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

turbiti wall mount ozone

The ozone nanobubble mixer is a nanobubble generator which is specifically designed for the use with ozone. Research with universities has shown, that ozonated nanobubble water, keeps longer its ozone residue in the water than when it is used only with a venturi also the amount of ozone gassing out is reduced.

turbiti wall mount ozone

turbiti ozone wall mounted nanobubble mixer with enhanced aeration technology

Deprecated: mb_convert_encoding(): Handling HTML entities via mbstring is deprecated; use htmlspecialchars, htmlentities, or mb_encode_numericentity/mb_decode_numericentity instead in **/var/www/cpw/site/modules/ProductPdf/ProductPdf.module.php** on line **762**

- Clean Tech – chemical free cleaning solutions
- more efficient mass transfer of ozone and higher concentrations of dissolved ozone compared to using a venturi
- using the turbiti total mass transfer coefficient was 1.8 times higher than using a venturi
- maximizing the ozone surface area-to-volume ratio
- use a stimulus and create a hydroxyl radical attack from ozone
- enhanced ozonation by using the ozone nanobubbles mixer
- use for disinfection of drinking water for animals

ozone nanobubble equipment

The ultrafine ozone bubble mixer is a nanobubble generator which is specifically designed for the use with ozone. Ozone is a powerful oxidant and has many industrial and consumer applications related to oxidation. The main application for ozone is disinfection, but ozone can also be used as a decolorizer, deodorizer, detoxifier, precipitant, coagulant and for removing tastes.

As nanobubbles become more mainstream, our clients have a need for an easy and safe setup for working with ozone gas. The ozone mixer unit contains a nanobubble mixer with a venturi which takes in the ozone under vacuum. The venturi is considered safe and commonly used in the industry to inject ozone into water. After the venturi has injected the ozone, the water and gas jointly get into the nanobubble mixer, where the ozone bubbles are generated.

research

Research with universities has shown, that ozonated nanobubble water, keeps longer its ozone residue in the water than when it is used only with a venturi also the amount of ozone gassing out is reduced.

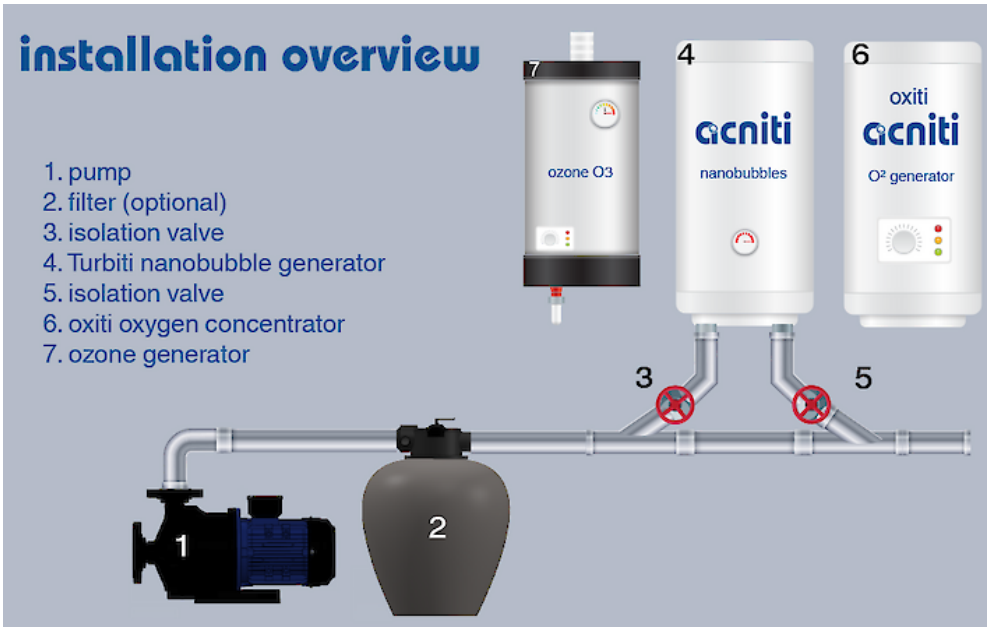
clean-tech

The ozone nanobubble generator is suitable for many clean tech applications, especially when longer ozone exposure is required.

- Disinfection for water installations of greenhouses and hydroponics.

- Disinfection for drinking water for livestock, cattle, pork, pigs, poultry, chicken.
- Ozonation for wastewater installations.

