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AERATORS

beautiful

BUILT TO

waterways

LAST



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Otterbine® has been leading the world in lake and pond water quality management for over 50 years. The Barebo family has owned Otterbine for the last 25 years, and with the strongest warranties in the industry you can rest assured that the Barebos take pride in producing a quality product that meets customer needs.

Considered the industry leader, Otterbine is moving its aerating fountain product line into the next century with a revolutionary new aerating fountain platform.

Aerators built to last

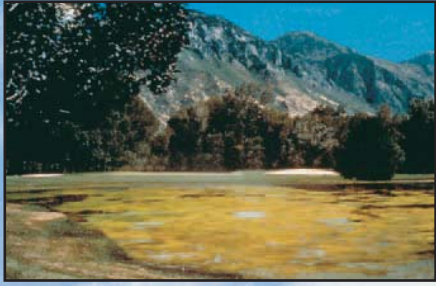


Otterbine aerating fountains and industrial aerators help to give nature a boost by treating the causes of poor water quality. These systems, known for their ability to keep water clean, are unlike other fountain systems. Otterbine has adopted disciplines from wastewater engineering and lake management experts to produce systems that offer beautiful spray patterns.

We give nature a boost

Oceans and natural lakes thrive and live because they have mass circulation that allows them to transfer oxygen into their systems. This circulation and oxygen transfer have allowed these bodies of water to stay healthy for centuries. Today, ponds and lakes start out fresh and clean, but as man impacts the environment, the life cycle is diminished. Poorly maintained lakes that have become our trash basins complete with aquatic weeds and algae, can evolve into marshlands in less than a decade.

Before



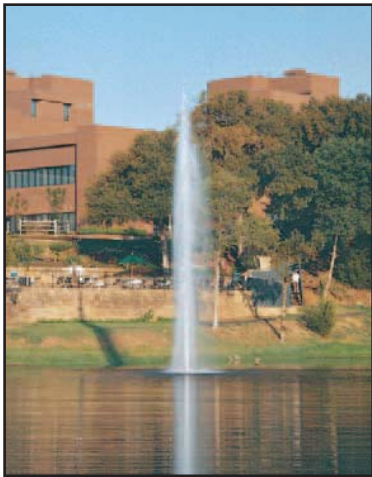
After



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dedicated to Our Environment



The problem we all face is that, unless properly managed, water can easily change from a sparkling asset that attracts people, into a foul-smelling eyesore that is riddled with algae, weeds and debris that may offend people. When you consider that the demand for global water has grown 150% over the last 40 years, the need for effective water management becomes critical if we are to meet the needs of the future. Not only can Otterbine systems effectively recycle water, but they can also enhance the beauty and function of almost any setting.



Otterbine Barebo is dedicated to offering you a system that is tried and true. As one of the only manufacturers committed to having its equipment independently tested for oxygen transfer and pumping volumes, Otterbine has teamed with the University of Minnesota to have this testing completed. Otterbine is excited to announce an industry first—920 gallons per minute per hp or 198.5 m³/hr pumping volume and 3.2 lbs or 1.49 kg of oxygen transfer achieved with its one horsepower High Volume industrial aerator. Lake management experts agree that an effective aeration system should have high flow rates and oxygen transfer rates in order to provide maximum results for water quality management needs.



C u s t o m e r C o m m i t m e n t

Quality means more than just high quality products and superior warranties at Otterbine Barebo, Inc. Quality also means superior customer service. Otterbine accomplishes this through a dedicated team of employees, distributors and service centers and, more importantly, by listening to our customers.

The same standards that go into our products go into the people that support Otterbine products. Factory personnel train all 350 distributors and 90 service centers worldwide. Otterbine is driven by a commitment to excellence and has internal measures that ensure that your questions, problems or design needs are met within 24 hours. Otterbine's Marketing Specialists survey every customer that returns warranty information to monitor customer satisfaction levels concerning product quality and service before and after the sale. These ratings are available for you to view at our Web site www.otterbine.com.

Before



The natural life cycle of a pond or lake occurs naturally over hundreds of years. However, with the increase in population and development of land, pond and lakes are facing many burdens causing them to age prematurely which in turn leads to poor water quality. A lack of oxygen in the water body is one of the primary contributing factors to poor water quality such as algae, odors and fish kills. Not only can poor water quality be unsightly, it can be damaging, especially when the pond or lake is used for irrigation, livestock, leisure, or recreation.

By aerating your pond or lake you induce oxygen into the water column and create currents that eliminate stagnant areas and thermal stratification. Aeration provides many benefits, but most importantly it improves your water quality leaving you with clean, healthy ponds and lakes.

Water Quality Management

After



Nutrient Loading

Although other factors can contribute, when algae gets to be excessive there's a good chance the source of the problem is high nutrient loading. This can include run-off from parking lots to turf areas. Both areas can contain high concentrations of nutrients, especially phosphorus and nitrogen most commonly found in fertilizer. Through run-off, these extra nutrients are added to a pond which throws the natural ecosystem off balance forcing it to work extra hard in order to stabilize itself. Often an algal bloom occurs as the algae devour the abundant nutrients.

SOLUTION: Aerators encourage the longevity of aerobic bacteria by constantly inducing oxygen into the water. Since aerobic bacteria need an abundance of oxygen to consume excess nutrients, aerators help by constantly replenishing their O₂ supply. This in turn keeps your water clear, odor-free and healthy.

Providing Solutions

Deter Insects & Insect Breeding

Water is a great attraction to most insects, mosquitoes in particular need water to thrive as they breed in stagnant water where there are aquatic weeds and scum to which they attach their eggs. While insects alone are irritating enough, with the threat of West Nile Virus mosquitoes themselves have gone from annoying to dangerous. One female mosquito is capable of spawning 3000 offspring in her lifetime, with most of them remaining within a mile radius of their breeding site.

SOLUTION: Aerating fountains break up stagnant water conditions by pumping and circulating water in areas that would normally be still, thus inhibiting the insects' ability to properly nest and lay eggs or reproduce. In the chance that any eggs were already laid, by breaking up the surface water and constantly causing surface movement, aerators prevent any eggs or larvae from completing their life cycle.

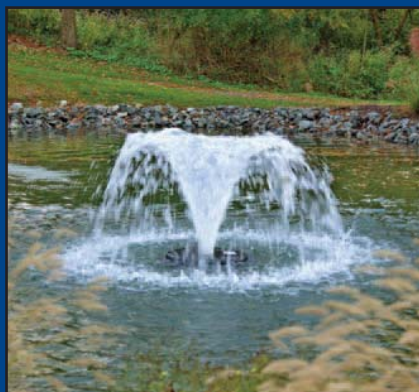


Aerating Fountains



You don't have to choose between a fountain and an aerator with Otterbine's aerating fountain products. Offering both function and beauty, our aerating fountains can operate in as little as 30" or 75cm of water and offer truly interchangeable spray patterns with an average spray pattern change taking less than 20 minutes! A unique mixed flow pumping system delivers aeration when you need it, while stainless steel and high intensity thermal plastics construction will stand up to brackish water environments. Moreover, you can expect years of service from an efficient double sealed, oil cooled, electric motor and an industry first five-year warranty.

Fractional Aerators



Revolutionizing the industry once again, Otterbine's Aqua Series fractional aerator comes with two patterns, an incredible 2-year warranty and features an industry first air-cooled motor which produces increased energy efficiency and output compared to oil-cooled motors. Primarily for ponds less than an acre in size, the Aqua Series provides superior water quality management for a fraction of the cost, and will stand up in brackish conditions.

