

FUNCTIONAL BEAUTY[®]

Awareness of water quality management has never been higher. In our environmentally conscious world, today's successful aquatic managers are making aeration equipment the foundation of their aquatic management programs. Their goal is to increase the dissolved oxygen level, which stimulates the natural cleanup process, resulting in an aesthetically pleasing, healthy body of water.

Aeration is a natural, environmentally-safe and highly effective water quality management tool. It addresses a wide range of water quality problems, including algae build-up, aquatic weeds, bottom sludge, foul odors, insect infestation, and stagnation in lakes and ponds.

AquaMaster[®] products are available in both 60 and 50 Hz, from 1/3 to 25 HP, in which ever voltage is required. With thousands of successful projects around the world, we know you'll be pleased with your AquaMaster[®] Fountains and/or Aerators performance. Our Commitment to Excellence in designing, building and delivering Superior Aquatic Management Systems is the key to your success.

Choose the industry leader for quality and dependable Fountains and Aerators for all your aquatic requirements. Let us help you Master the Power and Beauty of Water.



AquaMaster's[®] Commitment to You

Quality Warranties:

Masters Series[®] - ½ HP ; 5 yrs, 1 to 5 HP; (5 yrs, Dom. 3 yrs. Int.)
7.5 and 10 HP; 3 yrs
Classic Series - 1 to 5 HP; 3 yrs, ½ HP; 2 yrs
Celestial Fountains[®] - 10 to 25 HP; 3 yrs
Fixed Base Fountains - 1 to 5 HP; (5 yrs, Dom. 3 yrs. Int.)
½ HP; 3 yrs
Volcano II and Hydromax - 1.5 to 5.5 HP; 5 yrs ½ HP; 3 yrs
AquaAir[®] - Compressor & Cooling Fan; 2 yrs
AquaAir[®] - Diffuser & Tubing; (5 yrs, Dom. 3 yrs. Int.)
Stainless Steel Cabinet; Limited Lifetime
Oxymax[®] & Ultimax[®] - 1 to 5 HP; 3 yrs, ½ HP; 2 yrs
Night Glow Lighting - LED; 3 yrs; Halogen; 3 yrs (bulbs excluded)
Control Panel - 3 yrs

Performance

All AquaMaster products built to exacting standards. Tested, listed and/or certified in house by the following independent agencies: Underwriters Laboratories (UL and cUL), CE, St. Anthony Falls Laboratory at the University of Minnesota, and GSEE, Inc, TN.

WORLDWIDE SALES & DISTRIBUTION NETWORK

Authorized factory trained sales and service distributors to provide support

Expedient Production Lead Times

½-5 HP; 3 to 5 days, 7.5 - 25 HP; 5 to 10 days, Parts; 1 to 2 days. Custom Designs; consult factory

Ease of Installation

All products are designed with superior installation features requiring minimum assembly

Competitively Priced Value Added Products

Highest quality design, fabrication, performance and support for your dollar

Factory Support

Committed staff to assist in sales, service, installation, engineering, marketing, and any other areas of need



TABLE OF CONTENTS

MASTERS SERIES[®] 4

CLASSIC SERIES 46

CELESTIAL FOUNTAINS[®] 52

FIXED BASE WATER FEATURE FOUNTAIN 66

HIGH PERFORMANCE AERATION SYSTEM VOLCANO II & HYDROMAX SERIES 72

HIGH PERFORMANCE DIFFUSED AQUAAIR[®] SERIES 80

ULTIMAX & OXYMAX DIRECTIONAL FLOW MIXER/AERATION SYSTEMS 86

NIGHT GLOW LIGHTING SYSTEMS 90

ACCESSORIES AND ELECTRICAL 94



MASTERS SERIES®

Discover the Power & Beauty of the Masters Series® by AquaMaster®. These revolutionary fountains are available in a wide variety of spray patterns. All Masters Series® (except Captiva & Kiawah) are interchangeable and provide you with the ability to change spray patterns. (Flow straightener may be required.) This flexibility gives you the power to create dazzling waterscapes while improving water quality.



