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oxiti ozone: psa ozone generator with o₂ feed | acniti

The Oxiti Ozone is a compact PSA ozone generator with a built-in oxygen feed, producing up to 8 LPM of high-purity oxygen and up to 20 g/h of ozone from a single unit. The integrated PSA system guarantees stable, high-concentration ozone output without external oxygen supply. Built for water treatment, aquaculture research, and industrial disinfection.

oxiti ozone: psa ozone generator with o2 feed

| acniti

oxiti ozone industrial psa ozone generator - integrated oxygen feed

- ✓ ozone concentration easily adjusted with the volume control knob on the front panel
- ✓ Ozone generation method: Dielectric discharge method
- ✓ Industrial ozone generator for aquaculture
- ✓ Oxygen-fed ozone system for water purification
- ✓ Ozone generation for cooling towers

combined o3 and o2 production

The Acniti Oxiti ozone is an industrial ozone generator with an oxygen concentrator unit that generates ozone from oxygen. Oxygen as a raw material is required to produce a high-concentration ozone gas. The Oxiti ozone generator has a built-in PSA oxygen generator and therefore guarantees an optimal ozone output. The combined oxygen and ozone generator is compact and can generate ozone immediately. Depending on the selected model, from 5-20 gram / per hour. The unit has a switch that can stop ozone production, so only 90% plus oxygen is produced. The ozone generator is built from the best materials such as glass, titanium, and fluoroplastics, thus the ozone gas doesn't come in contact with any metals, it's free from any metal ions.

usage and industries

The oxygen generator with an incorporated ozone generator is excellent for research applications where ozone needs to be produced without any contamination. The oxiti ozone can also be used as an ozone supply source for incorporation into water treatment equipment. The principal feature of Oxiti ozone is it can generate high-concentration ozone at a low flow rate. Due to this feature, it is possible to combine it with micro and nanobubble devices and to enable efficient ozone water generation. Acniti can also supply nanobubble generators suitable for ozone gas, check our microStar ozone nanobubble generator or Turbiti ozone and Turbiti land-based nanobubble mixer.

high-quality materials

The Oxiti ozone generator has a quartz glass ozone cell, which is sturdy, hard, and

compact. The quartz glass generator has a service life of 16,000 hours, compare that with a ceramic plate ozone generator which only lasts 3,000 to 5,000 hours. Apart from the glass and the dielectric, the fittings are made from fluoroplastics, the tubing is made from FEP (fluorinated ethylene propylene), and the fittings from PTFE (Polytetrafluoroethylene).

oxiti ozone: psa generator 8 lpm 12 g/h 100v | acniti

General		
1	Model name	Oxiti Ozone Industrial PSA Ozone Generator - Integrated Oxygen Feed
2	Model number	OXITI-08-O3-12G-100
Ambient	Metric	Imperial
3	Ambient temperature minimum	10 °C 50 °F
4	Ambient temperature maximum	40 °C 104 °F
5	Relative humidity minimum	15 %
6	Relative humidity maximum	90 %
Gas	Metric	Imperial
7	Minimum flow / minute	2.0 Liter 0.5 Gallon
8	Maximum flow / minute	8.0 Liter 2.1 Gallon
9	Minimum flow / hour	120 Liter 32 Gallon
10	Maximum flow / hour	480 Liter 127 Gallon
11	Pressure	103 kPa 15 PSI
12	Gas quality	87% to 96% Oxygen
13	Gas remark	ambient air
Electrical	Metric	Imperial
14	Unit phase Ø voltage	1 Ø 100 VAC 50/60 Hz
15	Unit power consumption	500 watts
16	Wetted parts	
Connections		

Connections		
17	Water inlet	
18	Water outlet	
19	Gas inlet	10 mm push to connect fitting or 3/8" on request
Dimensions & weight		
	Metric	Imperial
20	Dim. (w) x (d) x (h)	460 x 444 x 695 mm / 18.1 x 17.5 x 27.4 inch
21	weight	33.5 Kg / 73.9 lbs.
22	HS code	8421.39
23	Shipping dim. (w)x(d)x(h)	62 x 54.5 x 760 cm / 24 x 21 x 299 inch
24	Shipping weight	35 Kg / 77 lbs.
Remarks		
25	Other remarks	<ul style="list-style-type: none"> ✓ Altitude 21 degrees up to 1500 meter (5000 ft) without degradation, contact us for more information regarding 1,500 m to 4,000 m (5,000 - 13,000 ft) ✓ Storage temperature from - 20 °C to 60 °C (0°F to 140 °F) ✓ unprotected or inadequately ventilated environment or improper control power may cause damage to the oxygen concentrator and is not covered under warranty.

