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turbiti fusion: micro nanobubble generator | acniti

The Turbiti Fusion is a plug-and-play micro nanobubble generator using a turbulent mixer-ejector principle to produce billions of ultrafine bubbles per minute. With flow rates of 540–900 L/h and compatibility with O_2, air, CO_2, N_2 and ozone, it delivers superior dissolved oxygen levels for water treatment, aquaculture, and biochemical processes. Available in 115V and 230V configurations.

turbiti fusion: micro nanobubble generator | acniti

turbiti fusion: compact micro nanobubble generator for water treatment

- Turbiti fusion micro nanobubble generator
- Plug and Play pump included.
- Little gas pressure required just to open the crack valve
- Suitable for lab use and continuous use in small applications
- Frequency drive for pump speed control included

The Turbiti Fusion micro-nanobubble generator is designed to enhance gas-liquid mixing much more efficiently, with clear applications in water treatment, aquaculture, and various biochemical processes. What stands out is how it produces an enormous number of ultrafine bubbles every minute, billions, in fact, which significantly increase oxygenation and help dissolve gases like Nitrogen, CO_2, ozone, and even regular air.

The system is available in two main versions: the 6-, 7- and 8-series. Both use a stainless-steel pump that can withstand harsher environments. The 606 model is specifically designed for use with seawater, while the 808 can handle corrosive gases, which can otherwise be a serious headache for maintenance. For operators who need a pure, consistent oxygen supply to feed the system, pairing the Turbiti Fusion with the Oxiti-01 industrial oxygen concentrator delivers a reliable, on-demand gas source without depending on cylinder logistics. Speaking of maintenance, that's one of the draws here: the Turbiti Fusion is engineered so you don't have to constantly tinker with it.

Energy use also stays on the lower side, partly because of the variable frequency drive and a design that is more thoughtful than flashy. It's compact, doesn't demand much space, and offers a range of installation options, making it easier to slot into existing setups rather than forcing big redesigns.

In terms of performance, the Turbiti Fusion runs at 540–900 liters per hour. It operates in water temperatures from freezing to 40°C, with ambient air temperatures from -10°C to 40°C, making it versatile across most ordinary climates.

For water treatment applications that call for disinfection or oxidation, the Turbiti

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Fusion pairs well with the Oziti 1 g/h lab-scale ozone generator. Injecting ozone through a nanobubble generator produces a much finer, longer-lasting dispersion than conventional diffusers, maximizing contact time and treatment efficiency without increasing chemical load.

For a deeper look at how compact nanobubble generators perform in scientific and laboratory settings, see our article Compact Lab-Scale Nanobubble Generators for Scientific Use.

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turbiti fusion 707 115v: lab nanobubble generator | acniti

	General		
1	Model name	Turbiti Fusion: Compact Micro Nanobubble Generator for Water Treatment	
2	Model number	turbiti_fusion_707_115V	
	Liquid	**Metric**	**Imperial**
3	Minimum flow / minute	9.0 Liter	2.4 Gallon
4	Maximum flow / minute	15 Liter	4.0 Gallon
5	Minimum flow / hour	540 Liter	143 Gallon
6	Maximum flow / hour	900 Liter	238 Gallon
7	water temperature minimum	0 °C	32 °F
8	water temperature maximum	40 °C	104 °F
9	Strainer availability and size		
	Ambient	**Metric**	**Imperial**
10	Ambient temperature minimum	-10 °C	14 °F
11	Ambient temperature maximum	40 °C	104 °F
12	Relative humidity minimum	0 %	
13	Relative humidity maximum	90 %	
	Gas	**Metric**	**Imperial**
14	Minimum flow / minute	0.2 Liter	0.1 Gallon
15	Maximum flow / minute	0.6 Liter	0.2 Gallon
16	Minimum flow / hour	12 Liter	3.2 Gallon