SPRAY PATTERN DISPLAYS

BASIC FLOW PATTERNS-(BFP)

This group of patterns is easily interchanged with each other to create a variety of patterns.



Ace - Pg. 7



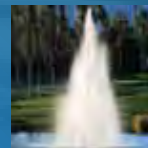
Birdie - Pg. 12



Biscayne - Pg. 13



Crown & Geysier - Pg. 17



Crystal Geysier - Pg. 18



Eagle - Pg. 23



Geysier - Pg. 25



Lakewood - Pg. 28



Par - Pg. 32



Wide Geysier - Pg. 41

STRAIGHTENED FLOW PATTERNS-(SFP)

This group includes patterns utilizing flow straightener technology and are easily interchanged with each other.



Arabella - Pg. 8



Augusta - Pg. 9



Bayside - Pg. 10



Baytree - Pg. 11



Champion - Pg. 15



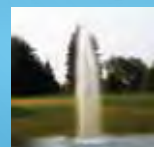
Colonial - Pg. 16



Diamondback - Pg. 20



Doral - Pg. 21



Dbl. Eagle - Pg. 22



Firestone - Pg. 24



Half Moon - Pg. 26



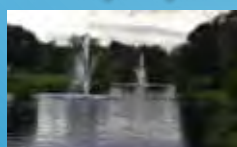
Medinah - Pg. 30



Monterey - Pg. 31



Prestwick - Pg. 33



Riviera - Pg. 35



Royal - Pg. 36



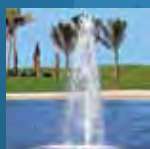
Turnberry - Pg. 39



Vahalla - Pg. 40

SPECIALTY PATTERNS

The popular Captiva pattern utilizes a specialty nozzle assembly and is not interchangeable. The Kiawah high horsepower two-tier pattern utilizes a spray ring assembly and is not interchangeable.



Captiva - Pg. 14



Kiawah - Pg. 27

ADJUSTABLE STRAIGHTENED FLOW PATTERNS-(ASFP)

This group of patterns dimensions can be easily adjusted by the turning of the lock nut assembly. Patterns in this group are interchangeable with each other.



Cypress - Pg. 19



Longbow - Pg. 29



Reflection - Pg. 34



Sanibel - Pg. 37



Sawgrass - Pg. 38



1 HP Ace

ACE

Full circle, two-tiered pattern with multi-point center formation.

Basic Flow Pattern (BFP)



5 HP Ace

60Hz	Horsepower	1	2	3 & 3.5	5
	HT x DIA ft UPPER	4 x 10	6 x 11	8 x 12	10 x 12
	HT x DIA ft LOWER	3 x 22	4 x 26	5 x 32	6 x 35
50Hz	Horsepower	1	2	3	5
	HT x DIA m UPPER	1.8 x 3.1	2 x 3.1	2.1 x 3.7	3.7 x 3.7
	HT x DIA m LOWER	0.8 x 7.6	0.9 x 9.1	0.9 x 9.1	1.5 x 13.4

ARABELLA

A sparkling, two-tiered pattern consisting of an upper multi-stream, and a lower full conical spray design. Provides dazzling aesthetics with the additional benefit of surface spray aeration.

Straightened Flow Pattern (SFP)



5 HP Arabella

60Hz	Horsepower	½	1	2	3 & 3.5	5	7.5 & 10
	HT x DIA ft UPPER	6 x 8	7 x 12	9 x 15	11 x 16	13 x 18	Consult
	HT x DIA ft LOWER	2 x 20	3 x 28	5 x 35	5 x 38	5 x 55	Factory
50Hz	Horsepower	½	1	2	3	5	7.5 & 10
	HT x DIA m UPPER	1.8 x 2.4	2.1 x 3.7	2.7 x 4.6	3.4 x 4.9	4 x 5.5	Consult
	HT x DIA m LOWER	0.6 x 6.1	.9 x 8.5	1.5 x 10.7	1.5 x 11.6	1.5 x 16.8	Factory



5 HP Augusta

AUGUSTA

A stunning multi-stream display sprouting a center geyser.

