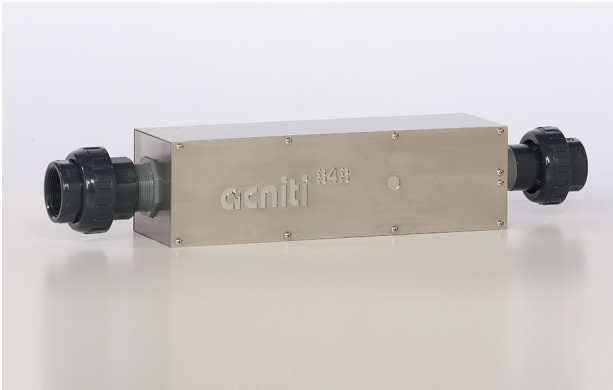
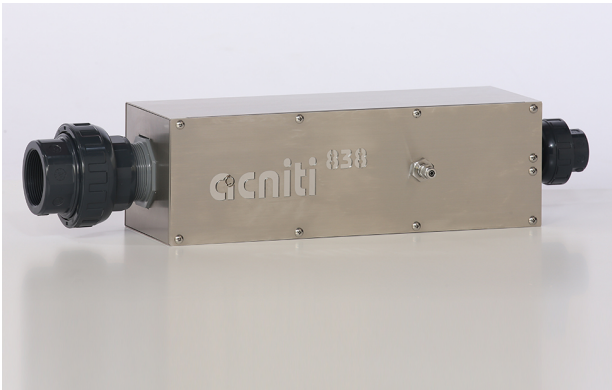


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turbiti ozone nanobubble mixer

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

- ✓ ozone ultrafine bubbles are created with a swirl flow static mixer technology
- ✓ flexible installation for your own tailored solutions
- ✓ 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

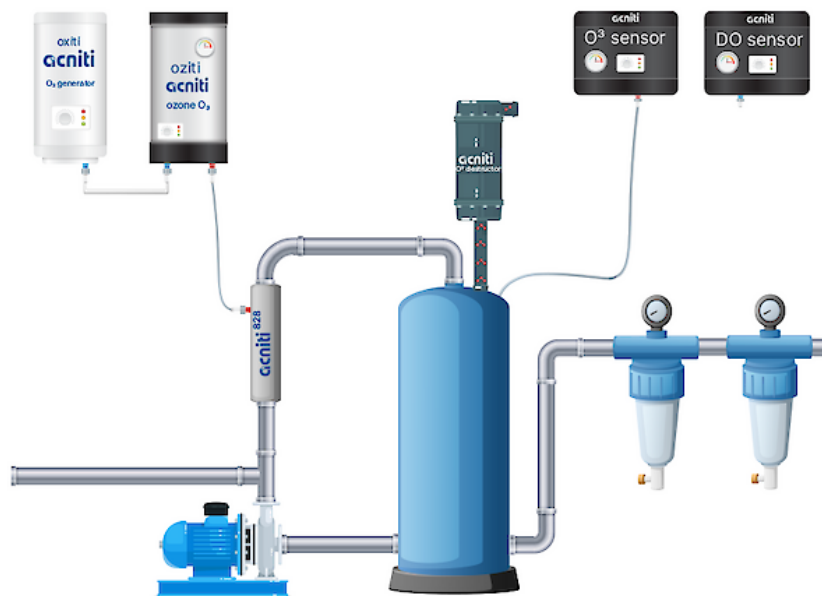
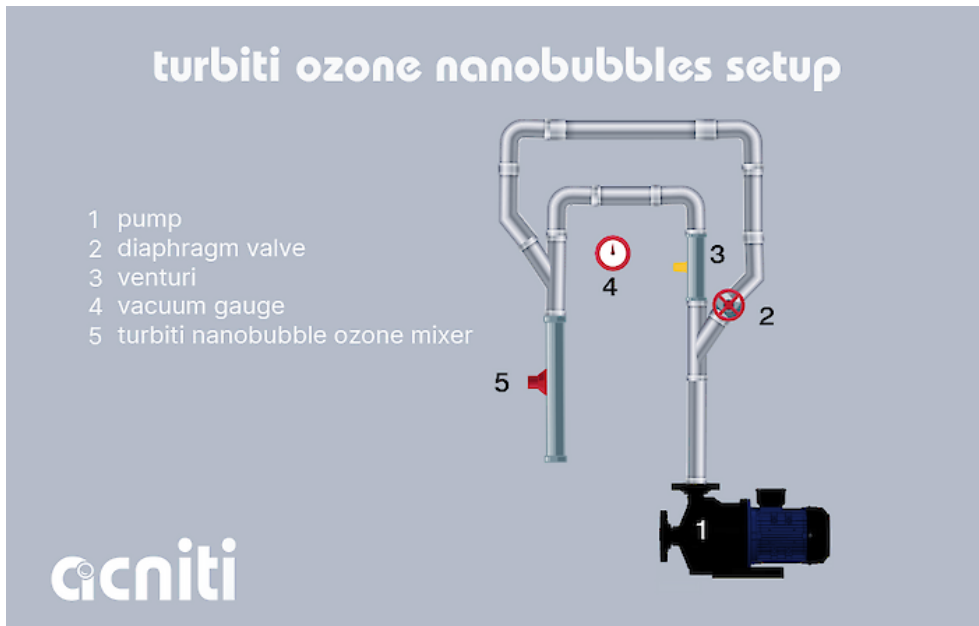
turbiti ozone nanobubbles enhanced swirl flow technology

