

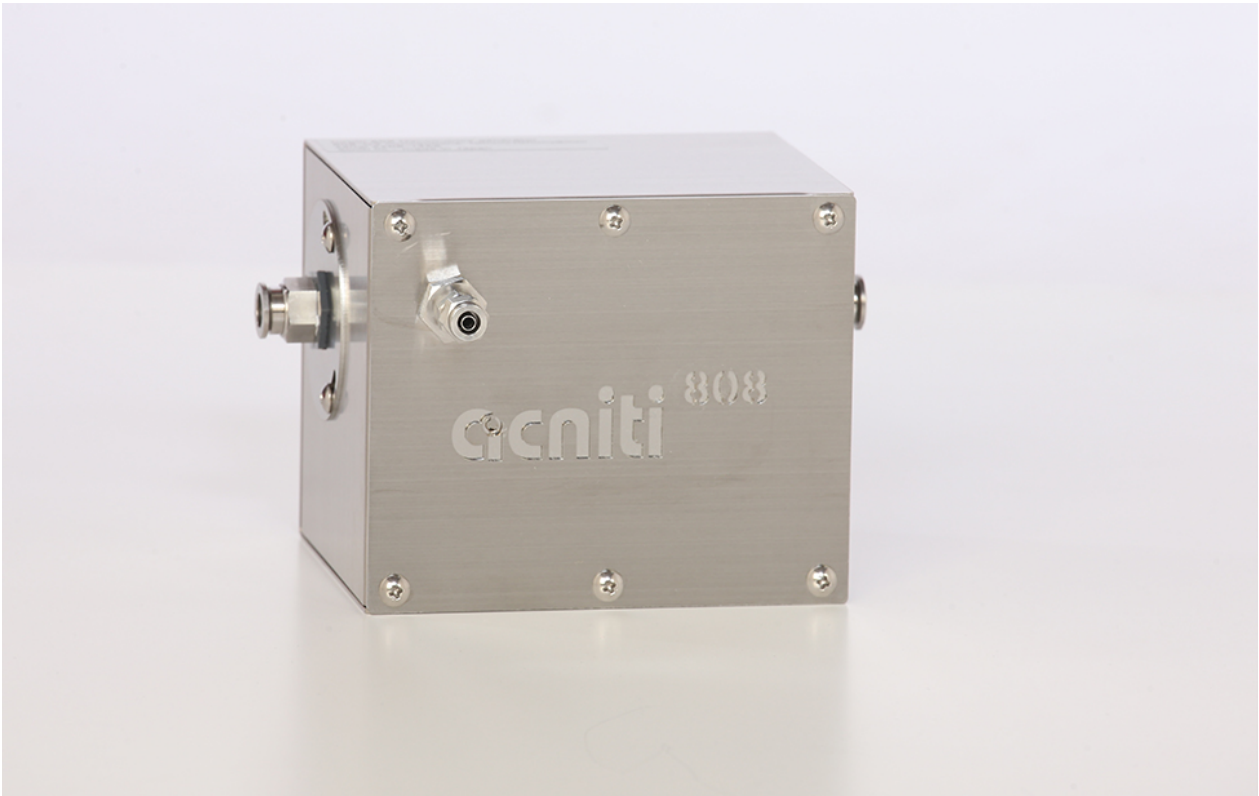


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## turbiti ozone nanobubble mixer

Combined with the benefits of a static mixer Acniti has implemented their proprietary swirl flow technology to generate efficiently and effectively ozone nanobubbles. The turbiti OEM series gives dealers and partners the opportunity to implement the turbiti ozone technology into their own equipment and sell nanobubbles generator equipment under their own brand name. This product is only for dealers and partner of acniti, that have a license agreement and commit to buy certain quantities.



