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oxiti aerator 100: air pump for nanobubble systems | acniti

The Oxiti Aerator 100 is a high-capacity industrial air pump designed to feed nanobubble generators in deep-water installations. It delivers 40-100 LPM of clean air at depths up to 6 meters, enabling continuous oxygen dissolution and nanobubble generation. Oil-free and maintenance-free for up to 15,000 hours, it's built for continuous aquaculture, water treatment, and aeration operations.



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high-flow industrial air pump for nanobubble generators

- Strong high quality aerator pump for continuous operation
- Depending on air injection depth an airflow of 100 - 40 liters per minute
- Built of quality components international renowned companies
- Air injection possible up to a depth of 6 meters, when used with a venturi larger depths possible.
- Available in single phase 100 - 115 Volt or 200 - 240 volt

nanobubble aerator

When an oxygen concentrator is not a practical solution, Acniti offers an aerator that can supply large quantities of air to a nanobubble generator. It's possible to place, for example, a Turbiti 747 nanobubble generator at a depth of 6 meters, and the Oxiti aerator will supply 40 liters of air per minute. Dissolving oxygen into the water and also creating large quantities of nanobubbles. The Oxiti aerator is oilless and maintenance-free for approximately 10,000 to 15,000 hours. The only regular maintenance required is changing the air inlet filter.

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oxiti aerator 100 lpm: industrial air pump specs | acniti

	General		
1	Model name	High-Flow Industrial Air Pump for Nanobubble Generators	
2	Model number	oxiti-100-aerator	
	Liquid	**Metric**	**Imperial**
3	Strainer availability and size		
	Gas	**Metric**	**Imperial**
4	Minimum flow / minute	0.1 M3	2.1 CF
5	Maximum flow / minute	0 M3	3.5 CF
6	Minimum flow / minute	0.1 M3	2.5 CF
7	Maximum flow / minute	0.1 M3	4.2 CF
8	Minimum flow / hour	3.6 M3	127 CF
9	Maximum flow / hour	6.0 M3	212 CF
10	Minimum flow / hour	4.2 M3	148 CF
11	Maximum flow / hour	7.2 M3	254 CF
12	Pressure minimum 50 Hz	1 kPa	0 PSI
13	Pressure maximum 50 Hz	400 kPa	58 PSI
14	Pressure minimum 60 Hz	1 kPa	0 PSI
15	Pressure maximum 60 Hz	400 kPa	58 PSI
16	Gas quality		
17	Gas remark	Clean Air	
	Electrical	**Metric**	**Imperial**

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	Electrical	Metric	Imperial
18	Unit phase Ø voltage		
19	Unit power consumption		
20	Wetted parts		
21	Pump model		
22	Pump phase Ø voltage	Model either 100 to 127V or 200 to 240V	
23	Pump motor 50Hz	550 Watt	0.7 hp
24	Pump motor 60Hz	650 Watt	0.9 hp
25	Pump phase Ø voltage 60Hz	Model either 100 to 127V or 200 to 240V	
26	Pump pressure setting		
27	Control		
	Connections		
28	Water inlet		
29	Water outlet		
30	Gas inlet	10 mm push to connect fitting or 3/8" on request	
	Dimensions & weight	**Metric**	**Imperial**
31	Dim. (w) x (d) x (h)	270 x 550 x 450 mm	10.6 x 21.7 x 17.7 inch
32	weight	19 Kg	41.9 lbs.
33	HS code	8421.39	
34	Shipping dim. (w)x(d)x(h)	36 x 61 x 46 cm	14 x 24 x 18 inch
35	Shipping weight	22 Kg	49 lbs.

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oxiti aerator 34 lpm: industrial air pump specs | acniti

	General		
1	Model name	High-Flow Industrial Air Pump for Nanobubble Generators	
2	Model number	oxiti-34-aerator-230V	
	Liquid	**Metric**	**Imperial**
3	Strainer availability and size		
	Gas	**Metric**	**Imperial**
4	Minimum flow / minute	0.0 M3	0.6 CF
5	Maximum flow / minute	0 M3	1.2 CF
6	Minimum flow / minute	0.0 M3	0.7 CF
7	Maximum flow / minute	0.0 M3	1.4 CF
8	Minimum flow / hour	1.0 M3	36 CF
9	Maximum flow / hour	2.0 M3	72 CF
10	Minimum flow / hour	1.2 M3	42 CF
11	Maximum flow / hour	2.4 M3	85 CF
12	Pressure minimum 50 Hz	1 kPa	0 PSI
13	Pressure maximum 50 Hz	600 kPa	87 PSI
14	Pressure minimum 60 Hz	1 kPa	0 PSI
15	Pressure maximum 60 Hz	600 kPa	87 PSI
16	Gas quality		
17	Gas remark	Clean Air	
	Electrical	**Metric**	**Imperial**

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	Electrical	Metric	Imperial
18	Unit phase Ø voltage		
19	Unit power consumption		
20	Wetted parts		
21	Pump model		
22	Pump phase Ø voltage	1Ø AC220-240/50Hz	
23	Pump motor 50Hz	350 Watt	0.5 hp
24	Pump motor 60Hz	400 Watt	0.5 hp
25	Pump phase Ø voltage 60Hz	1Ø AC230/60Hz	
26	Pump pressure setting		
27	Control		
	Connections		
28	Water inlet		
29	Water outlet		
30	Gas inlet	10 mm push to connect fitting or 3/8" on request	
	Dimensions & weight	**Metric**	**Imperial**
31	Dim. (w) x (d) x (h)	270 x 550 x 450 mm	10.6 x 21.7 x 17.7 inch
32	weight	19 Kg	41.9 lbs.
33	HS code	8421.39	
34	Shipping dim. (w)x(d)x(h)	36 x 61 x 46 cm	14 x 24 x 18 inch
35	Shipping weight	22 Kg	49 lbs.

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