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turbiti pump skid

The Turbiti O2 pump skid is the multipurpose ultrafine bubble generator suitable for agriculture, horticulture and fish cultivation sites. Super saturation of oxygen for water day storage tanks in horticulture. Drinking water solutions for chicken, cows, pigs and horses, giving high DO water with ultrafine bubbles to animals with enhance their food digestion more efficiently and results in healthier animals.



turbiti pump skid

turbiti nanobubbles pump skid

- ✓ 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 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 to pump 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 efficient.

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 specs

	Description	Metric	Imperial
1	Model name	Turbiti 737 pump skid	Turbiti 737 pump skid
2	Model number	turbiti_pump-sus304_skid_737_3p-230V	turbiti_pump-sus304_skid_737_3p-230V
	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	Metric	Imperial
14	Water inlet	G 2.5" pump suction connection	G 2.5" pump suction connection
15	Water outlet	R 1", outer thread connection	R 1", outer thread connection
16	Gas inlet	10 mm push to connect fitting	10 mm push to connect fitting

turbiti 636 pump skid specs

	Description	Metric	Imperial
1	Model name	Turbiti 636 pump skid	Turbiti 636 pump skid
2	Model number	turbiti_636_pumpskid_3p-230V_50Hz	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		
8	Recommended inlet filter(s)	Medium pump inlet filter series	Medium pump inlet filter series
	Ambient	Metric	Imperial
9	Ambient temperature minimum	-20 °C	-4 °F
10	Ambient temperature maximum	35 °C	95 °F
	Gas	Metric	Imperial
11	Minimum flow / minute	5.0 Liter	1.3 Gallon
12	Maximum flow / minute	8.0 Liter	2.1 Gallon
13	Minimum flow / hour	300 Liter	79 Gallon
14	Maximum flow / hour	480 Liter	127 Gallon
15	Pressure minimum	100 kPa	15 PSI
16	Pressure maximum	220 kPa	32 PSI
17	Gas quality		
18	Gas remark		
	Electrical	Metric	Imperial

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

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 specs

	Description	Metric	Imperial
1	Model name	Turbiti 747 pump skid	Turbiti 747 pump skid
2	Model number	turbiti_pump-sus304_skid_747_3p-230V	turbiti_pump-sus304_skid_747_3p-230V
Liquid			
3	Strainer availability and size		
Ambient			
4	Relative humidity minimum	0 %	0 %
5	Relative humidity maximum	100 %	100 %
Gas			
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	No corrosive gases, Oxygen, Air CO2 or N2 work fine
13	Gas remark		
Electrical			
14	Unit phase Ø voltage	3Ø 230/400VAC ±10%	3Ø 230/400VAC ±10%
15	Unit power consumption	3000 watts	3000 watts
16	Wetted parts	SUS304 (316), Nylon, PVC	SUS304 (316), Nylon, PVC

Electrical		Metric	Imperial
17	Pump model	Ebara 3(L)M 50-125/3.0	Ebara 3(L)M 50-125/3.0
18	Pump phase Ø voltage	3Ø 230/400VAC ±10%	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	pressure
23	Pump pressure setting		
24	Control		
Connections		Metric	Imperial
25	Water inlet	Flange DN65 according DIN 2532 Standard	Flange DN65 according DIN 2532 Standard
26	Water outlet	R 1.5"	R 1.5"
27	Gas inlet	10mm or 3/8"	10mm or 3/8"
Dimensions & weight		Metric	Imperial
28	weight	60 Kg	132.3 lbs.
Remarks			
29	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 specs

Description		Metric	Imperial
1	Model name	Turbiti 727 pump skid	Turbiti 727 pump skid
2	Model number	turbiti_pump-sus304_skid_727_3p-230V_50Hz	turbiti_pump-sus304_skid_727_3p-230V_50Hz
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	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%	3Ø 230/400VAC ±10%

Electrical		Metric	Imperial
18	Unit power consumption	650 watts	650 watts
19	Wetted parts	SUS304, Nylon, PVC	SUS304, Nylon, PVC
20	Pump model	Ebara-Matrix-5-3	Ebara-Matrix-5-3
21	Pump phase Ø voltage	3Ø 230/400VAC ±10%	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	pressure
26	Pump pressure setting		
27	Control		
Connections		Metric	Imperial
28	Water inlet	R 1 1/4"	R 1 1/4"
29	Water outlet	3/4"	3/4"
30	Gas inlet	10mm or 3/8"	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	Shipping dim. (w)x(d)x(h)	57 x 87 x 47 cm	22 x 34 x 19 inch
34	Shipping weight	25 Kg	55 lbs.
Remarks			
35	Other remarks	 Its recommended to use a frequency drive with this pumpskid this enables more precise pressure control.	

turbiti 747 316l pump skid

Description		Metric	Imperial
1	Model name	Turbiti 747 316L pump skid	Turbiti 747 316L pump skid
2	Model number	turbiti_pump-sus316_skid_747-O3A_3p-230V_50Hz	turbiti_pump-sus316_skid_747-O3A_3p-230V_50Hz
Connections		Metric	Imperial
3	Water inlet	RC 1.5", inner thread	RC 1.5", inner thread
4	Water outlet	Flange DN50 according DIN 2532 Standard	Flange DN50 according DIN 2532 Standard
5	Gas inlet	10mm push to connect fitting or 3/8" on request	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 	