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	Gas	Metric	Imperial
17	Maximum flow / hour	36 Liter	9.5 Gallon
18	Pressure minimum	50 kPa	7 PSI
19	Pressure maximum	400 kPa	58 PSI
20	Gas quality	No corrosive gases	
21	Gas remark	O2, Air, CO2, N2	
	Electrical	**Metric**	**Imperial**
22	Unit phase Ø voltage	1 Ø 115 VAC	
23	Unit power consumption	850 watts	
24	Wetted parts	SUS304, SUS316, PVC, ASA, brass	
25	Pump model		
26	Pump phase Ø voltage		
27	Pump motor 50Hz	550 Watt	0.7 hp
28	Pump head 50Hz	35 Meter	115 ft
29	Pump phase Ø voltage 60Hz		
30	Pump pressure setting		
31	Control		
	Connections		
32	Water inlet	RC 3/4"	
33	Water outlet	RC 3/8"	
34	Gas inlet	6mm or 1/4"	
	Dimensions & weight	**Metric**	**Imperial**
35	Dim. (w) x (d) x (h)	270 x 550 x 450 mm	10.6 x 21.7 x 17.7 inch
36	weight	18.8 Kg	41.4 lbs.
37	HS code	8479.82.0040	
38	Shipping dim. (w)x(d)x(h)	36 x 61 x 46 cm	14 x 24 x 18 inch
39	Shipping weight	21 Kg	46 lbs.

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turbiti fusion 707: micro nanobubble generator 230v | acniti

	General		
1	Model name	Turbiti Fusion: Compact Micro Nanobubble Generator for Water Treatment	
2	Model number	turbiti_fusion_707_230V	
	Liquid	**Metric**	**Imperial**
3	Minimum flow / minute	9.0 Liter	2.4 Gallon
4	Maximum flow / minute	15 Liter	4.0 Gallon
5	Minimum flow / hour	540 Liter	143 Gallon
6	Maximum flow / hour	900 Liter	238 Gallon
7	water temperature minimum	0 °C	32 °F
8	water temperature maximum	40 °C	104 °F
9	Strainer availability and size		
	Ambient	**Metric**	**Imperial**
10	Ambient temperature minimum	-10 °C	14 °F
11	Ambient temperature maximum	40 °C	104 °F
12	Relative humidity minimum	0 %	
13	Relative humidity maximum	90 %	
	Gas	**Metric**	**Imperial**
14	Minimum flow / minute	0.2 Liter	0.1 Gallon
15	Maximum flow / minute	0.6 Liter	0.2 Gallon
16	Minimum flow / hour	12 Liter	3.2 Gallon

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	Gas	Metric	Imperial
17	Maximum flow / hour	36 Liter	9.5 Gallon
18	Pressure minimum	50 kPa	7 PSI
19	Pressure maximum	400 kPa	58 PSI
20	Gas quality	No corrosive gases	
21	Gas remark	O2, Air, CO2, N2	
	Electrical	**Metric**	**Imperial**
22	Unit phase Ø voltage	1 Ø 230 VAC	
23	Unit power consumption	600 watts	
24	Wetted parts		
25	Pump model		
26	Pump phase Ø voltage		
27	Pump motor 50Hz	550 Watt	0.7 hp
28	Pump head 50Hz	35 Meter	115 ft
29	Pump phase Ø voltage 60Hz		
30	Pump pressure setting		
31	Control		
	Connections		
32	Water inlet	RC 3/4"	
33	Water outlet	RC 3/8"	
34	Gas inlet	6mm or 1/4"	
	Dimensions & weight	**Metric**	**Imperial**
35	Dim. (w) x (d) x (h)	270 x 550 x 450 mm	10.6 x 21.7 x 17.7 inch
36	weight	18.8 Kg	41.4 lbs.
37	HS code	8479.82.0040	
38	Shipping dim. (w)x(d)x(h)	36 x 61 x 46 cm	14 x 24 x 18 inch
39	Shipping weight	21 Kg	46 lbs.

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turbiti fusion 808 115v: lab nanobubble generator | acniti

	General		
1	Model name	Turbiti Fusion: Compact Micro Nanobubble Generator for Water Treatment	
2	Model number	turbiti_fusion_808_115V	
	Liquid	**Metric**	**Imperial**
3	Minimum flow / minute	9.0 Liter	2.4 Gallon
4	Maximum flow / minute	15 Liter	4.0 Gallon
5	Minimum flow / hour	540 Liter	143 Gallon
6	Maximum flow / hour	900 Liter	238 Gallon
7	water temperature minimum	0 °C	32 °F
8	water temperature maximum	40 °C	104 °F
9	Strainer availability and size		
	Ambient	**Metric**	**Imperial**
10	Ambient temperature minimum	-10 °C	14 °F
11	Ambient temperature maximum	40 °C	104 °F
12	Relative humidity minimum	0 %	
13	Relative humidity maximum	90 %	
	Gas	**Metric**	**Imperial**
14	Minimum flow / minute	0.2 Liter	0.1 Gallon
15	Maximum flow / minute	0.6 Liter	0.2 Gallon
16	Minimum flow / hour	12 Liter	3.2 Gallon