Straightened Flow Pattern (SFP)



5 HP Augusta

60Hz	Horsepower	1/2	1	2	3 & 3.5	5	7.5	10
	HT x DIA ft	7 x 14	9 x 20	12 x 28	13 x 30	15.5 x 35	17 x 45	23 x 60
50Hz	Horsepower	1/2	1	2	3	5	7.5	10
	HT x DIA m	2.1 x 4.3	2.7 x 6.1	3.6 x 8.5	3.7 x 9.1	4.7 x 13.7	5.2 x 13.7	7 x 18.3

BAYSIDE

A flared vertical streamed center pattern, combined with a lower tiered crown.

Straightened Flow Pattern (SFP)



5 HP Bayside



3.5 HP Bayside

60Hz	Horsepower	½	1	2	3 & 3.5	5	7.5	10
	HT x DIA ft UPPER	6 x 8	9 x 11	11 x 14	13 x 16	16 x 20	20 x 25	24 x 28
	HT x DIA ft LOWER	1.5 x 10	3 x 18	3 x 22	3 x 24	4 x 30	6 x 30	6 x 34
50Hz	Horsepower	½	1	2	3	5	7.5	10
	HT x DIA m UPPER	1.2 x 1.5	2.3 x 2.7	2.7 x 3.7	4 x 5.5	5.5 x 6.7	6.1 x 7.6	7.3 x 8.5
	HT x DIA m LOWER	0.3 x 1.8	0.1 x 4.9	0.8 x 4.9	0.9 x 6.1	1.2 x 8.5	1.8 x 10.4	1.8 x 10.4



5 HP Baytree

BAYTREE

Crystalline tri-tiered pattern.
The Baytree is only available in 5 HP.

Straightened Flow Pattern (SFP)



5 HP Baytree

60Hz	HORSEPOWER	5
	HT ft UPPER	23
	HT x DIA ft MIDDLE	17 x 17
	HT x DIA ft LOWER	12 x 29
50Hz	N/A	

BIRDIE

Creates a dense, round ball of water, perfect for smaller containments of water.

Basic Flow Pattern (BFP)



5 HP Birdie



5 HP Birdie

60HZ	Horsepower	1	2	3 & 3.5	5
	HT x DIA ft	3 x 5	3.5 x 5	4.5 x 8	5 x 12
50HZ	Horsepower	1	2	3	5
	HT x DIA m	0.9 x 2.1	1.5 x 3.1	2 x 3.7	2.4 x 6.1



3.5 Biscayne

BISCAYNE

Classic narrow two-tier pattern consisting of a center geyser with a lower tiered crown.

Basic Flow Pattern (BFP)



3.5 HP Biscayne

60Hz	Horsepower	½	1	2	3 & 3.5	5	7.5	10
	HT ft UPPER	9	11	14	16	20	25	32
	HT x DIA ft LOWER	6 x 12	7 x 14	10 x 19	10 x 20	14 x 28	16 x 28	18 x 28
50Hz	Horsepower	½	1	2	3	5	7.5	10
	HT m UPPER	1.8	3.7	4.6	5.5	6.7	7.6	9.8
	HT x DIA m LOWER	1.2 x 3	2.4 x 6.1	3.4 x 5.5	3.1 x 7.3	3.7 x 6.7	4.9 x 8.5	5.5 x 8.5

CAPTIVA

A cascading frothy geyser tower. The Captiva pattern requires 42 inches of minimum water depth.