oxiti ozone: psa generator 5 lpm 12 g/h 100v | acniti

General		
1	Model name	Oxiti Ozone Industrial PSA Ozone Generator - Integrated Oxygen Feed
2	Model number	OXITI-05-O3-12G-100
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3	Ambient temperature minimum	10 °C / 50 °F
4	Ambient temperature maximum	40 °C / 104 °F
5	Relative humidity minimum	15 %
6	Relative humidity maximum	90 %
Gas	Metric	Imperial
7	Minimum flow / minute	1.0 Liter / 0.3 Gallon
8	Maximum flow / minute	5.0 Liter / 1.3 Gallon
9	Minimum flow / hour	60 Liter / 16 Gallon
10	Maximum flow / hour	300 Liter / 79 Gallon
11	Pressure	103 kPa / 15 PSI
12	Gas quality	87% to 96% Oxygen
13	Gas remark	ambient air
Electrical	Metric	Imperial
14	Unit phase Ø voltage	1 Ø 100 VAC 50/60 Hz
15	Unit power consumption	500 watts
16	Wetted parts	
Connections		

Connections		
17	Water inlet	
18	Water outlet	
19	Gas inlet	10 mm push to connect fitting or 6mm on request
Dimensions & weight		
	Metric	Imperial
20	Dim. (w) x (d) x (h)	460 x 444 x 695 mm / 18.1 x 17.5 x 27.4 inch
21	weight	33.5 Kg / 73.9 lbs.
22	HS code	8421.39
23	Shipping dim. (w)x(d)x(h)	62 x 54.5 x 760 cm / 24 x 21 x 299 inch
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oxiti ozone: psa generator 5 lpm 20 g/h 100v | acniti

General		
1	Model name	Oxiti Ozone Industrial PSA Ozone Generator - Integrated Oxygen Feed
2	Model number	OXITI-05-O3-20G-100
Ambient	Metric	Imperial
3	Ambient temperature minimum	10 °C / 50 °F
4	Ambient temperature maximum	40 °C / 104 °F
5	Relative humidity minimum	15 %
6	Relative humidity maximum	90 %
Gas	Metric	Imperial
7	Minimum flow / minute	1.0 Liter / 0.3 Gallon
8	Maximum flow / minute	5.0 Liter / 1.3 Gallon
9	Minimum flow / hour	60 Liter / 16 Gallon
10	Maximum flow / hour	300 Liter / 79 Gallon
11	Pressure	103 kPa / 15 PSI
12	Gas quality	87% to 96% Oxygen
13	Gas remark	ambient air
Electrical	Metric	Imperial
14	Unit phase Ø voltage	1 Ø 100 VAC 50/60 Hz
15	Unit power consumption	650 watts
16	Wetted parts	
Connections		

Connections		
17	Water inlet	
18	Water outlet	
19	Gas inlet	10 mm push to connect fitting or 3/8" on request
Dimensions & weight		
	Metric	Imperial
20	Dim. (w) x (d) x (h)	460 x 444 x 695 mm / 18.1 x 17.5 x 27.4 inch
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oxiti ozone: psa generator 8 lpm 20 g/h 200v | acniti

General		
1	Model name	Oxiti Ozone Industrial PSA Ozone Generator - Integrated Oxygen Feed
2	Model number	OXITI-08-03-20G-200
Ambient	Metric	Imperial
3	Ambient temperature minimum	10 °C / 50 °F
4	Ambient temperature maximum	40 °C / 104 °F
5	Relative humidity minimum	15 %
6	Relative humidity maximum	90 %
Gas	Metric	Imperial
7	Minimum flow / minute	2.0 Liter / 0.5 Gallon
8	Maximum flow / minute	8.0 Liter / 2.1 Gallon
9	Minimum flow / hour	120 Liter / 32 Gallon
10	Maximum flow / hour	480 Liter / 127 Gallon
11	Pressure	35 kPa / 5 PSI
12	Gas quality	87% to 96% Oxygen
13	Gas remark	ambient air
Electrical	Metric	Imperial
14	Unit phase Ø voltage	1 Ø 200 VAC 50/60 Hz
15	Unit power consumption	650 watts
16	Wetted parts	
Connections		