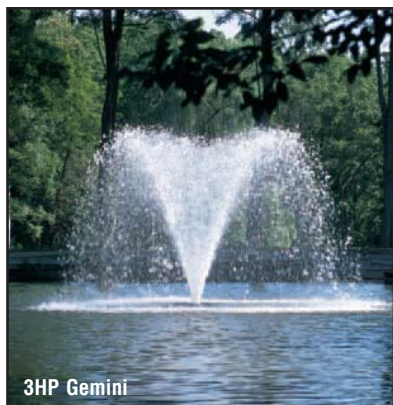
Choosing the right system is critical and will depend on the amount of aquatic vegetation, the visual effect desired and available power. Otterbine aerating fountains and fractional aerators have been proven to provide excellent vertical circulation in waterways that are as deep as 15' or 5m in depth. Please contact us today to arrange for a free pond evaluation and site inspection!



aesthetic

Aerating Fountains

Gemini



3HP Gemini

The newest spray pattern in the Otterbine line offers incredible aeration strength and tremendous beauty to any property. Add lights to this unit and take the dramatic spray from day into evening to create a spectacular nightscape.

60HZ	1HP	2 HP	3 HP	5 HP
Spray Height (ft)	5	9	12	15
Spray Diam. (ft)	10	16	24	34
GPM	555	665	800	1125
Volt/Phase/Amp	115/1/14	230/1/13.2	230/1/14.8	230/1/23
3450@60Hz	230/1/7.9		230/3/9.2	230/3/14.3
			460/3/4.3	460/3/7.2

50HZ	1HP	2 HP	3 HP	5 HP
Spray Height (m)	2	2.6	3.5	4.4
Spray Diam. (m)	4	4.7	6.9	9.5
m³/hr	119.7	143.5	172.6	242.7
Volt/Phase/Amp	230/1/7.2	230/1/12.6	230/1/13.5	400/3/7
2875@50Hz			400/3/4	

Unit shipped complete with unit, cable and power control center. 50HZ applications do not receive a power control center. Unit average weight is 155 lbs or 73 kg. Minimum operating depth is 30" or 75cm. Pumping rates may vary due to voltage, elevation and relative humidity.

Sunburst



3HP Sunburst

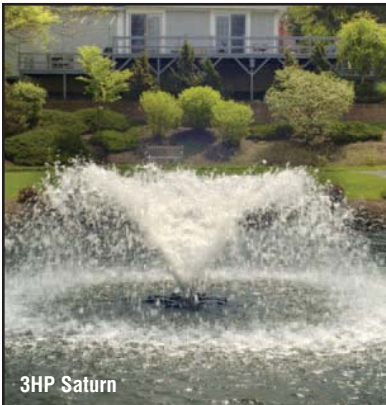
The Otterbine Sunburst model has been a favorite on golf courses for over twenty years. This unit offers effective aeration and circulation with a beautiful umbrella like spray and let's golfers know the location of an upcoming water hazard!

60HZ	1HP	2 HP	3 HP	5 HP
Spray Height (ft)	4	7	10	11
Spray Diam. (ft)	15	24	30	40
GPM	530	640	775	1100
Volt/Phase/Amp	115/1/14	230/1/13.2	230/1/14.8	230/1/23
3450@60Hz	230/1/7.9		230/3/9.2	230/3/14.3
			460/3/4.3	460/3/7.2

50HZ	1HP	2 HP	3 HP	5 HP
Spray Height (m)	1.2	2	2.9	3.2
Spray Diam. (m)	5	7.3	8.6	11.6
m³/hr	114.4	138.1	167.2	237.3
Volt/Phase/Amp	230/1/7.2	230/1/12.6	230/1/13.5	400/3/7
2875@50Hz			400/3/4	

Unit shipped complete with unit, cable and power control center. 50HZ applications do not receive a power control center. Unit average weight is 155 lbs or 73 kg. Minimum operating depth is 30" or 75cm. Pumping rates may vary due to voltage, elevation and relative humidity.

Saturn



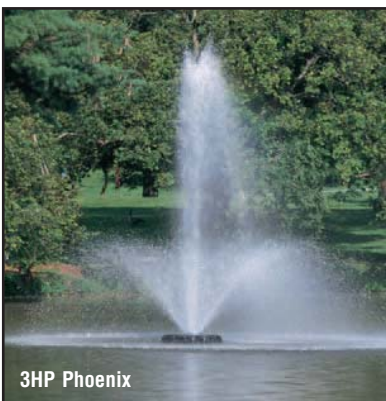
The Saturn could be considered a compact version of Otterbine's signature pattern the Sunburst. Smaller in diameter and shorter in height than the Sunburst, the Saturn produces a more condensed and fluid pattern providing customers with another strong aeration package within the Aerating Fountain product line.

60HZ	1HP	2 HP	3 HP	5 HP	50HZ	1HP	2 HP	3 HP	5 HP
Spray Height (ft)	1.5	3	4.5	5	Spray Height (m)	.5	.9	1.4	1.5
Spray Diam. (ft)	7	11	20	24	Spray Diam. (m)	2.1	3.3	6.1	7
GPM	400	480	580	825	m3/hr	86.3	103.6	125.1	178
Volt/Phase/Amp 3450@60Hz	115/1/14 230/1/7.9	230/1/13.2	230/1/14.8 230/3/9.2 460/3/4.3	230/1/23 230/3/14.3 460/3/7.2	Volt/Phase/Amp 2875@50Hz	230/1/6.2	230/1/10.8	230/1/11.6 400/3/3.4	400/3/6

Unit shipped complete with unit, cable and power control center. 50HZ applications do not receive a power control center. Unit average weight is 155 lbs or 73 kg. Minimum operating depth is 30" or 75cm. Pumping rates may vary due to voltage, elevation and relative humidity.

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Phoenix



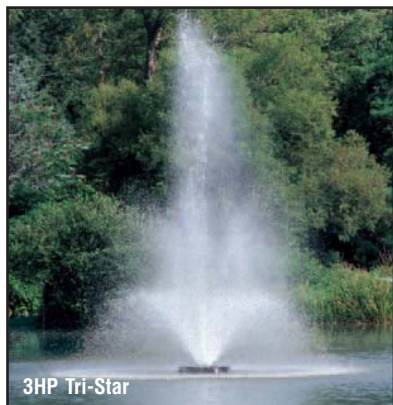
Otterbine's Phoenix combines aesthetics with aeration. This unit is popular in commercial and residential settings alike. Lights will allow you to enjoy this product day or night! Otterbine suggests increasing horsepower when placing this unit in water environments that have excessive aquatic weed and algae present.

60HZ	1HP	2 HP	3 HP	5 HP	50HZ	1HP	2 HP	3 HP	5 HP
	In Out	In Out	In Out	In Out		In Out	In Out	In Out	In Out
Spray Height (ft)	8 4	11 6	15 9	18 10	Spray Height (m)	3 1.2	4 1.8	4.2 2	4.2 2
Spray Diam. (ft)	2 17	2 20	3 28	3 34	Spray Diam. (m)	0.6 5.5	0.6 6.4	0.9 7.2	0.9 7.2
GPM	150	210	275	400	m³/hr	32.4	45.3	59.3	59.3
Volt/Phase/Amp 3450@60Hz	115/1/14 230/1/7.9	230/1/13	230/1/14.8 230/3/9.2 460/3/4.3	230/1/23 230/3/14.3 460/3/7.2	Volt/Phase/Amp 2875@50Hz	230/1/7.2	230/1/12.6	230/1/13.5 400/3/4	400/3/4

Unit shipped complete with unit, cable and power control center. 50HZ applications do not receive a power control center. Unit average weight is 155 lbs or 73 kg. Minimum operating depth is 30" or 75cm. Pumping rates may vary due to voltage, elevation and relative humidity.

Aerating Fountains

Tri-Star



3HP Tri-Star

Otterbine's Tri-star model is a winner among homeowners' associations. Lights truly enhance the elegant beauty of this product! Otterbine suggests increasing horsepower when placing this unit in water environments that have excessive aquatic weed and algae present.