Specialty Pattern

5 HP Captiva



2 HP Captiva

50HZ	Horsepower	1/2	1	2	3 & 3.5	5	7.5	10
	HT x DIA ft	5 x 3	9 x 4	12 x 4	15 x 5	19 x 7	23 x 8	25 x 8
60HZ	Horsepower	1/2	1	2	3	5	7.5	10
	HT x DIA m	1.2 x 0.6	2.7 x 1.2	1.1 x 1.2	4.6 x 1.2	5.8 x 2.1	7 x 2.4	7.6 x 2.4



1 HP Champion

CHAMPION

Classic multi-streamed arch pattern with specific points resulting in a dramatic surface effect.

Straightened Flow Pattern (SFP)



1/2 HP Champion

50Hz	Horsepower	1/2	1	2	3 & 3.5	5	7.5	10
	HT x DIA ft	5.5 x 18	7 x 20	9 x 24	10 x 30	15 x 37	19 x 50	24 x 56
60Hz	Horsepower	1/2	1	2	3	5	7.5	10
	HT x DIA m	1.2 x 3.4	3.2 x 8.2	3.7 x 9.1	4.6 x 10.7	5.5 x 13.4	5.8 x 15.2	7.3 x 17.1

COLONIAL

This two tier pattern has a narrow center geyser, surrounded by a multi-streamed lower tier.

Straightened Flow Pattern (SFP)



2 HP Colonial

60Hz	Horsepower	½	1	2	3 & 3.5	5
	HT ft	9	14	19	20	30
	HT x DIA ft	7 x 18	10 x 26	13 x 32	14 x 35	22 x 60
50Hz	Horsepower	½	1	2	3	5
	HT m	2.7	4.3	5.8	6.1	9.1
	HT x DIA m	2.1 x 5.5	3 x 7.9	4 x 9.8	4.3 x 10.7	6.7 x 18.7



2 HP Crown & Geysier

CROWN & GEYSER

A dramatic pattern that achieves both beauty and aeration results. This nozzle combines a lower tier Crown with the vertical Geysier column of water through its center.

Basic Flow Pattern (BFP)



