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turbiti pump skid: complete nanobubble generator | acniti

The Turbiti pump skid is a complete, ready-to-install nanobubble generator that combines a pump and Turbiti mixer in a single unit. Available with multiple pump configurations including stainless steel options for agriculture and aquaculture, and corrosion-resistant models for saltwater. Designed for easy integration into existing systems.



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turbiti nanobubble pump skid - complete, ready-to-install

- ✓ easy to implement in existing installations
- ✓ efficient gas dissolution and nanobubble production
- ✓ Clean Tech – Chemical free cleaning solutions
- ✓ combined in wastewater treatment systems
- ✓ systems in use for poultry and livestock drinking water
- ✓ uses turbiti nanobubble production technology
- ✓ nanobubble production for irrigation ponds for agriculture
- ✓ Currently available in single and 3 phase pumps, 1Ø230 volt, 3Ø230 or 3Ø400 volt
- ✓ Turbiti 636 for salt and seawater applications

The pump skid nanobubble generator is a complete set, easy to install, and ready to go.

turbiti nanobubble pump options

Acniti offers the Ebara DWO, Matrix and Ebara 3M pump series for the pump skid. The DWO series has an open impeller and is suitable for pumping suspended solids in liquid and dirty water, handling spherical solids up to 19 mm. The Ebara 3M and Matrix are stainless steel pumps suitable for agriculture or aquaculture applications, pumping clean water energy efficiently.

salt and seawater application turbiti 636

For salt water acniti offers durable pumps constructed with an impeller and diffuser made of Noryl, a material known for its wear resistance and corrosion resistance.

turbiti 737 pump skid: nanobubble generator specs | acniti

General		
1	Model name	Turbiti Nanobubble Pump Skid - Complete, Ready-to-Install
2	Model number	turbiti_737_pumpskid_3p-230V_50Hz
Liquid	Metric	Imperial
3	Strainer availability and size	
Ambient	Metric	Imperial
4	Ambient temperature minimum	-20 °C / -4 °F
5	Ambient temperature maximum	50 °C / 122 °F
Gas	Metric	Imperial
6	Minimum flow / minute	5.0 Liter / 1.3 Gallon
7	Maximum flow / minute	8.0 Liter / 2.1 Gallon
8	Minimum flow / hour	300 Liter / 79 Gallon
9	Maximum flow / hour	480 Liter / 127 Gallon
10	Pressure minimum	100 kPa / 15 PSI
11	Pressure maximum	350 kPa / 51 PSI
12	Gas quality	
13	Gas remark	
Connections		
14	Water inlet	G 2.5" pump suction connection
15	Water outlet	R 1", outer thread connection
16	Gas inlet	10 mm push to connect fitting
Dimensions & weight	Metric	Imperial

Dimensions & weight	Metric	Imperial
17 HS code	8419.82.0040	

turbiti 636 pump skid: nanobubble generator specs | acniti

General		
1	Model name	Turbiti Nanobubble Pump Skid - Complete, Ready-to-Install
2	Model number	turbiti_636_pumpskid_3p-230V_50Hz
Liquid	Metric	Imperial
3	Minimum flow / minute	83 Liter / 22 Gallon
4	Maximum flow / minute	220 Liter / 58 Gallon
5	Minimum flow / hour	5.0 M3 / 175.9 CF
6	Maximum flow / hour	13 M3 / 466 CF
7	Strainer availability and size	
Ambient	Metric	Imperial
8	Ambient temperature minimum	-20 °C / -4 °F
9	Ambient temperature maximum	35 °C / 95 °F
Gas	Metric	Imperial
10	Minimum flow / minute	5.0 Liter / 1.3 Gallon
11	Maximum flow / minute	8.0 Liter / 2.1 Gallon
12	Minimum flow / hour	300 Liter / 79 Gallon
13	Maximum flow / hour	480 Liter / 127 Gallon
14	Pressure minimum	100 kPa / 15 PSI
15	Pressure maximum	220 kPa / 32 PSI
16	Gas quality	
17	Gas remark	
Electrical	Metric	Imperial

	Electrical	Metric	Imperial
18	Unit phase Ø voltage	3Ø 230/400VAC	
19	Unit power consumption	2200	
20	Wetted parts	Glasfiber reinforced Noryl	
21	Pump model		
22	Pump phase Ø voltage	3Ø 230/400VAC	
23	Pump motor 50Hz	2200 Watt	3.0 hp
24	Pump head 50Hz	19 Meter	62 ft
25	Pump phase Ø voltage 60Hz		
26	Pump pressure setting	Manual	
27	Control	No control	
Connections			
28	Water inlet	G 2" pump suction connection	
29	Water outlet	R 1", outer thread connection	
30	Gas inlet	10 mm push to connect fitting	
	Dimensions & weight	Metric	Imperial
31	Dim. (w) x (d) x (h)	420 x 665 x 1010 mm	16.5 x 26.2 x 39.8 inch
32	weight	33.6 Kg	74.1 lbs.
33	HS code	8479.82.0040	