Connections		
17	Water inlet	
18	Water outlet	
19	Gas inlet	10 mm push to connect fitting or 3/8" on request
Dimensions & weight		
	Metric	Imperial
20	Dim. (w) x (d) x (h)	460 x 444 x 695 mm / 18.1 x 17.5 x 27.4 inch
21	weight	33.5 Kg / 73.9 lbs.
22	HS code	8421.39
23	Shipping dim. (w)x(d)x(h)	62 x 54.5 x 760 cm / 24 x 21 x 299 inch
24	Shipping weight	35 Kg / 77 lbs.
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oxiti ozone: psa generator 8 lpm 12 g/h 115v | acniti

General		
1	Model name	Oxiti Ozone Industrial PSA Ozone Generator - Integrated Oxygen Feed
2	Model number	OXITI-08-O3-12G-115
Ambient	Metric	Imperial
3	Ambient temperature minimum	10 °C 50 °F
4	Ambient temperature maximum	40 °C 104 °F
5	Relative humidity minimum	15 %
6	Relative humidity maximum	90 %
Gas	Metric	Imperial
7	Minimum flow / minute	2.0 Liter 0.5 Gallon
8	Maximum flow / minute	8.0 Liter 2.1 Gallon
9	Minimum flow / hour	120 Liter 32 Gallon
10	Maximum flow / hour	480 Liter 127 Gallon
11	Pressure	35 kPa 5 PSI
12	Gas quality	
13	Gas remark	
Electrical	Metric	Imperial
14	Unit phase Ø voltage	1 Ø 115 VAC 60 Hz
15	Unit power consumption	500 watts
16	Wetted parts	
Connections		

Connections		
17	Water inlet	
18	Water outlet	
19	Gas inlet	10 mm push to connect fitting or 3/8" on request
Dimensions & weight		
	Metric	Imperial
20	Dim. (w) x (d) x (h)	460 x 444 x 695 mm / 18.1 x 17.5 x 27.4 inch
21	weight	33.5 Kg / 73.9 lbs.
22	HS code	8421.39
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24	Shipping weight	35 Kg / 77 lbs.
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oxiti ozone: psa generator 5 lpm 12 g/h 115v | acniti

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2	Model number	OXITI-05-O3-12G-115
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3	Ambient temperature minimum	10 °C / 50 °F
4	Ambient temperature maximum	40 °C / 104 °F
5	Relative humidity minimum	15 %
6	Relative humidity maximum	90 %
Gas	Metric	Imperial
7	Minimum flow / minute	1.0 Liter / 0.3 Gallon
8	Maximum flow / minute	5.0 Liter / 1.3 Gallon
9	Minimum flow / hour	60 Liter / 16 Gallon
10	Maximum flow / hour	300 Liter / 79 Gallon
11	Pressure	35 kPa / 5 PSI
12	Gas quality	
13	Gas remark	
Electrical	Metric	Imperial
14	Unit phase Ø voltage	1 Ø 115 VAC 60 Hz
15	Unit power consumption	500 watts
16	Wetted parts	
Connections		

Connections		
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oxiti ozone: psa generator 8 lpm 20 g/h 115v | acniti

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9	Minimum flow / hour	120 Liter 32 Gallon
10	Maximum flow / hour	480 Liter 127 Gallon
11	Pressure	35 kPa 5 PSI
12	Gas quality	
13	Gas remark	
Electrical	Metric	Imperial
14	Unit phase Ø voltage	1 Ø 115 VAC 60 Hz
15	Unit power consumption	650 watts
16	Wetted parts	
Connections		

Connections		
17	Water inlet	
18	Water outlet	
19	Gas inlet	10 mm push to connect fitting or 3/8" on request
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8	Maximum flow / minute	5.0 Liter / 1.3 Gallon
9	Minimum flow / hour	60 Liter / 16 Gallon
10	Maximum flow / hour	300 Liter / 79 Gallon
11	Pressure	35 kPa / 5 PSI
12	Gas quality	
13	Gas remark	
Electrical	Metric	Imperial
14	Unit phase Ø voltage	1 Ø 115 VAC 60 Hz
15	Unit power consumption	650 watts
16	Wetted parts	
Connections		