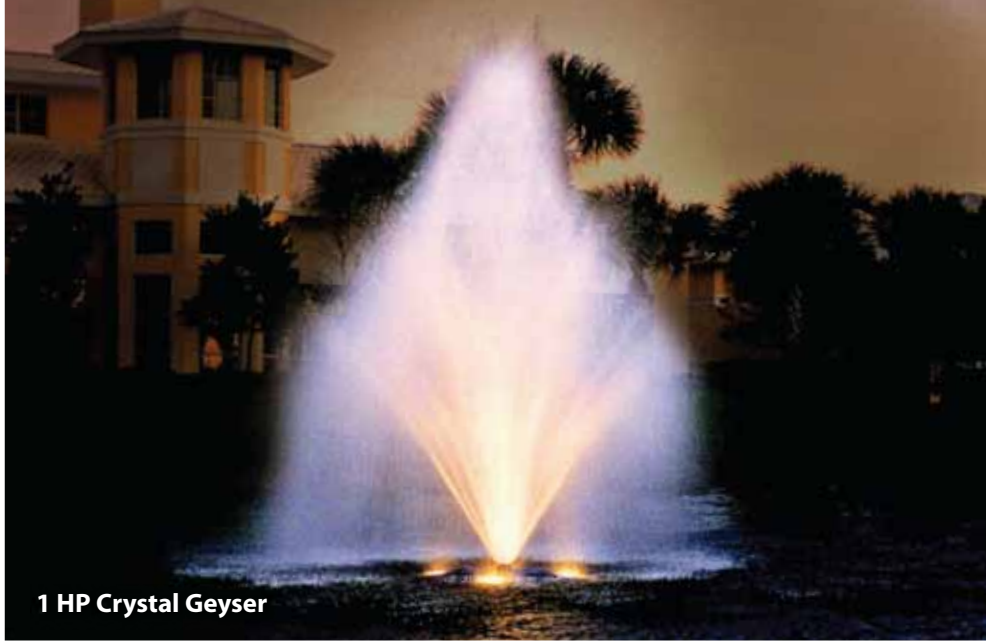
2 HP Crown & Geysier

60Hz	Horsepower	½	1	2	3 & 3.5	5	7.5	10
	HT ft GEYSER	7	13	15	20	22	27	34
	HT x DIA ft CROWN	4 x 24	5 x 35	6 x 40	6 x 42	7 x 50	9 x 52	10 x 54
50Hz	Horsepower	½	1	2	3	5	7.5	10
	HT m GEYSER	1.8	3.7	4.0	5.3	6.7	8.2	10.4
	HT x DIA m CROWN	0.9 x 7.6	1.5 x 7.9	1.8 x 9.4	1.8 x 9.1	3.1 x 15.2	2.7 x 15.8	3 x 16.5

CRYSTAL GEYSER

This nozzle produces a very decorative crystalline spray pattern in an abstract, multi-tiered formation.

Basic Flow Pattern (BFP)



1 HP Crystal Geyser



2 HP Crystal Geyser

50HZ	Horsepower	1/2	1	2	3 & 3.5	5	7.5	10
	HT x DIA ft	8.5 x 20	15 x 26	17 x 30	19 x 30	22 x 32	26 x 34	32 x 34
60HZ	Horsepower	1/2	1	2	3	5	7.5	10
	HT x DIA m	1.8 x 5.5	4 x 7.6	5 x 7.3	5.5 x 7	6.7 x 10.8	7.9 x 10.4	9.8 x 10.4



1 HP Cypress

CYPRESS

Upright funnel-shaped pattern that you can set to your pond's requirements. The Cypress is a height adjustable narrow conical pattern. Dimensions shown are for the highest setting.

Adjustable Straightened Flow Pattern (ASFP)



1 HP Cypress

60Hz	Horsepower	1/2	1	2	3 & 3.5	5
	HT x DIA ft	5 x 8	9 x 14	12 x 18	14 x 20	18 x 24
50Hz	Horsepower	1/2	1	2	3	5
	HT x DIA m	0.9 x 1.5	1.8 x 2.7	2.4 x 3.7	3.1 x 4.9	5.2 x 6.1

DIAMONDBACK

Low height pattern sending streams of water in a tremendous diameter.

Straightened Flow Pattern (SFP)



2 HP Diamondback



2 HP Diamondback

60Hz	Horsepower	1/2	1	2	3 & 3.5	5
	HT x DIA ft	5 x 35	5 x 50	5 x 55	5 x 60	5 x 65
50Hz	Horsepower	1/2	1	2	3	5
	HT x DIA m	0.9 x 7.6	1.5 x 15.2	1.8 x 18.3	2.4 x 20.1	3.7 x 22.6

DORAL

A two-tiered,
multi-streamed
arch pattern.

Straightened Flow Pattern (SFP)



3.5 HP Doral

60Hz	Horsepower	½	1	2	3 & 3.5	5
	HT x DIA ft UPPER	5 x 6	8 x 10	10 x 12	11 x 14	13 x 18
	HT x DIA ft LOWER	3 x 6	4 x 8	5 x 10	5 x 12	7 x 13
50Hz	Horsepower	½	1	2	3	5
	HT x DIA m UPPER	1.5 x 1.8	2.4 x 3	3 x 3.7	3.4 x 4.3	4 x 5.5
	HT x DIA m LOWER	0.9 x 1.8	1.2 x 2.4	1.5 x 3	1.5 x 3.7	2.1 x 4

DOUBLE EAGLE

Statuesque, vertical high geyser pattern that creates a stunning full profile.

