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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

Beschreibung		Metrisch	Kaiserlich
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
Umgebung		Metrisch	Kaiserlich
3	Ambient temperature minimum	-20 °C	-4 °F
4	Ambient temperature maximum	50 °C	122 °F
Gas		Metrisch	Kaiserlich
5	Minimum flow / minute	5.0 Liter	1.3 Gallone
6	Maximum flow / minute	8.0 Liter	2.1 Gallone
7	Minimum flow / hour	300 Liter	79 Gallone
8	Maximum flow / hour	480 Liter	127 Gallone
9	Druck Minimum	100 kPa	15 PSI
10	Druck maximal	350 kPa	51 PSI
Verbindungen		Metrisch	Kaiserlich
11	Water inlet	G 2.5" pump suction connection	G 2.5" pump suction connection
12	Water outlet	R 1", outer thread connection	R 1", outer thread connection
13	Gas inlet	10 mm push to connect fitting	10 mm push to connect fitting

turbiti 636 pump skid specs

	Beschreibung	Metrisch	Kaiserlich
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
	Flüssigkeit	Metrisch	Kaiserlich
3	Minimum flow / minute	83 Liter	22 Gallone
4	Maximum flow / minute	220 Liter	58 Gallone
5	Minimum flow / hour	5.0 M3	175.9 CF
6	Maximum flow / hour	13 M3	466 CF
7	Recommended inlet filter(s)	Medium pump inlet filter series	Medium pump inlet filter series
	Umgebung	Metrisch	Kaiserlich
8	Ambient temperature minimum	-20 °C	-4 °F
9	Ambient temperature maximum	35 °C	95 °F
	Gas	Metrisch	Kaiserlich
10	Minimum flow / minute	5.0 Liter	1.3 Gallone
11	Maximum flow / minute	8.0 Liter	2.1 Gallone
12	Minimum flow / hour	300 Liter	79 Gallone
13	Maximum flow / hour	480 Liter	127 Gallone
14	Druck Minimum	100 kPa	15 PSI
15	Druck maximal	220 kPa	32 PSI
	Elektrisch	Metrisch	Kaiserlich
16	Unit phase Ø voltage	3Ø 230/400VAC	3Ø 230/400VAC
17	Unit power consumption	2200	2200
18	Wetted parts	Glasfiber reinforced Noryl	Glasfiber reinforced Noryl

Elektrisch		Metrisch	Kaiserlich
19	Pump phase Ø voltage	3Ø 230/400VAC	3Ø 230/400VAC
20	Pump motor 50Hz	2200 Watt	3.0 hp
21	Pump head 50Hz	19 Meter	62 ft
22	Pump pressure setting	Manual	Manual
23	Control	No control	No control
Verbindungen		Metrisch	Kaiserlich
24	Water inlet	G 2" pump suction connection	G 2" pump suction connection
25	Water outlet	R 1", outer thread connection	R 1", outer thread connection
26	Gas inlet	10 mm push to connect fitting	10 mm push to connect fitting
Abmessungen & Gewicht		Metrisch	Kaiserlich
27	Abm. (B) x (T) x (H)	420 x 665 x 1010 mm	16.5 x 26.2 x 39.8 Zoll
28	weight	33.6 Kg	74.1 lbs.
Bemerkungen			
29	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

	Beschreibung	Metrisch	Kaiserlich
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
	Umgebung	Metrisch	Kaiserlich
3	Relative humidity minimum	0 %	0 %
4	Relative humidity maximum	100 %	100 %
	Gas	Metrisch	Kaiserlich
5	Minimum flow / minute	14 Liter	3.7 Gallone
6	Maximum flow / minute	16 Liter	4.2 Gallone
7	Minimum flow / hour	840 Liter	222 Gallone
8	Maximum flow / hour	960 Liter	254 Gallone
9	Druck Minimum	140 kPa	20 PSI
10	Druck maximal	260 kPa	38 PSI
11	Gas quality	No corrosive gases, Oxygen, Air CO2 or N2 work fine	No corrosive gases, Oxygen, Air CO2 or N2 work fine
	Elektrisch	Metrisch	Kaiserlich
12	Unit phase Ø voltage	3Ø 230/400VAC ±10%	3Ø 230/400VAC ±10%
13	Unit power consumption	3000 watts	3000 watts
14	Wetted parts	SUS304 (316), Nylon, PVC	SUS304 (316), Nylon, PVC
15	Pump model	Ebara 3(L)M 50-125/3.0	Ebara 3(L)M 50-125/3.0
16	Pump phase Ø voltage	3Ø 230/400VAC ±10%	3Ø 230/400VAC ±10%
17	Pump motor 50Hz	3000 Watt	4.0 hp
18	Pump head 50Hz	14 Meter	46 ft