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	Gas	Metric	Imperial
17	Maximum flow / hour	36 Liter	9.5 Gallon
18	Pressure minimum	50 kPa	7 PSI
19	Pressure maximum	400 kPa	58 PSI
20	Gas quality	No corrosive gases	
21	Gas remark	O2, Air, CO2, N2, O3	
	Electrical	**Metric**	**Imperial**
22	Unit phase Ø voltage	1 Ø 115 VAC	
23	Unit power consumption	850 watts	
24	Wetted parts	SUS304, SUS316, PVC, ASA	
25	Pump model		
26	Pump phase Ø voltage		
27	Pump motor 50Hz	550 Watt	0.7 hp
28	Pump head 50Hz	35 Meter	115 ft
29	Pump phase Ø voltage 60Hz		
30	Pump pressure setting		
31	Control		
	Connections		
32	Water inlet	RC 3/4"	
33	Water outlet	RC 3/8"	
34	Gas inlet	6mm or 1/4"	
	Dimensions & weight	**Metric**	**Imperial**
35	Dim. (w) x (d) x (h)	270 x 550 x 450 mm	10.6 x 21.7 x 17.7 inch
36	weight	18.8 Kg	41.4 lbs.
37	HS code	8479.82.0040	
38	Shipping dim. (w)x(d)x(h)	36 x 61 x 46 cm	14 x 24 x 18 inch
39	Shipping weight	21 Kg	46 lbs.

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turbiti fusion 808 230v: ozone nanobubble generator | acniti

	General		
1	Model name	Turbiti Fusion: Compact Micro Nanobubble Generator for Water Treatment	
2	Model number	turbiti_fusion_808_115V	
	Liquid	**Metric**	**Imperial**
3	Minimum flow / minute	9.0 Liter	2.4 Gallon
4	Maximum flow / minute	15 Liter	4.0 Gallon
5	Minimum flow / hour	540 Liter	143 Gallon
6	Maximum flow / hour	900 Liter	238 Gallon
7	water temperature minimum	0 °C	32 °F
8	water temperature maximum	40 °C	104 °F
9	Strainer availability and size		
	Ambient	**Metric**	**Imperial**
10	Ambient temperature minimum	-10 °C	14 °F
11	Ambient temperature maximum	40 °C	104 °F
12	Relative humidity minimum	0 %	
13	Relative humidity maximum	90 %	
	Gas	**Metric**	**Imperial**
14	Minimum flow / minute	0.2 Liter	0.1 Gallon
15	Maximum flow / minute	0.6 Liter	0.2 Gallon
16	Minimum flow / hour	12 Liter	3.2 Gallon

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	Gas	Metric	Imperial
17	Maximum flow / hour	36 Liter	9.5 Gallon
18	Pressure minimum	50 kPa	7 PSI
19	Pressure maximum	400 kPa	58 PSI
20	Gas quality	No corrosive gases	
21	Gas remark	O2, Air, CO2, N2, O3	
	Electrical	**Metric**	**Imperial**
22	Unit phase Ø voltage	1 Ø 230 VAC	
23	Unit power consumption	850 watts	
24	Wetted parts	SUS304, SUS316, PVC, ASA	
25	Pump model		
26	Pump phase Ø voltage		
27	Pump motor 50Hz	550 Watt	0.7 hp
28	Pump head 50Hz	35 Meter	115 ft
29	Pump phase Ø voltage 60Hz		
30	Pump pressure setting		
31	Control		
	Connections		
32	Water inlet	RC 3/4"	
33	Water outlet	RC 3/8"	
34	Gas inlet	6mm or 1/4"	
	Dimensions & weight	**Metric**	**Imperial**
35	Dim. (w) x (d) x (h)	270 x 550 x 450 mm	10.6 x 21.7 x 17.7 inch
36	weight	18.8 Kg	41.4 lbs.
37	HS code	8479.82.0040	
38	Shipping dim. (w)x(d)x(h)	36 x 61 x 46 cm	14 x 24 x 18 inch
39	Shipping weight	21 Kg	46 lbs.