Straightened Flow Pattern (SFP)



3.5 HP Double Eagle



5 HP Double Eagle

60Hz	Horsepower	1/2	1	2	3 & 3.5	5
	HT x DIA ft	12 x 2	18 x 5	23 x 5	25 x 5	35 x 5
50Hz	Horsepower	1/2	1	2	3	5
	HT x DIA m	2.4 x 0.3	5.5 x 1.5	6.4 x 1.5	7 x 1.5	7.6 x 2.4

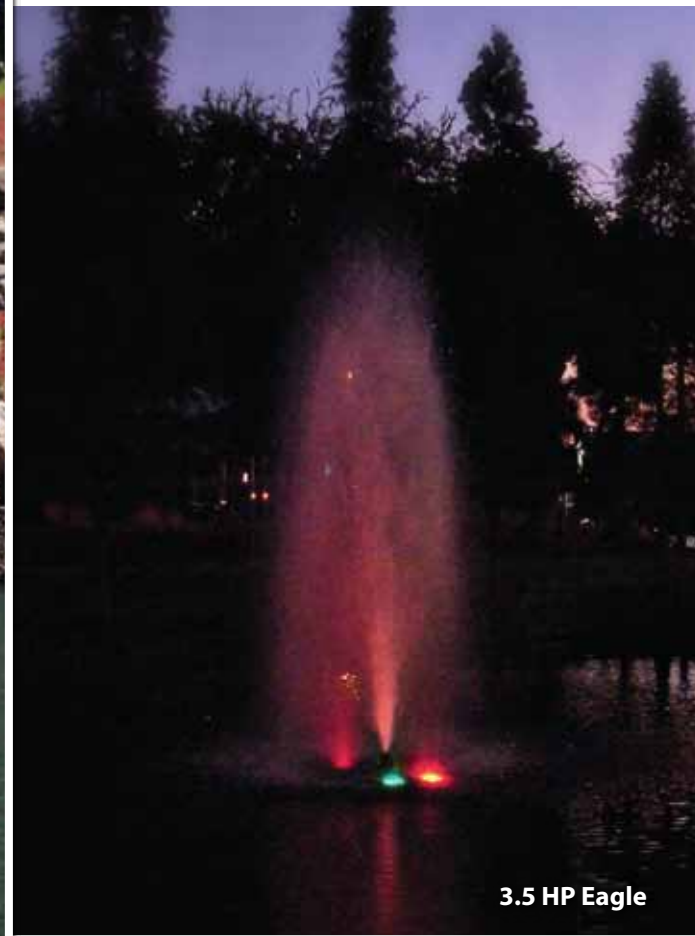


3.5 HP Eagle

EAGLE

Crystalline cascading wide geyser pattern creates a beautiful, full profile.

Basic Flow Pattern (BFP)



3.5 HP Eagle

60Hz	Horsepower	½	1	2	3 & 3.5	5	7.5	10
	HT x DIA ft	10 x 4.5	11 x 8	15 x 9	17 x 11	20 x 12	22 x 12	23 x 13
50Hz	Horsepower	½	1	2	3	5	7.5	10
	HT x DIA m	1.8 x 0.9	3.4 x 3.7	4.3 x 3.7	4.9 x 3.7	5.8 x 3.7	6.7 x 4	7 x 4

FIRESTONE

Beautiful streams creating a tri-tier display.

Strightened Flow Pattern (SFP)



5 HP Firestone



1/2 HP Firestone



3.5 HP Firestone

60Hz	Horsepower	1/2	1	2	3 & 3.5	5	7.5	10
	HT ft UPPER	8.5	11	13	15	18	21	24
	HT x DIA ft MIDDLE	5 x 6	6 x 11	7 x 12	9 x 20	11 x 26	13 x 27	16 x 28
	HT x DIA ft LOWER	2 x 14	2 x 14	3 x 14	3 x 23	4 x 28	6 x 40	8 x 65
50Hz	Horsepower	1/2	1	2	3	5	7.5	10
	HT m UPPER	1.8	3.1	3.7	4.9	6.1	6.4	7.3
	HT x DIA m MIDDLE	1.2 x 1.5	1.5 x 3.1	1.8 x 3.1	2.6 x 4.3	3.1 x 6.1	4 x 8.2	4.9 x 8.5
	HT x DIA m LOWER	0.6 x 4.9	0.8 x 4	0.8 x 4.3	0.9 x 6.7	1.2 x 8.5	1.8 x 12.2	2.4 x 19.8



3.5 HP Geysers

GEYSER

A multi-port nozzle that achieves a dramatic vertical pattern in a solid column of water, fanning slightly at the top.