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.

volumes by model

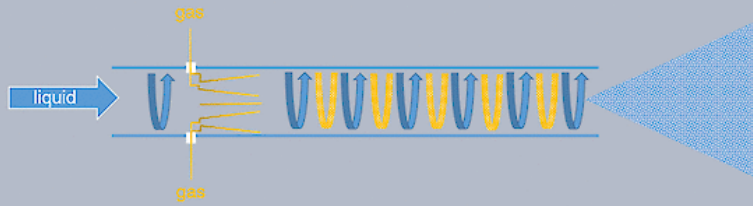
turbiti models	Water lpm	Gas lpm
707 / 808	9 - 15	0.45 - 0.75
626 / 727 / 828	75 - 150	3 - 5
636 / 737 / 838	150 - 400	5 - 8
646 / 747 / 848	400 - 600	8 - 24
858	800 - 1000	40 - 50

Note: Volumes are indications and depend on the pump and pressure in your system

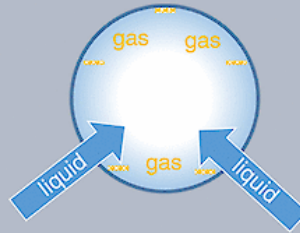


- Turbiti nanobubble mixer
- Turbiti O2 nanobubble mixer land based
- Turbiti submersible nanobubble mixer
- Turbiti O3 nanobubble mixer land based
- Swim Puriti O2 nanobubble mixer
- Swim Puriti O3 nanobubble mixer

side view turbiti static mixer with swirl flow technology



front view turbiti static mixer with swirl flow technology



turbiti 838 o3 ozone nanobubble mixer:

150-400 lpm | acniti

General		
1	Model name	Turbiti ozone nanobubble mixer
2	Model number	Turbiti 838 O3
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, 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 %
13	Relative humidity maximum	100 %
Gas	Metric	Imperial
14	Minimum flow / minute	5.0 Liter / 1.3 Gallon
15	Maximum flow / minute	8.0 Liter / 2.1 Gallon
16	Minimum flow / hour	300 Liter / 79 Gallon
17	Maximum flow / hour	480 Liter / 127 Gallon

