



**Aeration
Industries®**

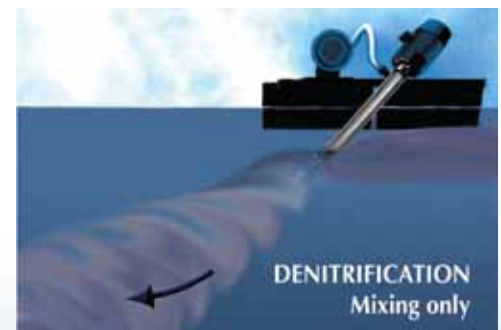
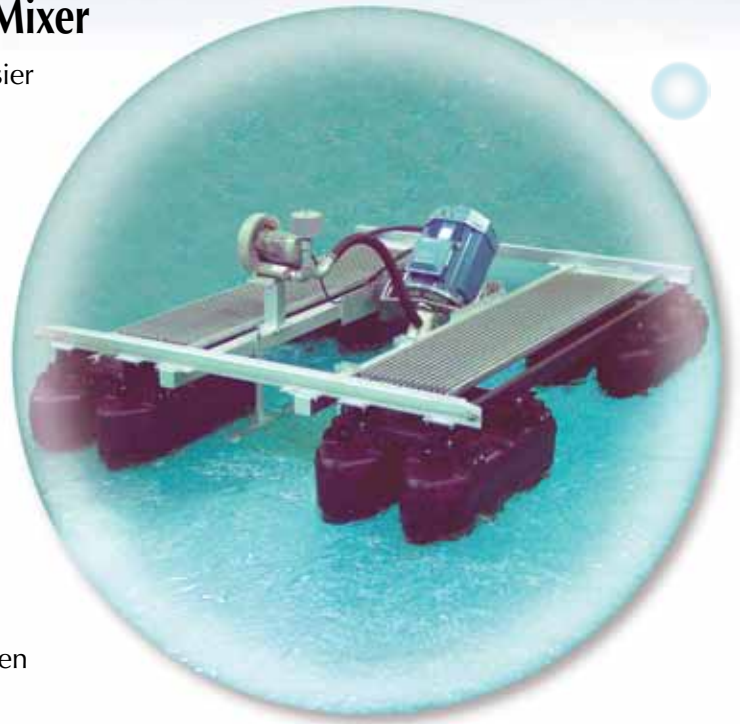
AIRE-O₂ TRITON® Process Aerator/Mixer

The Industry's Most Advanced Aerator/Mixer

Biological nutrient removal (BNR) processes are now easier to regulate and more cost effective by combining mixing and aeration in a single compact unit with independent aeration control. The patented Aire-O₂ Triton® process aerator/mixer maximizes fine bubble oxygen dispersion and mixing for greater oxygen transfer efficiencies. Together with our Aire-O₂® aspirator aerator, over 65,000 units have been delivered in the U.S. and over 92 countries since 1974.

AIRE-O₂ TRITON® Dual-Function Aerator/Mixer Benefits:

- Saves energy and reduces operating costs.
- Engineered propeller/ring design results in higher oxygen transfer and superior mixing.
- Increased O₂ transfer & subsurface mixing generates greater treatment efficiencies, resulting in energy savings of up to 50%.
- Mixing capability from 6 to 33 feet deep (1.8 to 10 m).
- Minimal maintenance: simple mechanical design, few wear parts. No gear box.
- Dual-function process capabilities for aeration and/or mixing.
- EPA defined 'fine bubble' aeration, 2.2 mm or less.
- Low speed (900 rpm/60 Hz – 750 rpm/50 Hz) operation ensures extended aerator life, improves mixing and quiet operation.
- No aerosols, splashing, or released pathogens into the air.
- Ideal for energy savings upgrades.
- Available in 5 through 75 Hp (3.75 to 55.9 kW) sizes and worldwide voltage, phase and Hz combinations.
- Up to Five (5) Year Warranty, depending on application.



"The Triton aerators are working really good and do a good job of mixing. Now, I don't have to do any maintenance ...except to grease them every 6 months."

John Ford, Franklin Wastewater Treatment Plant, Franklin, LA

AIRE-O₂ TRITON[®] Process Aerator/Mixer

Mounting Options:

Wall Mount
option also available.

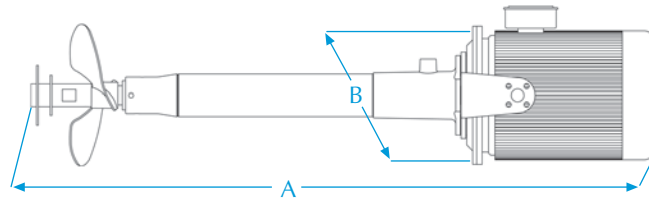
For anchor mounting
details please
contact the factory.



Bridge Mount



Float Mount



60 / 50 Hz Weights & Measures for the AIRE-O₂ TRITON[®] Aerator:

NEMA AND IEC Motors Available

Hp	kW	Dimensions		Motor Frame Size	60 Hz	50 Hz	Ship Weight lbs. (kg)	Pontoon System Avail.	Pontoon System
		A	B		Motor Nominal RPM	Motor Nominal RPM			
5	4	76 (1.93)	14 (.36)	254TCZ	900	750	480 (218)	b	a <i>Intra-Pond</i>
7.5	5.5	76 (1.93)	14 (.36)	256TCZ	900	750	540 (245)	b	b <i>Tri-pontoon</i>
10	7.5	87 (2.21)	16 (.41)	284TCZ	900	750	660 (299)	c	c <i>Quad-pontoon</i>
15	11	87 (2.21)	16 (.41)	286TCZ	900	750	680 (308)	c	d <i>Penta-pontoon</i>
20	15	87 (2.21)	18 (.46)	324TCZ	900	750	880 (399)	c,d	e <i>Hexa-pontoon</i>
25	18.5	93 (2.36)	18 (.46)	326TCZ	900	750	910 (413)	c,d,e	f <i>Hepta-pontoon</i>
30	22	93 (2.36)	18 (.46)	364TCZ	900	750	1400 (635)	d,e	g <i>Octa-pontoon</i>
40	30	102 (2.59)	19 (.48)	250SM	900	750	1450 (658)	e	h <i>Deca-pontoon</i>
50	37	102 (2.59)	19 (.48)	250SM	900	750	1515 (687)	f,g	
60	45	102 (2.59)	19 (.48)	250SM	900	750	1565 (710)	f,g	
75	55	102 (2.59)	19 (.48)	250SM	900	N/A	1715 (778)	f,g,h	

Pontoon systems
available for 50 Hz /
60 Hz may vary.
Contact factory.

N/A – Not available at time of
printing. Check with factory.

FRAME SIZE, RPM, and SHIP WEIGHTS may
vary between motor manufacturers.

Data subject to change without notice.

For estimate only - consult factory.



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