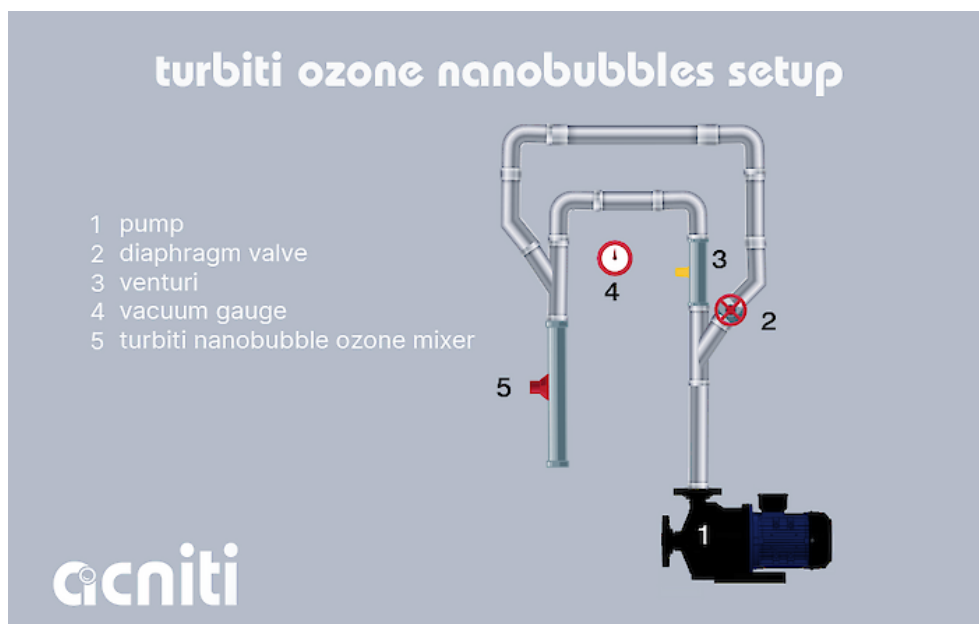
## turbiti ozone nanobubble mixer

### turbiti ozone nanobubble mixer

- ✓ OEM version of the ozone nanobubble mixer
- ✓ ozone ultrafine bubbles are created with a swirl flow static mixer technology
- ✓ flexible installation for your own tailored solutions
- ✓ available to acniti dealers and partners
- ✓ ultrafine ozone bubble generation ~ 100 nm bubble size
- ✓ produces billions of ozone nanobubbles
- ✓ ultrafine ozone bubbles stay in solution longer, maintaining longer ozone residual
- ✓ enhanced technology to hold gas better in solution

### turbiti ozone nanobubbles enhanced swirl flow technology

The static mixer has its origin from mixing two liquids, the first patent for a static mixer was filed in 1965. Instead of mixing two liquids there is also the possibility of mixing a liquid and a gas. The benefits of the static mixers is that they can treat large volumes of water at once. They are not sensitive to clogging. The acniti technology is based on this principle. Rather than a normal static mixer, acniti has implemented their proprietary swirl flow technology. The swirl flow ozone technology beats up the water and ozone, and due to the available shear forces in the mixer nanobubbles are created. In the schematic on the left you can get a visualization of how the technology works. The turbiti has an enhanced dissolved aeration performance, dissolving gasses like ozone efficient and in large quantities in water.

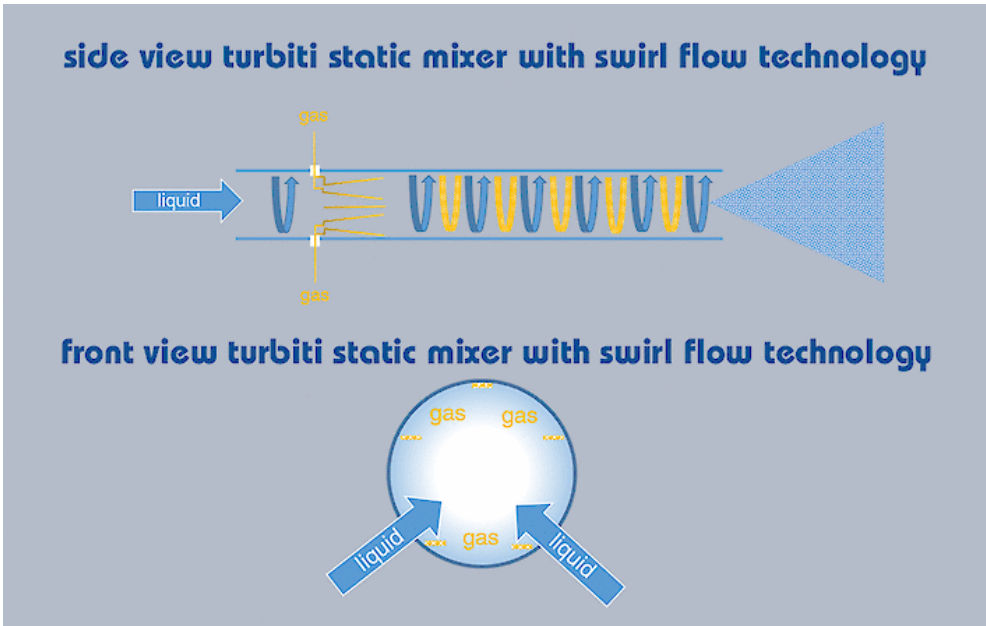




## dealers and partners

The turbiti OEM series gives dealers and partners the opportunity to implement the turbiti into their own equipment and sell nanobubbles generator equipment under their own brand name. This product is only for dealers and partner of acniti, that have a license agreement and commit to buy certain quantities. When you are interested in becoming an Acniti partner contact us for your geographic location and market. Customers that want to buy direct from acniti, please have a look at our other turbiti products:

- Turbiti nanobubble mixer
- Turbiti O2 nanobubble mixer land based
- Turbiti submersible nanobubble mixer
- Turbiti O3 nanobubble mixer land based
- Swim Puriti O2 nanobubble mixer
- Swim Puriti O3 nanobubble mixer



## turbiti 838 o3 nanobubble mixer venturi specs

Description		Metric	Imperial
1	Model name	Turbiti 838 O3 venturi	Turbiti 838 O3 venturi
2	Model number	turbiti_838_OEM_venturi	turbiti_838_OEM_venturi
Liquid		Metric	Imperial
3	Minimum flow / minute	100 Liter	26 Gallon
4	Maximum flow / minute	250 Liter	66 Gallon
5	Minimum flow / hour	6.0 M3	211.9 CF
6	Maximum flow / hour	15 M3	530 CF
7	water temperature minimum	-20 °C	-4 °F
8	water temperature maximum	50 °C	122 °F
9	Strainer availability and size	No strainer, strainer required when particles larger than 1 or 2 mm.	No strainer, strainer required when particles larger than 1 or 2 mm.
10	Recommended inlet filter(s)	Medium pump inlet filter series	Medium pump inlet filter series
Ambient		Metric	Imperial
11	Ambient temperature minimum	-20 °C	-4 °F
12	Ambient temperature maximum	50 °C	122 °F
13	Relative humidity minimum	0 %	0 %
14	Relative humidity maximum	100 %	100 %
Gas		Metric	Imperial
15	Minimum flow / minute	5.0 Liter	1.3 Gallon
16	Maximum flow / minute	8.0 Liter	2.1 Gallon
17	Minimum flow / hour	300 Liter	79 Gallon

Gas		Metric	Imperial
18	Maximum flow / hour	480 Liter	127 Gallon
19	Pressure minimum	50 kPa	7 PSI
20	Pressure maximum	350 kPa	51 PSI
21	Gas quality	Suitable for ozone	Suitable for ozone
Electrical		Metric	Imperial
22	Unit power consumption	No pump included with this product. Estimated power consumption 750-1000 watts.	No pump included with this product. Estimated power consumption 750-1000 watts.
23	Wetted parts	polycarbonate, PVC, EPDM rubber	polycarbonate, PVC, EPDM rubber
24	Pump model	Ozone resistant single stage centrifugal pumps	Ozone resistant single stage centrifugal pumps
25	Control	No control	No control
Connections		Metric	Imperial
26	Water inlet	Rc 2", inner thread	Rc 2", inner thread
27	Water outlet	Rc 1", inner thread	Rc 1", inner thread
28	Gas inlet	via venturi	via venturi
Dimensions & weight		Metric	Imperial
29	Diameter x Length	106 x 482	4.2 x 19.0
30	weight	1.8 Kg	4.0 lbs.
31	Shipping dim. (w)x(d)x(h)	16 x 55 x 16 cm	6 x 22 x 6 inch
32	Shipping weight	4 Kg	9 lbs.

# turbiti 808 o3 active gasinlet nanobubble mixer

## specs

Description		Metric	Imperial
1	Model name	Turbiti 808 O3 active gasinlet	Turbiti 808 O3 active gasinlet
2	Model number	turbiti_808_box304_active	turbiti_808_box304_active
Liquid		Metric	Imperial
3	Minimum flow / minute	4.0 Liter	1.1 Gallon
4	Maximum flow / minute	12 Liter	3.2 Gallon
5	Minimum flow / hour	240 Liter	63 Gallon
6	Maximum flow / hour	720 Liter	190 Gallon
7	water temperature minimum	-20 °C	-4 °F
8	water temperature maximum	50 °C	122 °F
9	Strainer availability and size	No strainer, strainer required when particles larger than 1 or 2 mm.	No strainer, strainer required when particles larger than 1 or 2 mm.
10	Recommended inlet filter(s)	Small pump inlet filter series	Small pump inlet filter series
Ambient		Metric	Imperial
11	Ambient temperature minimum	-20 °C	-4 °F
12	Ambient temperature maximum	50 °C	122 °F
13	Relative humidity minimum	0 %	0 %
14	Relative humidity maximum	100 %	100 %
Gas		Metric	Imperial