The installation of the ozone nanobubble mixer is simple by connecting the water inlet and outlet and connect the ozone gas inlet tube. The unit itself doesn't require any power.



turbiti 838 o3 nanobubble mixer wall mounted specs

	Description	Metric	Imperial
1	Model name	Turbiti 838 O3 wall mounted	Turbiti 838 O3 wall mounted
2	Model number	turbiti_838_wallmount_galvanized-box	turbiti_838_wallmount_galvanized-box
	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	40 °C	104 °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	40 °C	104 °F
13	Relative humidity minimum	1 %	1 %
14	Relative humidity maximum	100 %	100 %
	Gas	**Metric**	**Imperial**

	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
18	Maximum flow / hour	480 Liter	127 Gallon
19	Pressure minimum	100 kPa	15 PSI
20	Pressure maximum	350 kPa	51 PSI
21	Gas quality	Suitable for ozone	Suitable for ozone
22	Gas remark	Safe ozone injection via a venturi under vacuum	Safe ozone injection via a venturi under vacuum
	Electrical	**Metric**	**Imperial**
23	Unit phase Ø voltage		
24	Unit power consumption	No pump included with this product. Estimated power consumption 750-2 000 watts.	No pump included with this product. Estimated power consumption 750-2 000 watts.
25	Wetted parts	PVC, SUS304, SUS316, PVDF, EPDM, Silicon, Viton, PPS, FKM	PVC, SUS304, SUS316, PVDF, EPDM, Silicon, Viton, PPS, FKM
26	Pump model		
27	Pump phase Ø voltage		
28	Pump phase Ø voltage 60Hz		
29	Pump pressure setting		
30	Control	Manual control with diaphragm valve to set venturi-vacuum accompanied with a vacuum gauge	Manual control with diaphragm valve to set venturi-vacuum accompanied with a vacuum gauge
	Connections	**Metric**	**Imperial**
31	Water inlet	Rc 2", inner thread	Rc 2", inner thread
32	Water outlet	Rc 1", inner thread	Rc 1", inner thread
33	Gas inlet	10mm or 3/8" ferulle fitting SUS316	10mm or 3/8" ferulle fitting SUS316

	Dimensions & weight	Metric	Imperial
34	Dim. (w) x (d) x (h)	650 x 270 x 1014 mm	25.6 x 10.6 x 39.9 inch
35	weight	42 Kg	92.6 lbs.
36	Shipping dim. (w)x(d)x(h)	67 x 37 x 107 cm	26 x 15 x 42 inch
37	Shipping weight	47 Kg	104 lbs.

turbiti 828 o3 nanobubble mixer wall mounted specs

	Description	Metric	Imperial
1	Model name	Turbiti 828 O3 wall mounted	Turbiti 828 O3 wall mounted
2	Model number	turbiti_828_wallmount_galvanized-box	turbiti_828_wallmount_galvanized-box
	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	40 °C	104 °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	40 °C	104 °F
13	Relative humidity minimum	1 %	1 %
14	Relative humidity maximum	100 %	100 %
	Gas	**Metric**	**Imperial**

	Gas	Metric	Imperial
15	Minimum flow / minute	3.0 Liter	0.8 Gallon
16	Maximum flow / minute	5.0 Liter	1.3 Gallon
17	Minimum flow / hour	180 Liter	48 Gallon
18	Maximum flow / hour	300 Liter	79 Gallon
19	Pressure minimum	100 kPa	15 PSI
20	Pressure maximum	350 kPa	51 PSI
21	Gas quality	Suitable for ozone	Suitable for ozone
22	Gas remark	Safe ozone injection via a venturi under vacuum	Safe ozone injection via a venturi under vacuum
	Electrical	**Metric**	**Imperial**
23	Unit phase Ø voltage		
24	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.
25	Wetted parts	PVC, SUS304, SUS316, PVDF, EPDM, Silicon, Viton, PPS, FKM	PVC, SUS304, SUS316, PVDF, EPDM, Silicon, Viton, PPS, FKM
26	Pump model		
27	Pump phase Ø voltage		
28	Pump phase Ø voltage 60Hz		
29	Pump pressure setting		
30	Control	Manual control with diaphragm valve to set venturi-vacuum accompanied with a vacuum gauge	Manual control with diaphragm valve to set venturi-vacuum accompanied with a vacuum gauge
	Connections	**Metric**	**Imperial**
31	Water inlet	Rc 1.1/4", inner thread	Rc 1.1/4", inner thread
32	Water outlet	Rc 3/4", inner thread	Rc 3/4", inner thread
33	Gas inlet	10mm or 3/8" ferrule fitting from SUS316	10mm or 3/8" ferrule fitting from SUS316

	Dimensions & weight	Metric	Imperial
34	Dim. (w) x (d) x (h)	650 x 270 x 1014 mm	25.6 x 10.6 x 39.9 inch
35	weight	40 Kg	88.2 lbs.
36	Shipping dim. (w)x(d)x(h)	67 x 37 x 107 cm	26 x 15 x 42 inch
37	Shipping weight	45 Kg	99 lbs.