weight	Metric	Imperial
37	Shipping dim. (w)x(d)x(h)	67 x 37 x 107 cm	26 x 15 x 42 inch
38	Shipping weight	35 Kg	77 lbs.
	Remarks		
39	Other remarks	Easy to integrate with existing pool pumps	

turbiti 737 o2 nanobubble mixer in wall mounted enclosure specs

	General		
1	Model name	Turbiti wall mounted nanobubble mixer with enhanced aeration technology	
2	Model number	Turbiti Mount 737	
	Liquid	**Metric**	**Imperial**
3	Minimum flow / minute	150 Liter	40 Gallon
4	Maximum flow / minute	400 Liter	106 Gallon
5	Minimum flow / hour	9.0 M3	317.8 CF
6	Maximum flow / hour	24 M3	848 CF
7	water temperature minimum	-20 °C	-4 °F
8	water temperature maximum	50 °C	122 °F
9	Strainer availability and size	No strainer on the equipment, strainer required when particles larger than 1 or 2 mm.	
10	Recommended inlet filter(s)	Self-Cleaning Pump Inlet Filters: 50-1000 LPM | Acniti	
	Ambient	**Metric**	**Imperial**
11	Ambient temperature minimum	-20 °C	-4 °F
12	Ambient temperature maximum	50 °C	122 °F
13	Relative humidity minimum	0 %	
14	Relative humidity maximum	100 %	
	Gas	**Metric**	**Imperial**
15	Minimum flow / minute	5.0 Liter	1.3 Gallon
16	Maximum flow / minute	8.0 Liter	2.1 Gallon

	Gas	Metric	Imperial
17	Minimum flow / hour	300 Liter	79 Gallon
18	Maximum flow / hour	480 Liter	127 Gallon
19	Pressure minimum	50 kPa	7 PSI
20	Pressure maximum	300 kPa	44 PSI
21	Gas quality	No corrosive gasses: suitable for O2, air, CO2, N2	
22	Gas remark	The mentioned pressures are recommended pressures for bubble generation. The product itself can withstand pressures up to 500 kPa.	
	Electrical	**Metric**	**Imperial**
23	Unit phase Ø voltage		
24	Unit power consumption	No pump included with this product. Estimated power consumption 750-1000 watts.	
25	Wetted parts	nylon based resins, PVC, EPDM rubber	
26	Pump model	Recommended: use of a low head centrifugal pump or pool pump	
27	Pump phase Ø voltage		
28	Pump phase Ø voltage 60Hz		
29	Pump pressure setting	This product works well with most low head pumps. Head 10 to 15 meters. (Ask us for more details).	
30	Control	Manual by pressure gauche	
	Pump		
31	@option	Grundfos CM10-1	
32	@option	Ebara pump DWO-400	
	Connections		
33	Water inlet	Rigid Rc 2" female coupling with thread	
34	Water outlet	rigid Rc 1" female coupling with thread	
35	Gas inlet	10 mm standard quick fitting, 3/8 on request	
	Dimensions & weight	**Metric**	**Imperial**
36	Dim. (w) x (d) x (h)	644 x 200 x 1040 mm	25.4 x 7.9 x 40.9 inch

	Dimensions & weight	Metric	Imperial
37	weight	26.5 Kg	58.4 lbs.
38	Shipping dim. (w)x(d)x(h)	67 x 37 x 107 cm	26 x 15 x 42 inch
39	Shipping weight	35 Kg	77 lbs.
	Remarks		
40	Other remarks	Easy to integrate with existing pool pumps	

turbiti 747 o2 nanobubble mixer in wall mounted enclosure specs

	General		
1	Model name	Turbiti wall mounted nanobubble mixer with enhanced aeration technology	
2	Model number	Turbiti Mount 747	
	Liquid	**Metric**	**Imperial**
3	Minimum flow / minute	400 Liter	106 Gallon
4	Maximum flow / minute	600 Liter	159 Gallon
5	Minimum flow / hour	24 M3	848 CF
6	Maximum flow / hour	36 M3	1,271 CF
7	water temperature minimum	-20 °C	-4 °F
8	water temperature maximum	50 °C	122 °F
9	Strainer availability and size	No strainer on the equipment, strainer required when particles larger than 1 or 2 mm.	
10	Recommended inlet filter(s)	Self-Cleaning Pump Inlet Filters: 50-1000 LPM | Acniti	
	Ambient	**Metric**	**Imperial**
11	Ambient temperature minimum	-20 °C	-4 °F
12	Ambient temperature maximum	50 °C	122 °F
13	Relative humidity minimum	0 %	
14	Relative humidity maximum	100 %	
	Gas	**Metric**	**Imperial**
15	Minimum flow / minute	5.0 Liter	1.3 Gallon
16	Maximum flow / minute	8.0 Liter	2.1 Gallon

	Gas	Metric	Imperial
17	Minimum flow / hour	300 Liter	79 Gallon
18	Maximum flow / hour	480 Liter	127 Gallon
19	Pressure minimum	50 kPa	7 PSI
20	Pressure maximum	300 kPa	44 PSI
21	Gas quality	No corrosive gasses: suitable for O2, air, CO2, N2	
22	Gas remark	The mentioned pressures are recommended pressures for bubble generation. The product itself can withstand pressures up to 500 kPa.	
	Electrical	**Metric**	**Imperial**
23	Unit phase Ø voltage		
24	Unit power consumption	No pump included with this product. Estimated power consumption 1500-2000 watts.	
25	Wetted parts	nylon based resins, PVC, EPDM rubber	
26	Pump model	Recommended: use of a low head centrifugal pump or pool pump	
27	Pump phase Ø voltage		
28	Pump phase Ø voltage 60Hz		
29	Pump pressure setting	This product works well with most low head pumps. Head 10 to 15 meters. (Ask us for more details).	
30	Control	Manual by pressure gauche	
	Connections		
31	Water inlet	Rigid Rc 2" female coupling with thread	
32	Water outlet	rigid Rc 1.5" female coupling with thread	
33	Gas inlet	10 mm standard quick fitting, 3/8 on request	
	Dimensions & weight	**Metric**	**Imperial**
34	Dim. (w) x (d) x (h)	644 x 200 x 1040 mm	25.4 x 7.9 x 40.9 inch
35	weight	26.5 Kg	58.4 lbs.
36	Shipping dim. (w)x(d)x(h)	67 x 37 x 107 cm	26 x 15 x 42 inch

	Dimensions & weight	Metric	Imperial
37	Shipping weight	35 Kg	77 lbs.
	Remarks		
38	Other remarks	Easy to integrate with existing pool pumps	