60HZ	1HP			2 HP			3 HP			5 HP		
	In	Mid	Out	In	Mid	Out	In	Mid	Out	In	Mid	Out
Spray Height (ft)	8	5	3	12	7	4	16	11	7	19	13	8
Spray Diam.(ft)	2	9	13	2	10	17	3	13	23	3	15	27
GPM	150			210			275			400		
Volt/Phase/Amp 3450@60Hz	115/1/14 230/1/7.9			230/1/13			230/1/14.8 230/3/9.2 460/3/4.3			230/1/23 230/3/14.3 460/3/7.2		

50HZ	1HP			2 HP			3 HP			5 HP		
	In	Mid	Out	In	Mid	Out	In	Mid	Out	In	Mid	Out
Spray Height (m)	3	1.8	0.9	4	2.4	4	4.6	3.2	2.0	4.6	3.2	2.0
Spray Diam. (m)	0.6	2.7	4	0.6	3.0	5.2	0.9	3.8	6.1	0.9	3.8	6.1
m ³ /hr	32.4			45.3			59.3			59.3		
Volt/Phase/Amp 2875@50Hz	230/1/7.2			230/1/12.6			230/1/13.5 400/3/4			400/3/4		

Unit shipped complete with unit, cable and power control center. 50HZ applications do not receive a power control center. Unit average weight is 155 lbs or 73 kg. Minimum operating depth is 30" or 75cm. Pumping rates may vary due to voltage, elevation and relative humidity.

Rocket



3HP Rocket

Otterbine's geyser fountain effect looks beautiful by itself or clustered with other Otterbine aerating fountains to create a large fountain effect. Lights truly enhance the beauty of this product! Otterbine does not suggest placing this unit in difficult water environments. If this unit is desired in a difficult water environment, please consider grouping this unit with a Sunburst or Gemini.

60HZ	1HP		2 HP		3 HP		5 HP	
Spray Height (ft)	11-13		17-19		20-22		23-25	
Spray Diam. (ft)	5		5		8		8	
GPM	110		155		200		290	
Volt/Phase/Amp 3450@60Hz	115/1/14 230/1/7.9		230/1/13		230/1/14.8 230/3/9.2 460/3/4.3		230/1/23 230/3/14.3 460/3/7.2	

50HZ	1HP		2 HP		3 HP		5 HP	
Spray Height (m)	3.8-4.4		4.9-5.5		5.6-6.2		5.6-6.2	
Spray Diam. (m)	1.5		1.5		2.4		2.4	
m ³ /hr	23.7		33.4		43.2		43.2	
Volt/Phase/Amp 2875@50Hz	230/1/7.2		230/1/12.6		230/1/13.5 400/3/4		400/3/4	

Unit shipped complete with unit, cable and power control center. 50HZ applications do not receive a power control center. Unit average weight is 155 lbs or 73 kg. Minimum operating depth is 30" or 75cm. Pumping rates may vary due to voltage, elevation and relative humidity.

Comet



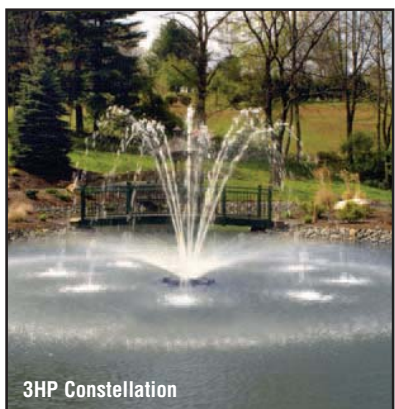
Maintaining its symmetry and splendor, this magnificent pattern creates a thick, lavish column of water that will fascinate even the most discriminating onlooker. Otterbine suggests increasing horsepower when placing this unit in water environments that have excessive aquatic weed and algae present.

60HZ	1HP	2 HP	3 HP	5 HP	50HZ	1HP	2 HP	3 HP	5 HP
Spray Height (ft)	9-11	16-18	19-21	21-23	Spray Height (m)	2.8-3.4	4.4-5	5.2-6.8	5.2-6.8
Spray Diam. (ft)	5	5	8	8	Spray Diam. (m)	1.5	1.5	2.4	2.4
GPM	130	185	240	325	m3/hr	28	39.9	51.8	51.8
Volt/Phase/Amp 3450@60Hz	115/1/14 230/1/7.9	230/1/13.2	230/1/14.8 230/3/9.2 460/3/4.3	230/1/23 230/3/14.3 460/3/7.2	Volt/Phase/Amp 2875@50Hz	230/1/7.2	230/1/12.6	230/1/13.5 400/3/4	400/3/4

Unit shipped complete with unit, cable and power control center. 50HZ applications do not receive a power control center. Unit average weight is 155 lbs or 73 kg. Minimum operating depth is 30" or 75cm. Pumping rates may vary due to voltage, elevation and relative humidity. This unit incorporates stabilizers to eliminate sway of the pattern.

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Constellation



Designed to minimize clogging and hold its pattern in windy conditions, this intricate two-tiered, fountain-like pattern captures its audiences attention with its awe-inspiring beauty. Otterbine suggests increasing horsepower when placing this unit in water environments that have excessive aquatic weed and algae present.

60HZ	1HP	2 HP	3 HP	5 HP	50HZ	1HP	2 HP	3 HP	5 HP
Spray Height (ft)	In 4 Out 2	In 6 Out 2	In 9 Out 3	In 10 Out 3	Spray Height (m)	In 1.2 Out .6	In 1.8 Out .6	In 2.4 Out .9	In 2.4 Out .9
Spray Diam. (ft)	9 18	14 28	17 35	18 36	Spray Diam. (m)	2.7 5.4	3.7 7.6	4.6 9.6	4.6 9.6
GPM	150	210	275	400	m3/hr	32.4	45.3	59.3	59.3
Volt/Phase/Amp 3450@60Hz	115/1/14 230/1/7.9	230/1/13.2	230/1/14.8 230/3/9.2 460/3/4.3	230/1/23 230/3/14.3 460/3/7.2	Volt/Phase/Amp 2875@50Hz	230/1/7.2	230/1/12.6	230/1/13.5 400/3/4	400/3/4

Unit shipped complete with unit, cable and power control center. 50HZ applications do not receive a power control center. Unit average weight is 155 lbs or 73 kg. Minimum operating depth is 30" or 75cm. Pumping rates may vary due to voltage, elevation and relative humidity.

Genesis



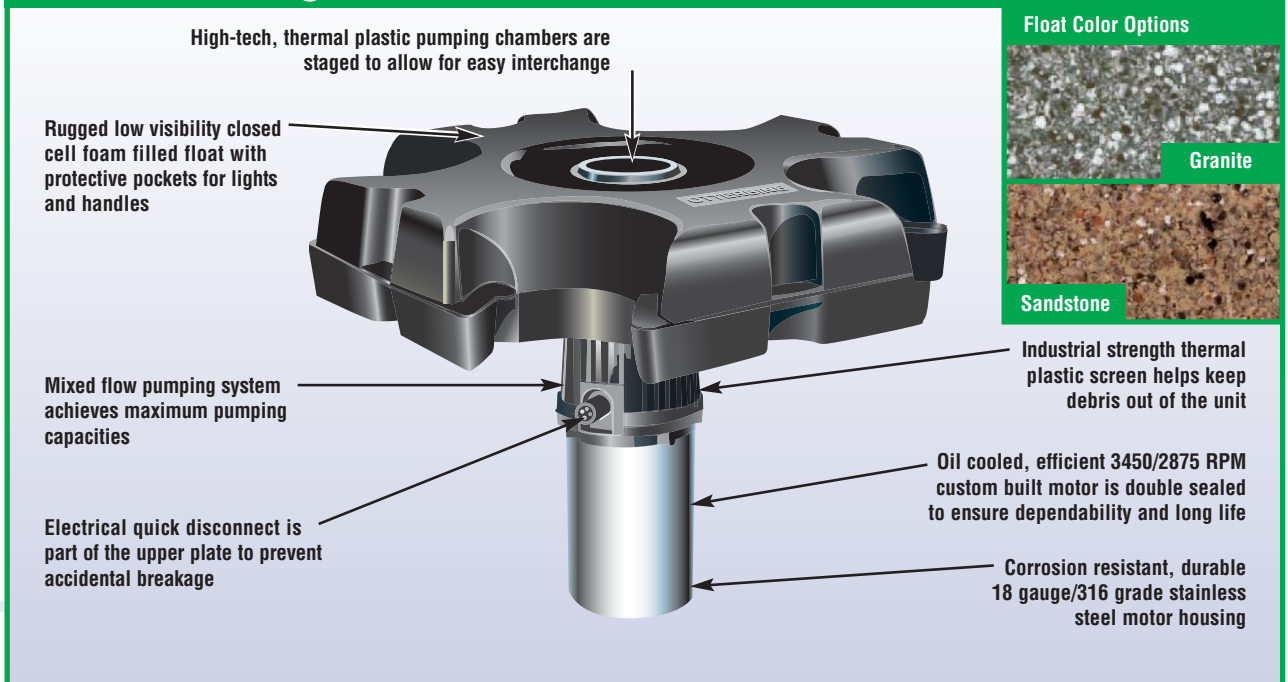
The Genesis is our newest addition to the Otterbine Aerating Fountain line. Its two tiers and 16 silhouetted streams cascade into the waterscape resembling that of an architectural fountain, acting as a dramatic and enticing focal point that captivates onlookers from all around. Otterbine suggests increasing horsepower when placing this unit in water environments that have excessive aquatic weed and algae present.