Remarks

34 Other remarks

- ✓ Install and use the product only at an altitude less than 2000 meter
- ✓ Enable charged operation of 0.5 meters below sea level, never more than 3 meters.
- ✓ Install a foot valve on the intake pipe when the pump is located above sea level
- ✓ Acoustic level of the pump is less than 70dBA
- ✓ Use 4G1mm cable to connect the 3-phase pump, cable type H07RN-F

turbiti 747 pump skid: nanobubble generator specs | acniti

General		
1	Model name	Turbiti Nanobubble Pump Skid - Complete, Ready-to-Install
2	Model number	turbiti_747_pumpskid_3p-230V_50Hz
Liquid	Metric	Imperial
3	Strainer availability and size	
Ambient	Metric	Imperial
4	Relative humidity minimum	0 %
5	Relative humidity maximum	100 %
Gas	Metric	Imperial
6	Minimum flow / minute	14 Liter / 3.7 Gallon
7	Maximum flow / minute	16 Liter / 4.2 Gallon
8	Minimum flow / hour	840 Liter / 222 Gallon
9	Maximum flow / hour	960 Liter / 254 Gallon
10	Pressure minimum	140 kPa / 20 PSI
11	Pressure maximum	260 kPa / 38 PSI
12	Gas quality	No corrosive gases, Oxygen, Air CO2 or N2 work fine
13	Gas remark	
Electrical	Metric	Imperial
14	Unit phase Ø voltage	3Ø 230/400VAC ±10%
15	Unit power consumption	3000 watts
16	Wetted parts	SUS304 (316), Nylon, PVC
17	Pump model	Ebara 3(L)M 50-125/3.0

	Electrical	Metric	Imperial
18	Pump phase Ø voltage	3Ø 230/400VAC ±10%	
19	Pump motor 50Hz	3000 Watt	4.0 hp
20	Pump head 50Hz	14 Meter	46 ft
21	Pump phase Ø voltage 60Hz		
22	Pump suction method	pressure	
23	Pump pressure setting		
24	Control		
Connections			
25	Water inlet	Flange DN65 according DIN 2532 Standard	
26	Water outlet	R 1.5"	
27	Gas inlet	10mm or 3/8"	
	Dimensions & weight	Metric	Imperial
28	weight	60 Kg	132.3 lbs.
29	HS code	8479.82.0040	
Remarks			
30	Other remarks	<input checked="" type="checkbox"/> Its recommended to use a frequency drive with this pumpskid this enables more precise pressure control.	

turbiti 727 pump skid: nanobubble generator specs | acniti

General		
1	Model name	Turbiti Nanobubble Pump Skid - Complete, Ready-to-Install
2	Model number	turbiti_727_pumpskid_3p-230V_50Hz_s304
Liquid	Metric	Imperial
3	Minimum flow / minute	32 Liter / 8.5 Gallon
4	Maximum flow / minute	130 Liter / 34 Gallon
5	Minimum flow / hour	1.9 M3 / 67.8 CF
6	Maximum flow / hour	7.8 M3 / 275.5 CF
7	Strainer availability and size	
Ambient	Metric	Imperial
8	Ambient temperature maximum	40 °C / 104 °F
Gas	Metric	Imperial
9	Minimum flow / minute	2.0 Liter / 0.5 Gallon
10	Maximum flow / minute	5.0 Liter / 1.3 Gallon
11	Minimum flow / hour	120 Liter / 32 Gallon
12	Maximum flow / hour	300 Liter / 79 Gallon
13	Pressure minimum	100 kPa / 15 PSI
14	Pressure maximum	350 kPa / 51 PSI
15	Gas quality	No corrosive gases, Oxygen, Air CO2 or N2 work fine
16	Gas remark	
Electrical	Metric	Imperial
17	Unit phase Ø voltage	3Ø 230/400VAC ±10%

Electrical		Metric	Imperial
18	Unit power consumption	650 watts	
19	Wetted parts	SUS304, Nylon, PVC	
20	Pump model	Ebara-Matrix-5-3	
21	Pump phase Ø voltage	3Ø 230/400VAC ±10%	
22	Pump motor 50Hz	650 Watt	0.9 hp
23	Pump head 50Hz	16.9 Meter	55 ft
24	Pump phase Ø voltage 60Hz		
25	Pump suction method	pressure	
26	Pump pressure setting		
27	Control		
Connections			
28	Water inlet	R 1 1/4"	
29	Water outlet	3/4"	
30	Gas inlet	10mm or 3/8"	
Dimensions & weight		Metric	Imperial
31	Dim. (w) x (d) x (h)	340 x 400 x 540 mm	13.4 x 15.7 x 21.3 inch
32	weight	20.3 Kg	44.8 lbs.
33	HS code	8419.82.0040	
34	Shipping dim. (w)x(d)x(h)	57 x 87 x 47 cm	22 x 34 x 19 inch
35	Shipping weight	25 Kg	55 lbs.
Remarks			
36	Other remarks	 Its recommended to use a frequency drive with this pumpskid this enables more precise pressure control.	

turbiti 747 316l pump skid: nanobubble generator | acniti

General		
1	Model name	Turbiti Nanobubble Pump Skid - Complete, Ready-to-Install
2	Model number	Turbiti skid 747S
Connections		
3	Water inlet	RC 1.5", inner thread
4	Water outlet	Flange DN50 according DIN 2532 Standard
5	Gas inlet	10mm push to connect fitting or 3/8" on request
Remarks		
6	Other remarks	<ul style="list-style-type: none"> ✓ Turbiti pump skid with an ozone resistant pump. ✓ Other specifications similar as the turbiti pumpskid 747