Elektrisch		Metrisch	Kaiserlich
19	Pump suction method	pressure	pressure
Verbindungen		Metrisch	Kaiserlich
20	Water inlet	Flange DN65 according DIN 2532 Standard	Flange DN65 according DIN 2532 Standard
21	Water outlet	R 1.5"	R 1.5"
22	Gas inlet	10mm or 3/8"	10mm or 3/8"
Abmessungen & Gewicht		Metrisch	Kaiserlich
23	weight	60 Kg	132.3 lbs.
Bemerkungen			
24	Other remarks	 Its recommended to use a frequency drive with this pumpskid this enables more precise pressure control.	

turbiti 727 pump skid specs

	Beschreibung	Metrisch	Kaiserlich
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
	Flüssigkeit	Metrisch	Kaiserlich
3	Minimum flow / minute	32 Liter	8.5 Gallone
4	Maximum flow / minute	130 Liter	34 Gallone
5	Minimum flow / hour	1.9 M3	67.8 CF
6	Maximum flow / hour	7.8 M3	275.5 CF
	Umgebung	Metrisch	Kaiserlich
7	Ambient temperature maximum	40 °C	104 °F
	Gas	Metrisch	Kaiserlich
8	Minimum flow / minute	2.0 Liter	0.5 Gallone
9	Maximum flow / minute	5.0 Liter	1.3 Gallone
10	Minimum flow / hour	120 Liter	32 Gallone
11	Maximum flow / hour	300 Liter	79 Gallone
12	Druck Minimum	100 kPa	15 PSI
13	Druck maximal	350 kPa	51 PSI
14	Gas quality	No corrosive gases, Oxygen, Air CO2 or N2 work fine	No corrosive gases, Oxygen, Air CO2 or N2 work fine
	Elektrisch	Metrisch	Kaiserlich
15	Unit phase Ø voltage	3Ø 230/400VAC ±10%	3Ø 230/400VAC ±10%
16	Unit power consumption	650 watts	650 watts
17	Wetted parts	SUS304, Nylon, PVC	SUS304, Nylon, PVC
18	Pump model	Ebara-Matrix-5-3	Ebara-Matrix-5-3

Elektrisch		Metrisch	Kaiserlich
19	Pump phase Ø voltage	3Ø 230/400VAC ±10%	3Ø 230/400VAC ±10%
20	Pump motor 50Hz	650 Watt	0.9 hp
21	Pump head 50Hz	16.9 Meter	55 ft
22	Pump suction method	pressure	pressure
Verbindungen		Metrisch	Kaiserlich
23	Water inlet	R 1 1/4"	R 1 1/4"
24	Water outlet	3/4"	3/4"
25	Gas inlet	10mm or 3/8"	10mm or 3/8"
Abmessungen & Gewicht		Metrisch	Kaiserlich
26	Abm. (B) x (T) x (H)	340 x 400 x 540 mm	13.4 x 15.7 x 21.3 Zoll
27	weight	20.3 Kg	44.8 lbs.
28	Shipping dim. (w)x(d)x(h)	57 x 87 x 47 cm	22 x 34 x 19 Zoll
29	Shipping weight	25 Kg	55 lbs.
Bemerkungen			
30	Other remarks	 Its recommended to use a frequency drive with this pumpskid this enables more precise pressure control.	

turbiti 747 316l pump skid

Beschreibung		Metrisch	Kaiserlich
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
Verbindungen		Metrisch	Kaiserlich
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
Bemerkungen			
6	Other remarks	☒ Turbiti pump skid with an ozone resistant pump.	
		☒ Other specifications similar as the turbiti pumpskid 747	