60HZ	1HP		2 HP		3 HP		5 HP	
	In	Out	In	Out	In	Out	In	Out
Spray Height (ft)	6	3	10	5	15	6	18	7
Spray Diam. (ft)	8	24	11	32	20	50	24	62
GPM	150		210		275		400	
Volt/Phase/Amp 3450@60Hz	115/1/14	230/1/7.9	230/1/13.2		230/1/14.8		230/1/23	
					230/3/9.2		230/3/14.3	
					460/3/4.3		460/3/7.2	

50HZ	1HP		2 HP		3 HP		5 HP	
	In	Out	In	Out	In	Out	In	Out
Spray Height (m)	2.1	1.2	3.4	1.5	4.2	1.7	4.2	1.7
Spray Diam. (m)	3	7.6	4	10.7	5	13.7	5	13.7
m3/hr	32.4		45.3		59.3		59.3	
Volt/Phase/Amp 2875@50Hz	230/1/7.2	230/1/12.6	230/1/13.5		400/3/4			

Unit shipped complete with unit, cable and power control center. 50HZ applications do not receive a power control center. Unit average weight is 155 lbs or 73 kg. Minimum operating depth is 30" or 75cm. Pumping rates may vary due to voltage, elevation and relative humidity.

Aerating Fountain Product Illustration



AquaSeries

Our newest addition to the Otterbine aerator line, the AquaSeries Fractional Aerator is complete with two interchangeable patterns, (the AquaGem and AquaBlast,) and is designed with the small pond owner's needs in mind.

Ready to install right out of the box, the AquaSeries provides both aesthetic appeal and aeration, taking care of your water quality management needs. Otterbine introduces another industry first with the AquaSeries' air-cooled motor, which yields an increase in energy efficiency due to the reduction of drag inside the motor cartridge. Constructed of high thermal plastics, this unit will stand up in brackish environments and is protected by an all inclusive two-year warranty. Add Fountain Glo™ lighting to the AquaSeries and enhance your evenings outdoors.



AquaGem



The AquaGem has aesthetic qualities with its plume like pattern, but more importantly it provides excellent circulation and with pumping rates exceeding 250GPM/56.8m³/hr it has phenomenal water quality management capabilities.

60 HZ	1/4 HP	1/2 HP	50 HZ	1/4 HP	1/2 HP
Spray Height (ft)	3	4	Spray Height (m)	.9	1.2
Spray Diam. (ft)	7	9.5	Spray Diam. (m)	2.1	2.9
GPM	175	200	m³/hr	39.7	45.4
Volt/Ph/Amp 3250@60hz	115/1/3.1	115/1/5.5	Volt/Ph/Amp 2700@50hz	230/1/1.8	230/1/3.2

*See below for additional specifications.

AquaBlast



The AquaBlast pattern is primarily for aquatic management needs, creating a subtle pattern similar to what you would find with a bubbling spring. Ideal for small ponds (less than an acre in size.)

60 HZ	1/4 HP	1/2 HP	50 HZ	1/4 HP	1/2 HP
Spray Height (ft)	1.5	2	Spray Height (ft)	.4	.6
Spray Diam. (ft)	4	5.5	Spray Diam. (ft)	1.2	1.7
GPM	210	260	m³/hr	47.7	59.1
Volt/Ph/Amp 3250@60hz	115/1/3.1	115/1/5.5	Volt/Ph/Amp 2700@50hz	230/1/1.8	230/1/3.2

*AquaGem & AquaBlast are shipped complete with unit, cable (1/4HP comes standard with 50'/15m 12aug cable or 1/2HP comes standard with 100'/30m of 12aug cable on units sold in the U.S.), 2 spray patterns and mini power control center. 50Hz applications do not receive a power control center. Minimum operating depth is 13"/33cm for the 1/4HP and 14"/35.5cm for the 1/2HP. Unit average weight is 45lbs/20.5kg. Pumping rates may vary due to voltage drop, humidity and other relevant site situations. 230V units are available upon request.

impressive



Industrial Aeration Systems

Otterbine's industrial aeration systems are designed to get the job done in difficult situations. The High Volume industrial surface spray system has been independently tested by the University of Minnesota to move an incredible 920 gallons per minute per hp or 198.5 m³/hr of water per horsepower hour while transferring 3.28 lbs or 1.49 kg of oxygen into the water. The Triton and Sub-Triton sub-surface mixers and aspirators are often placed into difficult aquatic management situations. These aeration systems are constructed of stainless steel and high intensity thermal plastics that will stand up in brackish environments. Moreover, you can expect years of service from a quality, sealed, oil cooled, efficient electric motor and superior three-year warranty.

Otterbine, with a drive to meet all of their customers needs, also manufactures the Air Flo system for deep water bodies. This system achieves mass circulation by pumping oxygen from an on-shore air compressor to fine bubble diffusers located at the pond's bottom. These diffusers then synergistically expand and transfer oxygen throughout the entire water column. Air Flo comes complete with an all inclusive two-year warranty.

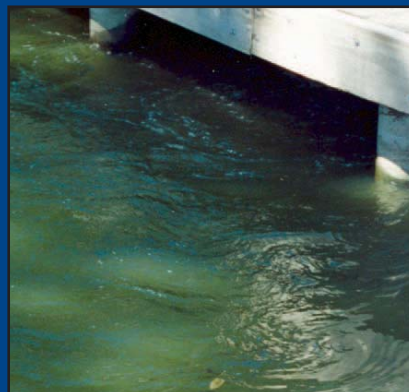
"The quality, durability, and functionality are unequalled - our water quality has improved by using our Otterbines."

John Gurke
Superintendent, Aurora Country Club, IL"

Before



After

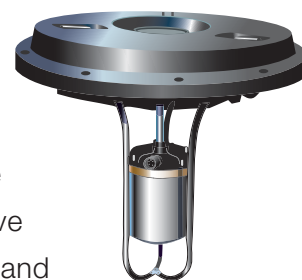


High Volume



2HP High Volume

Surface aeration when you need it, the High Volume is used on golf courses, fish farms and other environments that may experience nutrient run-off. This unit is effective in as much as 15' or 5m of water and only needs 40" or 1m of water to operate in.