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
18	Maximum flow / hour	36 Liter	9.5 Gallon
19	Pressure minimum	50 kPa	7 PSI
20	Pressure maximum	350 kPa	51 PSI
21	Gas quality	Suitable for ozone	Suitable for ozone
Electrical		Metric	Imperial
22	Unit power consumption	No pump included with this product. Estimated power consumption 100-500 watts.	No pump included with this product. Estimated power consumption 100-500 watts.
23	Wetted parts	polycarbonate or ASA, PVC, EPDM rubber	polycarbonate or ASA, PVC, EPDM rubber
24	Pump model	Ozone resistant single stage centrifugal pumps	Ozone resistant single stage centrifugal pumps
25	Control	No control	No control
Pump			
26	@option	Libelle FL5035 24VDC	
Connections		Metric	Imperial
27	Water inlet	10 mm push to connect fitting or 3/8" on request	10 mm push to connect fitting or 3/8" on request
28	Water outlet	10 mm push to connect fitting or 3/8" on request	10 mm push to connect fitting or 3/8" on request
29	Gas inlet	via venturi	via venturi
Dimensions & weight		Metric	Imperial
30	Dim. (w) x (d) x (h)	120 x 180 x 140 mm	4.7 x 7.1 x 5.5 inch
31	weight	1.5 Kg	3.3 lbs.
32	Shipping dim. (w)x(d)x(h)	16 x 33 x 16 cm	6 x 13 x 6 inch

Dimensions & weight		Metric	Imperial
33	Shipping weight	2 Kg	4 lbs.

# turbiti 828 o3 nanobubble mixer venturi specs

Description		Metric	Imperial
1	Model name	Turbiti 828 O3 venturi	Turbiti 828 O3 venturi
2	Model number	turbiti_828_box304_venturi	turbiti_828_box304_venturi
Liquid		Metric	Imperial
3	Minimum flow / minute	50 Liter	13 Gallon
4	Maximum flow / minute	100 Liter	26 Gallon
5	Minimum flow / hour	3.0 M3	105.9 CF
6	Maximum flow / hour	6.0 M3	211.9 CF
7	water temperature minimum	-20 °C	-4 °F
8	water temperature maximum	50 °C	122 °F
9	Strainer availability and size	No strainer, strainer required when particles larger than 1 or 2 mm.	No strainer, strainer required when particles larger than 1 or 2 mm.
10	Recommended inlet filter(s)	Medium pump inlet filter series	Medium pump inlet filter series
Ambient		Metric	Imperial
11	Ambient temperature minimum	-20 °C	-4 °F
12	Ambient temperature maximum	50 °C	122 °F
13	Relative humidity minimum	0 %	0 %
14	Relative humidity maximum	100 %	100 %
Gas		Metric	Imperial
15	Minimum flow / minute	3.0 Liter	0.8 Gallon
16	Maximum flow / minute	5.0 Liter	1.3 Gallon

Gas		Metric	Imperial
17	Minimum flow / hour	180 Liter	48 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	Suitable for ozone	Suitable for ozone
Electrical		Metric	Imperial
22	Unit power consumption	No pump included with this product. Estimated power consumption 500-750 watts.	No pump included with this product. Estimated power consumption 500-750 watts.
23	Wetted parts	polycarbonate or ASA, PVC, EPDM rubber	polycarbonate or ASA, PVC, EPDM rubber
24	Pump model	Ozone resistant single stage centrifugal pumps	Ozone resistant single stage centrifugal pumps
25	Control	No control	No control
Connections		Metric	Imperial
26	Water inlet	Rc 1.25", inner thread	Rc 1.25", inner thread
27	Water outlet	Rc 3/4", inner thread	Rc 3/4", inner thread
28	Gas inlet	via venturi	via venturi
Dimensions & weight		Metric	Imperial
29	Dim. (w) x (d) x (h)	120 x 422 x 116 mm	4.7 x 16.6 x 4.6 inch
30	weight	2.8 Kg	6.2 lbs.
31	Shipping dim. (w)x(d)x(h)	55 x 16 x 16 cm	22 x 6 x 6 inch
32	Shipping weight	3 Kg	7 lbs.