Basic Flow Pattern (BFP)



1 HP Geysers

50Hz	Horsepower	1/2	1	2	3 & 3.5	5	7.5	10
	HT x DIA ft	12 x 2	18 x 2	20 x 2	24 x 2	28 x 2	34 x 2	40 x 2
60Hz	Horsepower	1/2	1	2	3	5	7.5	10
	HT x DIA m	2.4 x 0.9	5.2 x 0.9	5.5 x 0.9	6.1 x 0.9	7.6 x 0.9	10.4 x 0.9	12.2 x 0.9

HALF MOON

Gorgeous multi-stream pattern resulting in a full floral effect.

Straightened Flow Pattern (SFP)



2 HP Half Moon



5 HP Half Moon

60HZ	Horsepower	1/2	1	2	3 & 3.5	5	7.5	10
	HT x DIA ft	4 x 12	7 x 28	9 x 30	12 x 34	13 x 36	14 x 38	15 x 40
50HZ	Horsepower	1/2	1	2	3	5	7.5	10
	HT x DIA m	0.9 x 3	2 x 7	2.5 x 8.2	3.1 x 9.1	4.9 x 11	4.3 x 11.6	4.6 x 12.2



10 HP Kiawah

KIAWAH

Elegant two tier pattern combining a center geyser and multi-streamed lower tiered spray ring available with 32 or 64 nozzles. The Kiawah is only available in 7.5 HP & 10 HP.

Specialty Pattern



10 HP Kiawah

60Hz	Horsepower	7.5	10
	HT x DIA ft UPPER	Consult	30
	HT x DIA ft LOWER	Factory	18 x 50
50Hz	Horsepower	7.5	10
	HT x DIA m UPPER	Consult	9.1
	HT x DIA m LOWER	Factory	5.5 x 15.2

LAKWOOD

This is the standard base model for the Masters Series®. It produces an ascending conical pattern with subtle aesthetics.

Basic Flow Open Throat Pattern

2 HP Lakewood



1 HP Lakewood

60HZ	Horsepower	½	1	2	3 & 3.5	5	7.5	10
	HT x DIA ft	6.5 x 16	7 x 18	10 x 24	11 x 30	15 x 36	16 x 40	16.5 x 50
50HZ	Horsepower	½	1	2	3	5	7.5	10
	HT x DIA m	1.2 x 4.6	2.2 x 5.5	3.1 x 7.3	3.4 x 9.1	4.6 x 11.6	4.9 x 12.2	5 x 15.2



3.5 HP Longbow

LONGBOW

Two tier pattern consisting of a tight center geyser with a lower tier, full spray crown.

Adjustable Straightened Flow Pattern (ASFP)



5 HP Longbow

60Hz	Horsepower	½	1	2	3 & 3.5	5
	HT ft UPPER	6	9	11	14	16
	HT x DIA ft LOWER	2 x 22	3 x 36	4 x 34	5 x 30	6.5 x 30
50Hz	Horsepower	½	1	2	3	5
	HT m UPPER	1.2	2.4	2.7	3.7	4.9
	HT x DIA m LOWER	0.3 x 4.3	0.9 x 7.3	1.1 x 8.5	1.5 x 8.5	2.1 x 12.2

MEDINAH

Tall multi-streamed arch pattern.

