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

turbiti fusion

Discover how the Turbiti Fusion micro nanobubble generator revolutionizes industrial and water treatment applications. Designed for efficiency, it handles Air, O_2, CO_2, N_2, and even corrosive gases like ozone. Explore detailed specifications, energy-efficient features, robust construction, and advanced technology for optimal performance in demanding environments. Whether seeking reliable gas mixing, high flow rates, or versatile setup options, this page provides all you need to know about Turbiti Fusion models for professional use cases. Start reading to understand their benefits in modern processing.

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turbiti fusion micro nanobubble generator

- 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 a lot more efficient, 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 increases oxygenation and helps dissolve gases like nitrogen, CO_2, ozone, or just regular air.

The system is available in two main versions: the 7 and 8 series. Both use a stainless-steel pump that can hold up in harsher environments. Some models are specifically built for cases where you're working with seawater or corrosive gases, which can otherwise be a serious headache for maintenance. Speaking of maintenance, that's one of the draws here—it's 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 seems more thoughtful than flashy. It's compact, doesn't demand much space, and offers a range of installation options, which could make it easier to slot into existing setups rather than forcing big redesigns.

In terms of performance, the Turbiti Fusion runs between 540 and 900 liters per hour. It works in water temperatures from freezing up to 40°C, with ambient air ranges of -10°C to 40°C—so, pretty versatile in most ordinary climates.

What might attract professionals, though, is less about the specs on paper and more about how it stacks against alternatives. Compared to static mixers or rotary systems, it tends to reach higher dissolved oxygen levels while being more reliable in continuous use. Of course, like with any specialized equipment, its value probably depends on whether your project really needs that degree of oxygen saturation, but for people working in demanding water environments, it does appear to create an edge.

turbiti fusion 707 115v

	Description	Metric	Imperial
1	Model name	turbiti fusion 707 115V	turbiti fusion 707 115V
2	Model number	turbiti_fusion_707_115V	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		
10	Recommended inlet filter(s)	Small pump inlet filter series	Small pump inlet filter series
	Ambient	**Metric**	**Imperial**
11	Ambient temperature minimum	-10 °C	14 °F
12	Ambient temperature maximum	40 °C	104 °F
13	Relative humidity minimum	0 %	0 %
14	Relative humidity maximum	90 %	90 %
	Gas	**Metric**	**Imperial**
15	Minimum flow / minute	0.2 Liter	0.1 Gallon
16	Maximum flow / minute	0.6 Liter	0.2 Gallon
17	Minimum flow / hour	12 Liter	3.2 Gallon

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

turbiti fusion 707 230v

	Description	Metric	Imperial
1	Model name	turbiti fusion 707 230V	turbiti fusion 707 230V
2	Model number	turbiti_fusion_707_230V	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		
10	Recommended inlet filter(s)	Small pump inlet filter series	Small pump inlet filter series
	Ambient	**Metric**	**Imperial**
11	Ambient temperature minimum	-10 °C	14 °F
12	Ambient temperature maximum	40 °C	104 °F
13	Relative humidity minimum	0 %	0 %
14	Relative humidity maximum	90 %	90 %
	Gas	**Metric**	**Imperial**
15	Minimum flow / minute	0.2 Liter	0.1 Gallon
16	Maximum flow / minute	0.6 Liter	0.2 Gallon
17	Minimum flow / hour	12 Liter	3.2 Gallon

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

turbiti fusion 808 115v

	Description	Metric	Imperial
1	Model name	turbiti fusion 808 115V	turbiti fusion 808 115V
2	Model number	turbiti_fusion_808_115	turbiti_fusion_808_115
	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 %	0 %
13	Relative humidity maximum	90 %	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
17	Maximum flow / hour	36 Liter	9.5 Gallon
18	Pressure minimum	50 kPa	7 PSI

	Gas	Metric	Imperial
19	Pressure maximum	400 kPa	58 PSI
20	Gas quality	No corrosive gases	No corrosive gases
21	Gas remark	O2, Air, CO2, N2, O3	O2, Air, CO2, N2, O3
	Electrical	**Metric**	**Imperial**
22	Unit phase Ø voltage	1 Ø 115 VAC	1 Ø 115 VAC
23	Unit power consumption	850 watts	850 watts
24	Wetted parts	SUS304, SUS316, PVC, ASA	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	**Metric**	**Imperial**
32	Water inlet	RC 3/4"	RC 3/4"
33	Water outlet	RC 3/8"	RC 3/8"
34	Gas inlet	6mm or 1/4"	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	Shipping dim. (w)x(d)x(h)	36 x 61 x 46 cm	14 x 24 x 18 inch
38	Shipping weight	21 Kg	46 lbs.

turbiti fusion 808 230v

	Description	Metric	Imperial
1	Model name	turbiti fusion 808 230V	turbiti fusion 808 230V
2	Model number	turbiti_fusion_808_230V	turbiti_fusion_808_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 %	0 %
13	Relative humidity maximum	90 %	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
17	Maximum flow / hour	36 Liter	9.5 Gallon
18	Pressure minimum	50 kPa	7 PSI

	Gas	Metric	Imperial
19	Pressure maximum	400 kPa	58 PSI
20	Gas quality	No corrosive gases	No corrosive gases
21	Gas remark	O2, Air, CO2, N2, O3	O2, Air, CO2, N2, O3
	Electrical	**Metric**	**Imperial**
22	Unit phase Ø voltage	1 Ø 230 VAC	1 Ø 230 VAC
23	Unit power consumption	850 watts	850 watts
24	Wetted parts	SUS304, SUS316, PVC, ASA	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	**Metric**	**Imperial**
32	Water inlet	RC 3/4"	RC 3/4"
33	Water outlet	RC 3/8"	RC 3/8"
34	Gas inlet	6mm or 1/4"	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	Shipping dim. (w)x(d)x(h)	36 x 61 x 46 cm	14 x 24 x 18 inch
38	Shipping weight	21 Kg	46 lbs.