Gas		Metric	Imperial
18	Pressure minimum	50 kPa	7 PSI
19	Pressure maximum	350 kPa	51 PSI
20	Gas quality	Suitable for ozone	
21	Gas remark		
Electrical		Metric	Imperial
22	Unit phase Ø voltage		
23	Unit power consumption	No pump included with this product. Estimated power consumption 750-1000 watts.	
24	Wetted parts	polycarbonate, PVC, EPDM rubber	
25	Pump model	Ozone resistant single stage centrifugal pumps	
26	Pump phase Ø voltage		
27	Pump phase Ø voltage 60Hz		
28	Pump pressure setting		
29	Control	No control	
Connections			
30	Water inlet	Rc 2", inner thread	
31	Water outlet	Rc 1", inner thread	
32	Gas inlet	via venturi	
Dimensions & weight		Metric	Imperial
33	Diameter x Length	106 x 482	4.2 x 19.0
34	weight	1.8 Kg	4.0 lbs.
35	Shipping dim. (w)x(d)x(h)	16 x 55 x 16 cm	6 x 22 x 6 inch
36	Shipping weight	4 Kg	9 lbs.

turbiti 808 o3 ozone nanobubble mixer: 9-15 lpm | acniti

General		
1	Model name	Turbiti ozone nanobubble mixer
2	Model number	Turbiti 808 O3
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	-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.
Ambient	Metric	Imperial
10	Ambient temperature minimum	-20 °C / -4 °F
11	Ambient temperature maximum	50 °C / 122 °F
12	Relative humidity minimum	0 %
13	Relative humidity maximum	100 %
Gas	Metric	Imperial
14	Minimum flow / minute	0.5 Liter / 0.1 Gallon
15	Maximum flow / minute	0.8 Liter / 0.2 Gallon
16	Minimum flow / hour	27 Liter / 7.1 Gallon
17	Maximum flow / hour	45 Liter / 12 Gallon

	Gas	Metric	Imperial
18	Pressure minimum	50 kPa	7 PSI
19	Pressure maximum	350 kPa	51 PSI
20	Gas quality	Suitable for ozone	
21	Gas remark		
	Electrical	Metric	Imperial
22	Unit phase Ø voltage		
23	Unit power consumption	No pump included with this product. Estimated power consumption 100-500 watts.	
24	Wetted parts	polycarbonate or ASA, PVC, EPDM rubber	
25	Pump model	Ozone resistant single stage centrifugal pumps	
26	Pump phase Ø voltage		
27	Pump phase Ø voltage 60Hz		
28	Pump pressure setting		
29	Control	No control	
Pump			
Connections			
30	Water inlet	10 mm push to connect fitting or 3/8" on request	
31	Water outlet	10 mm push to connect fitting or 3/8" on request	
32	Gas inlet	via venturi	
	Dimensions & weight	Metric	Imperial
33	Dim. (w) x (d) x (h)	120 x 180 x 140 mm	4.7 x 7.1 x 5.5 inch
34	weight	1.5 Kg	3.3 lbs.
35	Shipping dim. (w)x(d)x(h)	16 x 33 x 16 cm	6 x 13 x 6 inch
36	Shipping weight	2 Kg	4 lbs.

turbiti 828 o3 ozone nanobubble mixer:

75-150 lpm | acniti

General		
1	Model name	Turbiti ozone nanobubble mixer
2	Model number	turbiti_828_box304_venturi
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, 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 %
13	Relative humidity maximum	100 %
Gas	Metric	Imperial
14	Minimum flow / minute	3.0 Liter / 0.8 Gallon
15	Maximum flow / minute	5.0 Liter / 1.3 Gallon
16	Minimum flow / hour	180 Liter / 48 Gallon
17	Maximum flow / hour	300 Liter / 79 Gallon