Connections		
17	Water inlet	
18	Water outlet	
19	Gas inlet	10 mm push to connect fitting or 3/8" on request
Dimensions & weight		
	Metric	Imperial
20	Dim. (w) x (d) x (h)	460 x 444 x 695 mm / 18.1 x 17.5 x 27.4 inch
21	weight	33.5 Kg / 73.9 lbs.
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oxiti ozone: psa generator 8 lpm 12 g/h 230v | acniti

General		
1	Model name	Oxiti Ozone Industrial PSA Ozone Generator - Integrated Oxygen Feed
2	Model number	OXITI-08-O3-12G-230
Ambient	Metric	Imperial
3	Ambient temperature minimum	10 °C / 50 °F
4	Ambient temperature maximum	40 °C / 104 °F
5	Relative humidity minimum	15 %
6	Relative humidity maximum	90 %
Gas	Metric	Imperial
7	Minimum flow / minute	2.0 Liter / 0.5 Gallon
8	Maximum flow / minute	8.0 Liter / 2.1 Gallon
9	Minimum flow / minute	2.0 Liter / 0.5 Gallon
10	Maximum flow / minute	8.0 Liter / 2.1 Gallon
11	Minimum flow / hour	120 Liter / 32 Gallon
12	Maximum flow / hour	480 Liter / 127 Gallon
13	Minimum flow / hour	120 Liter / 32 Gallon
14	Maximum flow / hour	480 Liter / 127 Gallon
15	Pressure 50 Hz	35 kPa / 5 PSI
16	Pressure 60 Hz	35 kPa / 5 PSI
17	Gas quality	
18	Gas remark	

	Electrical	Metric	Imperial
19	Unit phase Ø voltage	1 Ø 230 VAC 50/60 Hz	
20	Unit power consumption	500 watts	
21	Wetted parts	Quartz glass, PFA, PTFE	
Connections			
22	Water inlet		
23	Water outlet		
24	Gas inlet	10 mm push to connect fitting or 3/8" on request	
	Dimensions & weight	Metric	Imperial
25	Dim. (w) x (d) x (h)	460 x 444 x 695 mm	18.1 x 17.5 x 27.4 inch
26	weight	33.5 Kg	73.9 lbs.
27	HS code	8421.39	
28	Shipping dim. (w)x(d)x(h)	62 x 54.5 x 76 cm	24 x 21 x 30 inch
29	Shipping weight	35 Kg	77 lbs.
Remarks			
30	Other remarks	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Aircooled <input checked="" type="checkbox"/> Energy consumption 80 watt for ozone generator only 	

oxiti ozone: psa generator 5 lpm 12 g/h 230v | acniti

General		
1	Model name	Oxiti Ozone Industrial PSA Ozone Generator - Integrated Oxygen Feed
2	Model number	OXITI-05-O3-5G-230
Ambient	Metric	Imperial
3	Ambient temperature minimum	10 °C / 50 °F
4	Ambient temperature maximum	40 °C / 104 °F
5	Relative humidity minimum	15 %
6	Relative humidity maximum	90 %
Gas	Metric	Imperial
7	Minimum flow / minute	2.0 Liter / 0.5 Gallon
8	Maximum flow / minute	8.0 Liter / 2.1 Gallon
9	Minimum flow / minute	2.0 Liter / 0.5 Gallon
10	Maximum flow / minute	8.0 Liter / 2.1 Gallon
11	Minimum flow / hour	120 Liter / 32 Gallon
12	Maximum flow / hour	480 Liter / 127 Gallon
13	Minimum flow / hour	120 Liter / 32 Gallon
14	Maximum flow / hour	480 Liter / 127 Gallon
15	Pressure 50 Hz	35 kPa / 5 PSI
16	Pressure 60 Hz	35 kPa / 5 PSI
17	Gas quality	
18	Gas remark	