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turbiti fusion 606: saltwater nanobubble mixer 115v | acniti

	General		
1	Model name	Turbiti Fusion: Compact Micro Nanobubble Generator for Water Treatment	
2	Model number	turbiti_fusion_606_115V	
	Liquid	**Metric**	**Imperial**
3	Minimum flow / minute	9.0 Liter	2.4 Gallon
4	Maximum flow / minute	15 Liter	4.0 Gallon
5	Minimum flow / hour	540 Liter	143 Gallon
6	Maximum flow / hour	900 Liter	238 Gallon
7	water temperature minimum	0 °C	32 °F
8	water temperature maximum	40 °C	104 °F
9	Strainer availability and size		
	Ambient	**Metric**	**Imperial**
10	Ambient temperature minimum	-10 °C	14 °F
11	Ambient temperature maximum	40 °C	104 °F
12	Relative humidity minimum	0 %	
13	Relative humidity maximum	90 %	
	Gas	**Metric**	**Imperial**
14	Minimum flow / minute	0.2 Liter	0.1 Gallon
15	Maximum flow / minute	0.6 Liter	0.2 Gallon
16	Minimum flow / hour	12 Liter	3.2 Gallon

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	Gas	Metric	Imperial
17	Maximum flow / hour	36 Liter	9.5 Gallon
18	Pressure minimum	50 kPa	7 PSI
19	Pressure maximum	400 kPa	58 PSI
20	Gas quality	No corrosive gases	
21	Gas remark	O2, Air, CO2, N2	
	Electrical	**Metric**	**Imperial**
22	Unit phase Ø voltage	1 Ø 115 VAC	
23	Unit power consumption	850 watts	
24	Wetted parts	SUS304, SUS316, PVC, ASA, PPS	
25	Pump model		
26	Pump phase Ø voltage		
27	Pump motor 50Hz	550 Watt	0.7 hp
28	Pump head 50Hz	35 Meter	115 ft
29	Pump phase Ø voltage 60Hz		
30	Pump pressure setting		
31	Control		
	Connections		
32	Water inlet	RC 3/4"	
33	Water outlet	RC 3/8"	
34	Gas inlet	6mm or 1/4"	
	Dimensions & weight	**Metric**	**Imperial**
35	Dim. (w) x (d) x (h)	270 x 550 x 450 mm	10.6 x 21.7 x 17.7 inch
36	weight	18.8 Kg	41.4 lbs.
37	HS code	8479.82.0040	
38	Shipping dim. (w)x(d)x(h)	36 x 61 x 46 cm	14 x 24 x 18 inch
39	Shipping weight	21 Kg	46 lbs.

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	Remarks	
40	Other remarks	Note: the pump is SUS304, which offers moderate saltwater resistance. A higher-grade alloy would be preferable for continuous seawater duty, but is not available in this configuration.

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turbiti fusion 606: saltwater nanobubble mixer 230v | acniti

	General		
1	Model name	Turbiti Fusion: Compact Micro Nanobubble Generator for Water Treatment	
2	Model number	turbiti_fusion_606_115V	
	Liquid	**Metric**	**Imperial**
3	Minimum flow / minute	9.0 Liter	2.4 Gallon
4	Maximum flow / minute	15 Liter	4.0 Gallon
5	Minimum flow / hour	540 Liter	143 Gallon
6	Maximum flow / hour	900 Liter	238 Gallon
7	water temperature minimum	0 °C	32 °F
8	water temperature maximum	40 °C	104 °F
9	Strainer availability and size		
	Ambient	**Metric**	**Imperial**
10	Ambient temperature minimum	-10 °C	14 °F
11	Ambient temperature maximum	40 °C	104 °F
12	Relative humidity minimum	0 %	
13	Relative humidity maximum	90 %	
	Gas	**Metric**	**Imperial**
14	Minimum flow / minute	0.2 Liter	0.1 Gallon
15	Maximum flow / minute	0.6 Liter	0.2 Gallon
16	Minimum flow / hour	12 Liter	3.2 Gallon