60 HZ	1HP	2 HP	3 HP	5HP
Spray Height (ft)	1.5	2	3	4.5
Spray Diam. (ft)	4	7	9	11
GPM	920	1525	2100	3000
Volt/Phase/Amp 1725@60Hz	115/1/13.4 230/1/6.8	230/1/11.9	230/1/13.5 230/3/8.5 460/3/4.2	230/3/14.4 460/3/7.5 575/3/6

50 HZ	1HP	2 HP	3 HP	5HP
Spray Height (m)	.5	.6	.9	1.1
Spray Diam. (m)	1.2	2.3	2.6	3.5
m³/hr	198.5	329	453.1	647.2
Volt/Ph/Amp 1425@50hz	230/1/8	230/1/12	230/1/14 400/3/4.2	400/3/7.2

Unit shipped complete with unit, cable and power control center. 50HZ applications do not receive a power control center. Minimum operating depth is 40" or 1m. Unit average weight is 210 lbs or 95 kg. Pumping rates may vary due to voltage, elevation and relative humidity.

Air Flo



Air Diffuser Stone
(pond bottom)

An efficient on-shore air compressor runs this unique, fine-bubble diffused air system. The compressor sends air out to diffusers located at the pond bottom. These systems are incredibly cost efficient and are perfect for recreational and large, deep-water bodies. Air Flo systems are most effective in waterways that have a minimum depth of 12' or 3m.

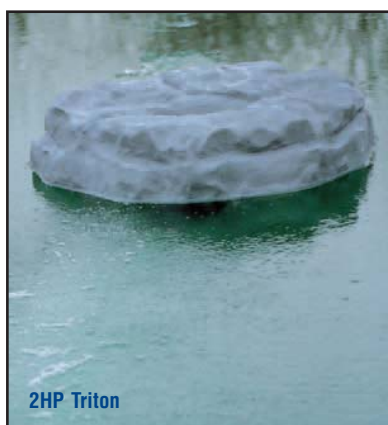
60 HZ	Acreage	Operating Depth (ft)	Pond Volume Influenced GPM	Volt/Ph/Amp* @ 8 PSI 1725 @60hz
(1) 1/4 HP 1 Diffuser	to 1/2 1/2-1	8-14 14-18	3250 3750	115/1/4.6 230/1/2.3
(1) 3/4 HP 1 Diffuser	1/2-3	18-26	4000+	115/1/12 230/1/6
(1) 3/4 HP 2 Diffusers	to 1/2 1/2-1 1-3	4-8 8-14 14-18	2250 3250 3750	115/1/12 230/1/6
(2) 3/4 HP 4 Diffusers	to 1 1-5 1-5	4-8 8-14 14-18	2250 3250 3750	115/1/12 230/1/6
(2) 3/4 HP 6 Diffusers	to 3 3-8 3-12	4-8 8-14 14-18	2250 3250 3750	115/1/12 230/1/6
(1) 3/4 HP 3 Diffusers	to 3	8-14	3250	115/1/12 230/1/6
(2) 3/4 HP 2 Diffusers	to 5	18-26	4000+	115/1/12 230/1/6

60 HZ	Acreage	Operating Depth (ft)	Pond Volume Influenced GPM	Volt/Ph/Amp* @ 8 PSI 1725 @60hz
(4) 3/4 HP 4 Diffusers	12 12	19-26 19-26	4000+ 4000+	115/1/12 230/1/6

50 HZ	m²	Operating Depth (m)	Pond Volume Influenced m³/hr	Volt/Ph/Amp* @ 8 PSI 1425@50Hz
(2) 3/4 HP 4 Diffusers	4046.9 4046-20235 4046-20235	1.2-2.4 2.4-4.3 4.3-5.5	511 738 852	220/1/7 220/1/7 220/1/7
(2) 3/4 HP 6 Diffusers	12140 12141-32375 12141-32375	1.2-2.4 2.4-4.3 4.3-5.5	511 738 852	220/1/7 220/1/7 220/1/7
(3) 3/4 HP 3 Diffusers	32375	6-8	909+	220/1/7
(4) 3/4 HP 4 Diffusers	48562.8	6-8	909+	220/1/7

*Running amp draw is per compressor. As most units are customized, shipping weights will vary. System comes complete with compressor, cabinet, diffuser(s), tubing, valves, filter elements, veins, clamps and skid. Custom systems available for any pond configuration.

Triton Mixer or Aspirator



2HP Triton

Both of these units float on the pond surface and are used when no surface spray is desired. The mixer is specified when mass circulation is required and is a superb de-icing unit. The aspirator incorporates a venturi tube that allows for surface oxygen to be transferred to the pond bottom. The Triton is an excellent choice in water that ranges in depth from 8'/2.5m – 15'/4.6m.

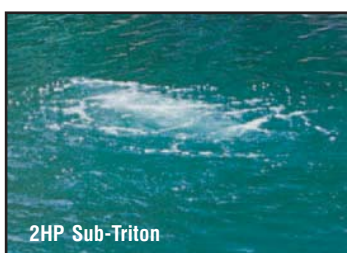


60 HZ	1HP	2 HP	3 HP	5HP	50 HZ	1HP	2 HP	3 HP	5HP
Triton Mixer Pond Volume Influenced, ft³	490,000	980,000	1,470,000	n/a	Triton Mixer Pond Volume Influenced, m³	12,488	24,976	37,463	n/a
Triton Asp. Pond Volume Influenced, ft³	210,000	420,000	630,000	1,050,000	Triton Asp. Pond Volume Influenced, m³	5,352	10,704	16,056	26,760
Volt/Phase/Amp 1725@60Hz	115/1/12.6 230/1/6.5	230/1/11.5	230/1/12.5 230/3/8.7 460/3/4.1	230/3/13.5 400/3/7.5 460/3/7.0	Volt/Phase/Amp 1425@50Hz	230/1/7.3	230/1/12	230/1/14.5 400/3/4.3	400/3/6.2

Unit shipped complete with unit, cable and power control center. 50HZ applications do not receive a power control center. Minimum operating depth is 3' or 1m. Unit average weight is 210 lbs or 95 kg. Pond volume influenced measured over a 40 minute period. Pumping rates may vary due to voltage, elevation and relative humidity. Mixer not available in 5HP.

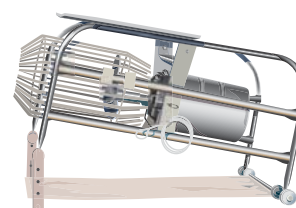
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Sub-Triton Mixer or Aspirator



2HP Sub-Triton

The Sub-Triton is almost identical to the Triton, with the only exception being that the Sub-Triton model sits on the pond bottom allowing for shallower water applications. Sub-Tritons are effective in water that ranges in depth from 3'/1m – 8'/2.5m.



60 HZ	1HP	2 HP	3 HP	5HP	50 HZ	1HP	2 HP	3 HP	5HP
Sub-Triton Mixer Pond Volume Influenced, ft³	490,000	980,000	1,470,000	n/a	Sub-Triton Mixer Pond Volume Influenced, m³	12,488	24,976	37,463	n/a
Sub-Triton Asp. Pond Volume Influenced, ft³	210,000	420,000	630,000	1,050,000	Sub-Triton As. Pond Volume Influenced, m³	5,352	10,704	16,056	26,760
Volt/Phase/Amp 1725@60Hz	115/1/12.6 230/1/6.5	230/1/11.5	230/1/12.5 230/3/8.7 460/3/4.1	230/3/13.5 400/3/7.5 460/3/7.0	Volt/Phase/Amp 1425@50Hz	230/1/7.3	230/1/12	230/1/14.5 400/3/4.3	400/3/6.2

Unit shipped complete with unit, cable and power control center. 50HZ applications do not receive a power control center. Minimum operating depth is 3' or 1m. Unit average weight is 210 lbs or 95 kg. Pond volume influenced measured over a 40 minute period. Pumping rates may vary due to voltage, elevation and relative humidity. Mixer not available in 5HP.



"We are very pleased with the performance of all four Otterbine aerators that have been operating in our ponds since 1996 when the golf course opened. Otterbine aerators circulate a high volume of water generating oxygen for a healthy pond for fish and wildlife."