# turbiti 848 o3 nanobubble mixer venturi specs

Description		Metric	Imperial
1	Model name	Turbiti 848 O3 venturi	Turbiti 848 O3 venturi
2	Model number	turbiti_848_box304_venturi	turbiti_848_box304_venturi
Liquid		Metric	Imperial
3	Minimum flow / minute	400 Liter	106 Gallon
4	Maximum flow / minute	500 Liter	132 Gallon
5	Minimum flow / hour	24 M3	848 CF
6	Maximum flow / hour	30 M3	1,059 CF
7	water temperature minimum	-20 °C	-4 °F
8	water temperature maximum	50 °C	122 °F
9	Strainer availability and size	No strainer, strainer required when particles larger than 1 or 2 mm.	No strainer, strainer required when particles larger than 1 or 2 mm.
Ambient		Metric	Imperial
10	Ambient temperature minimum	-20 °C	-4 °F
11	Ambient temperature maximum	50 °C	122 °F
12	Relative humidity minimum	0 %	0 %
13	Relative humidity maximum	100 %	100 %
Gas		Metric	Imperial
14	Minimum flow / minute	14 Liter	3.7 Gallon
15	Maximum flow / minute	16 Liter	4.2 Gallon
16	Minimum flow / hour	840 Liter	222 Gallon
17	Maximum flow / hour	960 Liter	254 Gallon

Gas		Metric	Imperial
18	Pressure minimum	50 kPa	7 PSI
19	Pressure maximum	350 kPa	51 PSI
20	Gas quality	Suitable for ozone	Suitable for ozone
Electrical		Metric	Imperial
21	Unit power consumption	No pump included with this product. Estimated power consumption 1500-2500 watts.	No pump included with this product. Estimated power consumption 1500-2500 watts.
22	Wetted parts	polycarbonate, PVC, EPDM rubber	polycarbonate, PVC, EPDM rubber
23	Pump model	Ozone resistant single stage centrifugal pumps	Ozone resistant single stage centrifugal pumps
24	Control	No control	No control
Connections		Metric	Imperial
25	Water inlet	Rc2", inner thread	Rc2", inner thread
26	Water outlet	Rc1", inner thread	Rc1", inner thread
27	Gas inlet	via venturi	via venturi
Dimensions & weight		Metric	Imperial
28	Dim. (w) x (d) x (h)	105 x 740 x 105 mm	4.1 x 29.1 x 4.1 inch
29	weight	1.8 Kg	4.0 lbs.
30	Shipping dim. (w)x(d)x(h)	30 x 80 x 30 cm	12 x 31 x 12 inch
31	Shipping weight	5 Kg	11 lbs.

# turbiti 828 o3 active gasinlet nanobubble mixer box 304

Description		Metric	Imperial
1	Model name	Turbiti 828 O3 active gasinlet box 304	Turbiti 828 O3 active gasinlet box 304
2	Model number	turbiti_828_box304_active	turbiti_828_box304_active
Connections		Metric	Imperial
3	Water inlet	Rc 1.25", inner thread	Rc 1.25", inner thread
4	Water outlet	Rc 3/4", inner thread	Rc 3/4", inner thread
5	Gas inlet	SUS316 compression fitting 6mm or 1/4"	SUS316 compression fitting 6mm or 1/4"

# turbiti 838 o3 active gasinlet nanobubble mixer

## oem

Description		Metric	Imperial
1	Model name	Turbiti 838 O3 active gasinlet OEM	Turbiti 838 O3 active gasinlet OEM
2	Model number	turbiti_838_OEM_active	turbiti_838_OEM_active
Connections		Metric	Imperial
3	Water inlet	Rc 2", inner thread	Rc 2", inner thread
4	Water outlet	Rc 1", inner thread	Rc 1", inner thread
5	Gas inlet	Venturi	Venturi



# turbiti 848 o3 active gasinlet nanobubble mixer box 304

Description		Metric	Imperial
1	Model name	Turbiti 848 O3 active gasinlet box 304	Turbiti 848 O3 active gasinlet box 304
2	Model number	turbiti_848_box304_active	turbiti_848_box304_active
Connections		Metric	Imperial
3	Water inlet	Rc 2", inner thread	Rc 2", inner thread
4	Water outlet	Rc 1.25", inner thread	Rc 1.25", inner thread
5	Gas inlet	10mm or 3/8" SUS 316 compression fitting	10mm or 3/8" SUS 316 compression fitting