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	Gas	Metric	Imperial
17	Maximum flow / hour	36 Liter	9.5 Gallon
18	Pressure minimum	50 kPa	7 PSI
19	Pressure maximum	400 kPa	58 PSI
20	Gas quality	No corrosive gases	
21	Gas remark	O2, Air, CO2, N2	
	Electrical	**Metric**	**Imperial**
22	Unit phase Ø voltage	1 Ø 230 VAC	
23	Unit power consumption	850 watts	
24	Wetted parts	SUS304, SUS316, PVC, ASA, brass	
25	Pump model		
26	Pump phase Ø voltage		
27	Pump motor 50Hz	550 Watt	0.7 hp
28	Pump head 50Hz	35 Meter	115 ft
29	Pump phase Ø voltage 60Hz		
30	Pump pressure setting		
31	Control		
	Connections		
32	Water inlet	RC 3/4"	
33	Water outlet	RC 3/8"	
34	Gas inlet	6mm or 1/4"	
	Dimensions & weight	**Metric**	**Imperial**
35	Dim. (w) x (d) x (h)	270 x 550 x 450 mm	10.6 x 21.7 x 17.7 inch
36	weight	18.8 Kg	41.4 lbs.
37	HS code	8479.82.0040	
38	Shipping dim. (w)x(d)x(h)	36 x 61 x 46 cm	14 x 24 x 18 inch
39	Shipping weight	21 Kg	46 lbs.

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	Remarks	
40	Other remarks	Note: the pump is SUS304, which offers moderate saltwater resistance. A higher-grade alloy would be preferable for continuous seawater duty, but is not available in this configuration.

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fusion integra 808 115v: nanobubble ozone | acniti

	General		
1	Model name	Turbiti Fusion: Compact Micro Nanobubble Generator for Water Treatment	
2	Model number	turbiti-808-nbc	
	Liquid	**Metric**	**Imperial**
3	Flow / minute 50 Hz	11 Liter	2.9 Gallon
4	Flow / minute 60 Hz	11 Liter	2.9 Gallon
5	Flow / hour 50 Hz	660 Liter	174 Gallon
6	Flow / hour 60 Hz	660 Liter	174 Gallon
7	water temperature minimum	4 °C	39 °F
8	water temperature maximum	30 °C	86 °F
9	Strainer availability and size	No strainer, require connection to water tap	
	Ambient	**Metric**	**Imperial**
10	Ambient temperature minimum	4 °C	39 °F
11	Ambient temperature maximum	50 °C	122 °F
12	Relative humidity minimum	0 %	
13	Relative humidity maximum	95 %	
	Gas	**Metric**	**Imperial**
14	Gas quality		
15	Gas remark		
	Electrical	**Metric**	**Imperial**

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	Electrical	Metric	Imperial
16	Unit phase Ø voltage	100~230VAC	
17	Unit power consumption	850W	
18	Wetted parts		
19	Pump model		
20	Pump phase Ø voltage		
21	Pump phase Ø voltage 60Hz		
22	Pump suction method	Directly from tank	
23	Pump pressure setting		
24	Control	Automatic ozone leveling | No control	
	Pump Connections		
25	Water inlet	3/8" BSPT	
26	Water outlet	tap or 3/8" BSPT	
27	Gas inlet	direct suction from ambient	
	Dimensions & weight	**Metric**	**Imperial**
28	Dim. (w) x (d) x (h)	500 x 450 x 845 mm	19.7 x 17.7 x 33.3 inch
29	weight	65 Kg	143.3 lbs.
30	HS code	8479.82.0040	
31	Shipping dim. (w)x(d)x(h)	67 x 64 x 98 cm	26 x 25 x 39 inch
32	Shipping weight	75 Kg	165 lbs.

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	Remarks	
33	Other remarks	✔ Unit includes a 1 lpm oxygen concentrator ✔ Unite includes a 1gram per hour ozone generator ✔ Unit includes a pump ✔ Unit includes a mixing tank ✔ Unit includes an ozone destructor ✔ Switching between ozone and oxygen nanobubble operation possible ✔ Automatic control of dissolved ozone (ppm) level with integrated controller

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