John A. Newcomb, CGCS
Atlantic Golf at South River
Annapolis, MD

Giant and Instant Fountains



From Otterbine's commitment to the ever-changing needs of their customers comes the giant fountain. The giant fountain Super Nova, can thrust water an impressive 95' or 25m into the air or choose the conservative but impressive Polaris with its thick flowing wall of water. Otterbine did their research when creating this product and has engineered a unique, wheeled launching system and removable debris screen that can be cleaned without the unit ever leaving the water. These fountains are manufactured to impress! A two-year warranty and quality stainless steel system construction plus a Grundfos Pump and Franklin motor combination will ensure years of continued service.

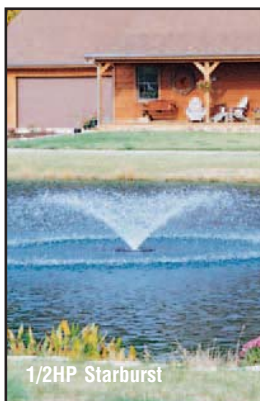


Keeping the requirements of small pond owners in mind, Otterbine presents the Instant Fountain. This unit comes complete with three easy to adjust patterns, cable and a mini control center with timer and gfci. Just plug it in and begin to enjoy the beauty of a fountain without delay. This product is provided with a two-year warranty and manufactured with a quality Franklin motor as well as stainless steel components.



d r a m a t i c

Starburst



The Starburst offers the best water quality management within the instant fountain series. This pattern is the perfect choice for small ponds 1/4 of a surface acre or less with limited water management needs.

60 HZ	1/2 HP	3/4 HP
Spray Height (ft)	2.5	3
Spray Diam. (ft)	12	19
GPM	125	135
Volt/Ph/Amp	115/1/12	230/1/8
3450@60hz	230/1/6	

50 HZ	1/2 HP
Spray Height (m)	0.8
Spray Diam. (m)	4.3
m³/hr	24
Volt/Ph/Amp	230/1/3.9
2875@50hz	

Unit shipped complete with unit, cable, 3 spray patterns and mini power control center. 50HZ applications do not receive a power control center. Minimum operating depth is 18" or 46cm. Unit average weight is 57 lbs or 22 kg. Pumping rates may vary due to voltage, elevation and relative humidity.

Phoenix



The Phoenix offers beauty and function with its classical styling. This pattern can further enhance your surroundings by the addition of an Otterbine Fountain Glo lighting package.

60 HZ	1/2 HP		3/4 HP	
Spray Height (ft)	In 8	Out 4	In 9	Out 6
Spray Diam. (ft)	2	12	2	16
GPM	80		90	
Volt/Ph/Amp	115/1/12		230/1/8	
3450@60hz	230/1/6			

50 HZ	1/2 HP	
Spray Height (m)	In 2.1	Out 1.2
Spray Diam. (m)	0.6	3.7
m³/hr	18	
Volt/Ph/Amp	230/1/3.9	
2875@50hz		

Unit shipped complete with unit, cable, 3 spray patterns and mini power control center. 50HZ applications do not receive a power control center. Minimum operating depth is 18" or 46cm. Unit average weight is 57 lbs or 22 kg. Pumping rates may vary due to voltage, elevation and relative humidity.

Rocket



The Rocket provides an impressive pattern with heights that travel as much as 15' or 3m. This pattern looks fantastic in small commercial and corporate developments.

60 HZ	1/2 HP	3/4 HP
Spray Height (ft)	12	15
Spray Diam. (ft)	2	2
GPM	80	90
Volt/Ph/Amp	115/1/12	230/1/8
3450@60hz	230/1/6	

50 HZ	1/2 HP
Spray Height (m)	2.9
Spray Diam. (m)	0.6
m³/hr	18
Volt/Ph/Amp	230/1/3.9
2875@50hz	

Unit shipped complete with unit, cable, 3 spray patterns and mini power control center. 50HZ applications do not receive a power control center. Minimum operating depth is 18" or 46cm. Unit average weight is 57 lbs or 22 kg. Pumping rates may vary due to voltage, elevation and relative humidity.

Aqua Star



25HP Aqua Star

Otterbine's Aqua Star impresses many with its dramatic two-tiered spray effect. This unit is frequently specified into resorts and hotels and is chosen by golf course club facilities to adorn ponds and provide the perfect back drop for weddings and other social occasions. Optional accessories for Otterbine's giant fountain include wind-controls and subtrol motor controls. Subtrol motor controls will extend your warranty from two years to three.

60 HZ	10 HP		15 HP		25 HP		50 HZ	10 HP		15 HP		25 HP	
	In	Out	In	Out	In	Out		In	Out	In	Out	In	Out
Spray Height (ft)	36	8	40	10	50	12	Spray Height (m)	10.4	2.4	11.6	3	14.3	3.7
Spray Diam. (ft)	1	33	1	37	1	42	Spray Diam. (m)	30cm	9.4	30cm	10.7	30cm	12.2
GPM	225		350		400		m ³ /hr	51.1		79.5		90.8	
Volt/Ph/Amp 3450@60Hz	230/1/47 230/3/30 460/3/15		230/1/67 230/3/44 460/3/22		230/3/70 460/3/35		Volt/Ph/Amp 2875@50Hz	400/3/16		400/3/24		400/3/40	

Unit shipped complete with unit, cable, nozzle and power control center. 50HZ applications do not receive a power control center. Unit average weight is 920 lbs or 420 kg. Minimum operating depth is 6' or 190cm. Pumping rates may vary due to voltage, elevation, and relative humidity.



Triad



25HP Triad

The Triad is the newest member of Otterbine's giant fountain line and was created per customer request. This three-tiered system offers exceptional elegance and beauty. And, this giant fountain will continue to impress when an Otterbine high voltage lighting package is added to take the fountain's beauty from day into night. Optional accessories for Otterbine's giant fountain include wind-controls and subtrol motor controls. Subtrol motor controls will extend your warranty from two years to three.

60 HZ	10 HP			15 HP			25 HP			50 HZ	10 HP			15 HP			25 HP		
	In	Mid	Out	In	Mid	Out	In	Mid	Out		In	Mid	Out	In	Mid	Out	In	Mid	Out
Spray Height (ft)	36	18	8	40	20	10	50	26	12	Spray Height (m)	10.4	5.2	2.4	11.6	5.8	3	14.3	7.3	3.7
Spray Diam. (ft)	0.5	33	33	0.5	37	37	0.5	42	42	Spray Diam. (m)	15cm	9.4	9.4	15cm	10.7	10.7	15cm	12.2	12.2
GPM	300			390			500			m ³ /hr	68.1			88.5			113.5		
Volt/Ph/Amp 3450@60Hz	230/1/47 230/3/30 460/3/15			230/1/67 230/3/44 460/3/22			230/3/70 460/3/35			Volt/Ph/Amp 2875@50Hz	400/3/16			400/3/24			400/3/40		

Unit shipped complete with unit, cable, nozzle and power control center. 50HZ applications do not receive a power control center. Unit average weight is 920 lbs or 420 kg. Minimum operating depth is 6' or 190cm. Pumping rates may vary due to voltage, elevation, and relative humidity.

Mystic

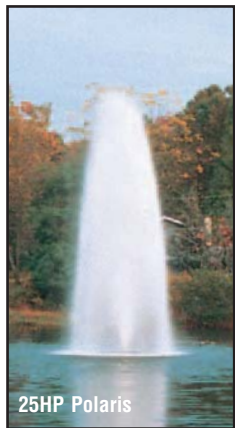


The Mystic is Otterbine’s best selling giant fountain spray pattern. This pattern offers impressive heights shooting a stream of water as high as 65’ or 18.9m. This system is often specified by landscape architects to provide impressive aesthetic enhancement at large corporate office and commercial developments. Optional accessories for Otterbine’s giant fountain include wind-controls and Subtrol motor controls. Subtrol motor controls will extend your warranty from two years to three.