	Electrical	Metric	Imperial
19	Unit phase Ø voltage	1 Ø 230 VAC 50/60 Hz	
20	Unit power consumption	500 watts	
21	Wetted parts	Quartz glass, PFA, PTFE	
Connections			
22	Water inlet		
23	Water outlet		
24	Gas inlet	10 mm push to connect fitting or 3/8" on request	
	Dimensions & weight	Metric	Imperial
25	Dim. (w) x (d) x (h)	460 x 444 x 695 mm	18.1 x 17.5 x 27.4 inch
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29	Shipping weight	35 Kg	77 lbs.
Remarks			
30	Other remarks	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Aircooled <input checked="" type="checkbox"/> Energy consumption 80 watt for ozone generator only 	

oxiti ozone: psa generator 8 lpm 20 g/h 230v | acniti

General		
1	Model name	Oxiti Ozone Industrial PSA Ozone Generator - Integrated Oxygen Feed
2	Model number	OXITI-08-03-20G-230
Ambient	Metric	Imperial
3	Ambient temperature minimum	10 °C / 50 °F
4	Ambient temperature maximum	40 °C / 104 °F
5	Relative humidity minimum	15 %
6	Relative humidity maximum	90 %
Gas	Metric	Imperial
7	Minimum flow / minute	2.0 Liter / 0.5 Gallon
8	Maximum flow / minute	8.0 Liter / 2.1 Gallon
9	Minimum flow / minute	2.0 Liter / 0.5 Gallon
10	Maximum flow / minute	8.0 Liter / 2.1 Gallon
11	Minimum flow / hour	120 Liter / 32 Gallon
12	Maximum flow / hour	480 Liter / 127 Gallon
13	Minimum flow / hour	120 Liter / 32 Gallon
14	Maximum flow / hour	480 Liter / 127 Gallon
15	Pressure 50 Hz	35 kPa / 5 PSI
16	Pressure 60 Hz	35 kPa / 5 PSI
17	Gas quality	
18	Gas remark	

	Electrical	Metric	Imperial
19	Unit phase Ø voltage	1 Ø 230 VAC 50/60 Hz	
20	Unit power consumption	650 watts	
21	Wetted parts	Quartz glass, PFA, PTFE	
Connections			
22	Water inlet		
23	Water outlet		
24	Gas inlet	10 mm push to connect fitting or 3/8" on request	
	Dimensions & weight	Metric	Imperial
25	Dim. (w) x (d) x (h)	460 x 444 x 695 mm	18.1 x 17.5 x 27.4 inch
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27	HS code	8421.39	
28	Shipping dim. (w)x(d)x(h)	62 x 54.5 x 76 cm	24 x 21 x 30 inch
29	Shipping weight	35 Kg	77 lbs.
Remarks			
30	Other remarks	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Aircooled <input checked="" type="checkbox"/> Energy consumption 250 watt for ozone generator only 	

oxiti ozone: psa generator 5 lpm 20 g/h 230v | acniti

General		
1	Model name	Oxiti Ozone Industrial PSA Ozone Generator - Integrated Oxygen Feed
2	Model number	OXITI-05-O3-20G-230
Ambient	Metric	Imperial
3	Ambient temperature minimum	10 °C / 50 °F
4	Ambient temperature maximum	40 °C / 104 °F
5	Relative humidity minimum	15 %
6	Relative humidity maximum	90 %
Gas	Metric	Imperial
7	Minimum flow / minute	1.0 Liter / 0.3 Gallon
8	Maximum flow / minute	5.0 Liter / 1.3 Gallon
9	Minimum flow / minute	1.0 Liter / 0.3 Gallon
10	Maximum flow / minute	5.0 Liter / 1.3 Gallon
11	Minimum flow / hour	60 Liter / 16 Gallon
12	Maximum flow / hour	300 Liter / 79 Gallon
13	Minimum flow / hour	60 Liter / 16 Gallon
14	Maximum flow / hour	300 Liter / 79 Gallon
15	Pressure 50 Hz	35 kPa / 5 PSI
16	Pressure 60 Hz	35 kPa / 5 PSI
17	Gas quality	
18	Gas remark	

	Electrical	Metric	Imperial
19	Unit phase Ø voltage	1 Ø 230 VAC 50/60 Hz	
20	Unit power consumption	650 watts	
21	Wetted parts	Quartz glass, PFA, PTFE	
Connections			
22	Water inlet		
23	Water outlet		
24	Gas inlet	10 mm push to connect fitting or 3/8" on request	
	Dimensions & weight	Metric	Imperial
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30	Other remarks	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Aircooled <input checked="" type="checkbox"/> Energy consumption 250 watt for ozone generator only 	