	Gas	Metric	Imperial
18	Pressure minimum	50 kPa	7 PSI
19	Pressure maximum	350 kPa	51 PSI
20	Gas quality	Suitable for ozone	
21	Gas remark		
	Electrical	Metric	Imperial
22	Unit phase Ø voltage		
23	Unit power consumption	No pump included with this product. Estimated power consumption 500-750 watts.	
24	Wetted parts	polycarbonate or ASA, PVC, EPDM rubber	
25	Pump model	Ozone resistant single stage centrifugal pumps	
26	Pump phase Ø voltage		
27	Pump phase Ø voltage 60Hz		
28	Pump pressure setting		
29	Control	No control	
Connections			
30	Water inlet	Rc 1.25", inner thread	
31	Water outlet	Rc 3/4", inner thread	
32	Gas inlet	via venturi	
	Dimensions & weight	Metric	Imperial
33	Dim. (w) x (d) x (h)	120 x 422 x 116 mm	4.7 x 16.6 x 4.6 inch
34	weight	2.8 Kg	6.2 lbs.
35	HS code	8479.82.0040	
36	Shipping dim. (w)x(d)x(h)	55 x 16 x 16 cm	22 x 6 x 6 inch
37	Shipping weight	3 Kg	7 lbs.

turbiti 848 o3 ozone nanobubble mixer - 400-600 lpm | acniti

General		
1	Model name	Turbiti ozone nanobubble mixer
2	Model number	Turbiti 848 O3
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, 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 %
13	Relative humidity maximum	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	
21	Gas remark		
Electrical		Metric	Imperial
22	Unit phase Ø voltage		
23	Unit power consumption	No pump included with this product. Estimated power consumption 1500-2500 watts.	
24	Wetted parts	polycarbonate, PVC, EPDM rubber	
25	Pump model	Ozone resistant single stage centrifugal pumps	
26	Pump phase Ø voltage		
27	Pump phase Ø voltage 60Hz		
28	Pump pressure setting		
29	Control	No control	
Connections			
30	Water inlet	Rc2", inner thread	
31	Water outlet	40 mm or 1.5 inch threaded connection	
32	Gas inlet	via venturi	
Dimensions & weight		Metric	Imperial
33	Dim. (w) x (d) x (h)	720 x 105 x 105 mm	28.3 x 4.1 x 4.1 inch
34	weight	5 Kg	11.0 lbs.
35	Shipping dim. (w)x(d)x(h)	84 x 25 x 26 cm	33 x 10 x 10 inch
36	Shipping weight	5.5 Kg	12 lbs.

turbiti 858 o3 ozone nanobubble mixer:

800-1200 lpm | acniti

General		
1	Model name	Turbiti ozone nanobubble mixer
2	Model number	turbiti_858_oem_venturi
Liquid	Metric	Imperial
3	Minimum flow / minute	800 Liter 211 Gallon
4	Maximum flow / minute	1,200.0 Liter 317 Gallon
5	Minimum flow / hour	48 M3 1,695 CF
6	Maximum flow / hour	72 M3 2,543 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 5 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 %
13	Relative humidity maximum	100 %
Gas	Metric	Imperial
14	Minimum flow / minute	0.0 M3 1.0 CF
15	Maximum flow / minute	0.0 M3 1.1 CF
16	Minimum flow / hour	1.7 M3 59 CF
17	Maximum flow / hour	1.9 M3 68 CF

Gas		Metric	Imperial
18	Pressure minimum	140 kPa	20 PSI
19	Pressure maximum	350 kPa	51 PSI
20	Gas quality	Suitable for ozone	
21	Gas remark		
Electrical		Metric	Imperial
22	Unit phase Ø voltage		
23	Unit power consumption		
24	Wetted parts	polycarbonate, PVC, EPDM rubber	
25	Pump model	Ozone resistant single stage centrifugal pumps	
26	Pump phase Ø voltage		
27	Pump phase Ø voltage 60Hz		
28	Pump pressure setting		
29	Control	No control	
Connections			
30	Water inlet	Rc3", outer thread	
31	Water outlet	Rc2", inner thread	
32	Gas inlet	via venturi	
Dimensions & weight		Metric	Imperial
33	weight	11.1 Kg	24.5 lbs.
34	HS code	8479.82.0040	
35	Shipping dim. (w)x(d)x(h)	84 x 25 x 26 cm	33 x 10 x 10 inch
36	Shipping weight	12 Kg	26 lbs.