60HZ	10 HP	15 HP	25 HP	50HZ	10 HP	15 HP	25 HP
Spray Height (ft)	40	50	65	Spray Height (m)	11.6	14.3	18.9
Spray Diam. (ft)	6	6	6	Spray Diam. (m)	1.8	1.8	1.8
GPM	450	500	800	m³/hr	102.2	113.5	181.6
Volt/Ph/Amp 3450@60Hz	230/1/47 230/3/30 460/3/15	230/1/67 230/3/44 460/3/22	230/3/70 460/3/35	Volt/Ph/Amp 2875@50Hz	400/3/16	400/3/24	400/3/40

Unit shipped complete with unit, cable, nozzle and power control center. 50HZ applications do not receive a power control center. Unit average weight is 920 lbs or 420 kg. Minimum operating depth is 6’ or 190cm. Pumping rates may vary due to voltage, elevation, and relative humidity.

Polaris



The Polaris offers a heavy geyser-type water flow that is often specified when trying to achieve an impressive, yet very conservative, water feature. This giant fountain is extraordinary when high voltage Fountain Glo lights are added and its thick, powerful column of water is illuminated for nighttime viewing pleasure. Optional accessories for Otterbine’s giant fountain include wind-controls and Subtrol motor controls. Subtrol motor controls will extend your warranty from two years to three.

60HZ	10 HP	15 HP	25 HP	50HZ	10 HP	15 HP	25 HP
Spray Height (ft)	24	30	35	Spray Height (m)	7	8.5	10.1
Spray Diam. (ft)	8	8	8	Spray Diam. (m)	2.4	2.4	2.4
GPM	675	750	1200	m³/hr	153.2	170.3	272.4
Volt/Ph/Amp 3450@60Hz	230/1/47 230/3/30 460/3/15	230/1/67 230/3/44 460/3/22	230/3/70 460/3/35	Volt/Ph/Amp 2875@50Hz	400/3/16	400/3/24	400/3/40

Unit shipped complete with unit, cable, nozzle and power control center. 50HZ applications do not receive a power control center. Unit average weight is 920 lbs or 420 kg. Minimum operating depth is 6’ or 190cm. Pumping rates may vary due to voltage, elevation, and relative humidity.

Super Nova



When a dramatic fountain pattern is needed, look no further than Otterbine's giant fountain Super Nova. This pattern will shoot a column of water 95' or 27.4m. This unit is often chosen for commercial complexes that need to have attention drawn to them. Optional accessories for Otterbine's giant fountain include wind-controls and subtrol motor controls. Subtrol motor controls will extend your warranty from two years to three.

60HZ	10 HP	15 HP	25 HP	50HZ	10 HP	15 HP	25 HP
Spray Height (ft)	55	70	95	Spray Height (m)	15.8	20.1	27.4
Spray Diam. (ft)	1	1	1	Spray Diam. (cm)	30	30	30
GPM	225	350	400	m³/hr	51.1	79.5	90.8
Volt/Ph/Amp 3450@60Hz	230/1/47 230/3/30 460/3/15	230/1/67 230/3/44 460/3/22	230/3/70 460/3/35	Volt/Ph/Amp 2875@50Hz	400/3/16	400/3/24	400/3/40

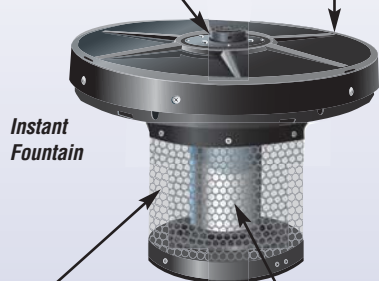
Unit shipped complete with unit, cable, nozzle and power control center. 50HZ applications do not receive a power control center. Unit average weight is 920 lbs or 420 kg. Minimum operating depth is 6' or 190cm. Pumping rates may vary due to voltage, elevation, and relative humidity.

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Instant & Giant Fountain Product Illustration

Unit includes three, polyphenylene oxide, corrosion-resistant spray impellers

Closed-cell foam ensures level flotation



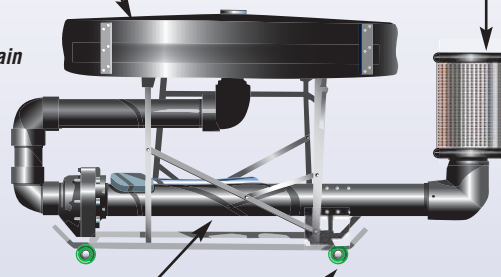
Fine mesh St/St intake 18-8, intake screen prevents debris from entering the pump

High speed 3450/2875 RPM St/St water-cooled motor never requires maintenance

Special polyethylene float allows for easy height adjustment to make float less visible in the water

Removable St/St intake screen allows for cleaning in the water and protects pump from debris

Giant Fountain



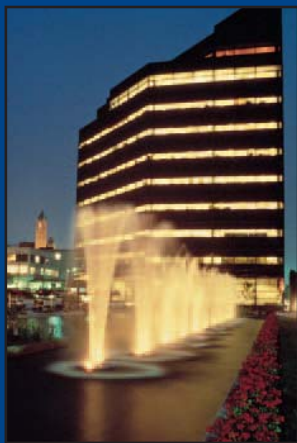
High quality Grundfos pump and super stainless Franklin 3450/2875 RPM motor ensure years of corrosion-resistant, trouble-free run time and no maintenance

Unique wheeled launching system eliminates the need for cranes during installation

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Enhance the beauty of any aerating fountain, industrial aerator or Otterbine fountain with Fountain Glo lighting products. Lighting adds value and security to your property by creating a spectacular night-time display.

Fountain Glo™ Lighting



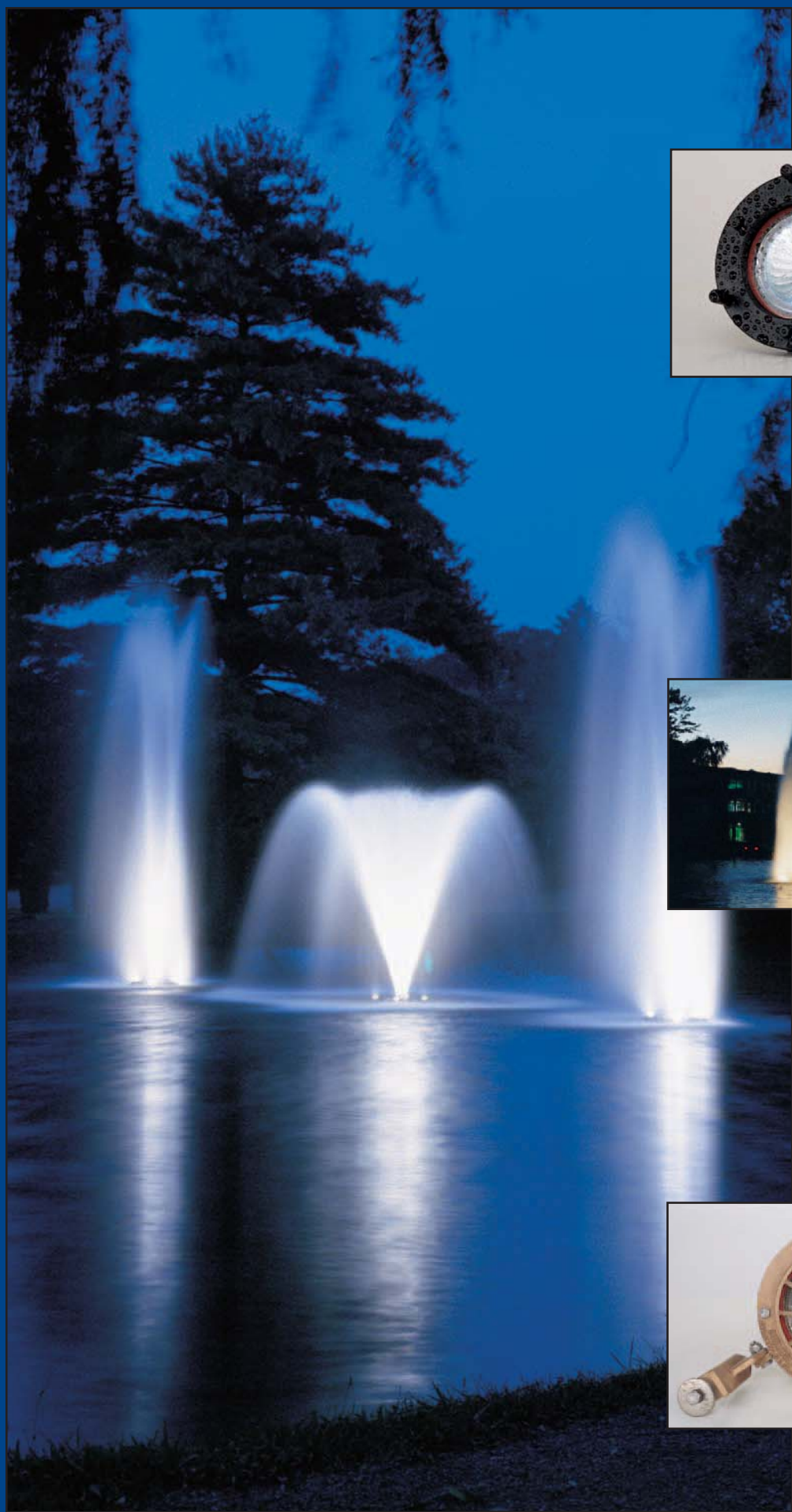
Otterbine's Fountain Glo lighting is available in low voltage and high voltage configurations. The Fountain Glo low voltage lighting allows you to pick either 20 watts or 65 watts of warm illumination. The low voltage fixture is made of the same high intensity plastics that Otterbine uses on several of its product lines. Otterbine's low voltage system looks great on instant fountains and aerating fountains. Otterbine's high voltage product allows you to pick either 250 watts or 500 watts of brilliant light. The high voltage light is made of stainless steel and brass components.

and Allied Products

Otterbine also offers a line of allied products for your pond and lake needs. These products include the Otterbine Bunker Pumper, which will quickly move water from low lying areas and Ottershield Lake Dye, which turns ponds a beautiful deep blue color.

"I've received countless compliments on my fountain and only wish I would have purchased it sooner."

T. Roberts



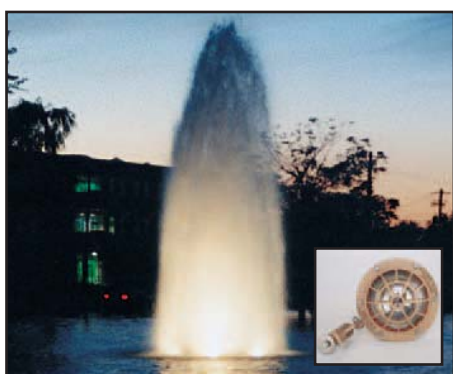
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Fountain Glo™ Low Voltage Lighting



Fountain Glo low voltage lighting systems run on 12-volt power for energy efficiency. Light sets come in 2, 3, and 4 set configurations and can have either a 20 or 65 watt halogen bulb. The light fixture is made of high intensity plastics. All 60Hz systems come complete with lights, cable, gfci and 24-hour timer. Available options include colored lenses and light sequencers. Our low voltage lighting is recommended for our 1/4HP to 5HP aerators and fountains.

Fountain Glo™ High Voltage Lighting



Fountain Glo high voltage lighting systems run on 115, 60Hz or 230, 50Hz volt power. Light sets come in 2, 3, 4, 5, 6, 8, 10 and 12 set configurations and can have either a 250 or 500 watt bulb. The light fixture is made of stainless steel and brass. All 60Hz systems come complete with lights, timer, cable, gfci and 24-hour timer. Available options include colored lenses and light sequencers. Our high voltage lighting is recommended for our 5HP to 25HP aerators and fountains.

O t t e r s h i e l d

Some bodies of water are naturally dirty looking due to reasons beyond a lake manager's control. Ottershield will turn a muddy looking pond into a sparkling deep blue water feature within moments. Otterbine's special blend of deep blue dye comes in water-soluble packets for easy application. Ottershield is non-toxic and there is no need to measure this product as there is with liquid lake dye products, in addition it won't stain your hands or waterfowl!



# of Packets	Acre/Foot	Volumes of Water	
1	1/2	162,925 gallons	615,859 liters
2	1	325,850 gallons	1,231,718 liters
3	2	651,700 gallons	2,463,436 liters

B u n k e r P u m p e r

This incredible floating pump weighs only 89 lbs. or 40 kg and can move an impressive 240 gpm or 908 lpm. The pump is self-priming, can run up to 45 minutes on a tank of gas and will operate in as little as 3 inches or 8cm of water. The pump is perfect for draining pools, sand traps, construction ditches and low-lying field areas.



Maximum Output	Maximum Pressure	Maximum Output Per Hour	Maximum Head	Impeller	Discharge
240 GPM @ 6 PSI (908 LPM)	32 PSI (2.2 Bars)	14,400 GPH (54,480 LPM)	74 feet (22.5m)	6 Vane 6 Vane	2.5" MST Male 2.5" MST Male



Extensive Safety Testing



Otterbine is the only manufacturer of lake and pond products that goes to the extremes of having its aerating fountains, industrial aerators, fountains and lighting systems safety tested and approved as a complete package, while other manufacturers only list their components. Otterbine has the unit, cable and power control center safety-tested and approved by ETL, ETC-C and CE.

This commitment to safety offers you the security of knowing that you can trust your equipment while it is running in the water.

Power Control Center



One of the ways that Otterbine ensures a safe product is by producing a high quality power control center. The power control center offered on all aerating fountains, industrial aerators and giant fountains comes complete with state of the art components including; surge/lighting arrestor, 24-hour timer, hand-off auto switch, external reset, and people protection ground fault interrupt (except 380/460V). These components are provided in a NEMA 3R rated enclosure, optional fiberglass and stainless steel enclosures can be provided for coastal environments.

In addition, when ordering multiple units, Otterbine's dedicated team of engineers will design a panel specifically for your application with all of the controls located in a single enclosure.

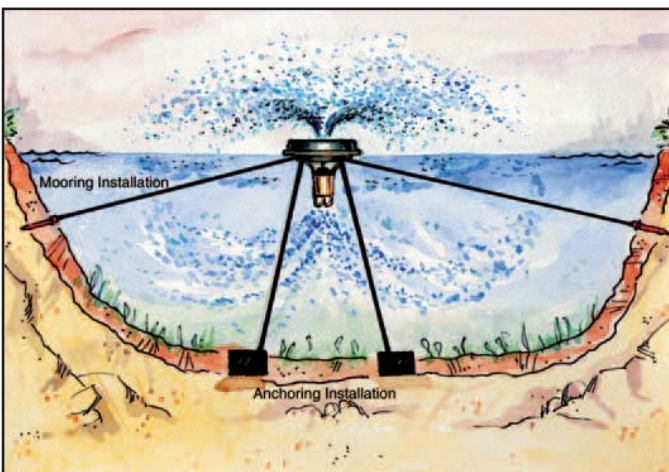


Warranty

Being a family owned business, Otterbine believes in treating customers in an ethical and moral manner. Otterbine's commitment to the customer and to quality products is evident by a complete five-year warranty on all aerating fountains, three-year warranty on industrial aerators and a complete two-year warranty on Air Flo, Aqua Series and all Otterbine fountain products. Otterbine believes in offering you the strongest warranty available in an effort to provide you with years of worry free service.

Installation

Otterbine aerating fountains, surface spray industrial aerators and fountain units are typically moored from shore to shore or anchored to the bottom of the pond as depicted in the illustration below. The power control center is mounted on shore and then insulated underwater cable is run from the power control center to the unit. For more information on installation, please visit our Web site at **www.otterbine.com** or see the individual fact sheet for the product you are interested in.





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For our most current product specifications and promotions visit our website.

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