Straightened Flow Pattern (SFP)



1 HP Medinah



2 HP Medinah

50HZ	Horsepower	½	1	2	3 & 3.5	5	7.5	10
	HT x DIA ft	8 x 12	9 x 14	12 x 18	14 x 20	18 x 24	20 x 26	25 x 30
60HZ	Horsepower	½	1	2	3	5	7.5	10
	HT x DIA m	1.8 x 2.4	3.2 x 4.9	3.7 x 5.5	4.6 x 7	6.1 x 9.1	6.1 x 7.9	7.6 x 9.1



5 HP Monterey

MONTEREY

A full spray tri-tier pattern.

Straightened Flow Pattern (SFP)



5 HP Monterey

60Hz	Horsepower	1	2	3 & 3.5	5
	HT ft UPPER	8	12	16	19
	HT x DIA ft MIDDLE	5 x 9	7 x 10	11 x 13	13 x 15
	HT x DIA ft LOWER	3 x 13	4 x 17	7 x 23	8 x 27
50Hz	N/A				

PAR

Heavy-flow version of the two-tier Crown & Geyser. It is a popular choice in higher wind applications.

Basic Flow Pattern (BFP)



3.5 HP Par



5 HP Par

60Hz	Horsepower	1/2	1	2	3 & 3.5	5	7.5	10
	HT ft UPPER	5	6	10	13	15	17	22
	HT x DIA ft LOWER	2.5 x 18	3 x 20	4 x 26	6 x 30	7 x 40	7 x 42	8 x 45
50Hz	Horsepower	1/2	1	2	3	5	7.5	10
	HT m UPPER	0.9	2.1	3.1	3.7	4.6	5.2	6.7
	HT x DIA m LOWER	0.3 x 4.3	0.9 x 7.6	1.2 x 9.1	1.5 x 9.1	2.1 x 13.4	2.1 x 12.8	2.4 x 13.7



5 HP Prestwick

PRESTWICK

Dramatic multi-streamed
two-tiered pattern.

Straightened Flow Pattern (SFP)



5 HP Prestwick

60Hz	Horsepower	½	1	2	3 & 3.5	5	7.5	10
	HT x DIA ft UPPER	8 x 8	10 x 10	10 x 12	12 x 14	13 x 18	16 x 32	20 x 46
	HT x DIA ft LOWER	3 x 25	5 x 30	5 x 32	5 x 35	6 x 40	8 x 48	12 x 80
50Hz	Horsepower	½	1	2	3	5	7.5	10
	HT x DIA m UPPER	1.5 x 2.1	2 x 2.4	2.1 x 3.1	3.4 x 5.5	5.2 x 6.7	4.9 x 9.7	6.1 x 14
	HT x DIA m LOWER	0.9 x 6.1	0.9 x 7	1.1 x 8.5	1.5 x 10.7	2.1 x 15.2	2.4 x 14.6	3.7 x 24.4

REFLECTION

Dazzling, full circle, two-tiered pattern with multiple-stream center formation.

Adjustable Straightened Flow Pattern (ASFP)



3.5 HP Reflection



3.5 HP Reflection

60Hz	Horsepower	½	1	2	3 & 3.5	5	7.5	10
	HT x DIA ft UPPER	5 x 7	7 x 16	9 x 20	12 x 26	13 x 16	14 x 22	16 x 24
	HT x DIA ft LOWER	2 x 20	3 x 22	3 x 30	3 x 30	4 x 37	4 x 40	5 x 46
50Hz	Horsepower	½	1	2	3	5	7.5	10
	HT x DIA m UPPER	1.2 x 1.5	1.5 x 3.7	2.4 x 6.1	3.4 x 7.9	4.3 x 8.5	4.3 x 6.7	4.9 x 7.3
	HT x DIA m LOWER	0.3 x 4.3	0.6 x 5.6	0.9 x 9.1	1.5 x 10.7	2.4 x 14	1.2 x 12.2	1.5 x 14

RIVIERA

A dazzling, three tier display that combines a narrow multi-streamed geyser with two surrounding conical shaped tiers. Great for applications that require a tiered, narrower pattern.

Straightened Flow Pattern (SFP)



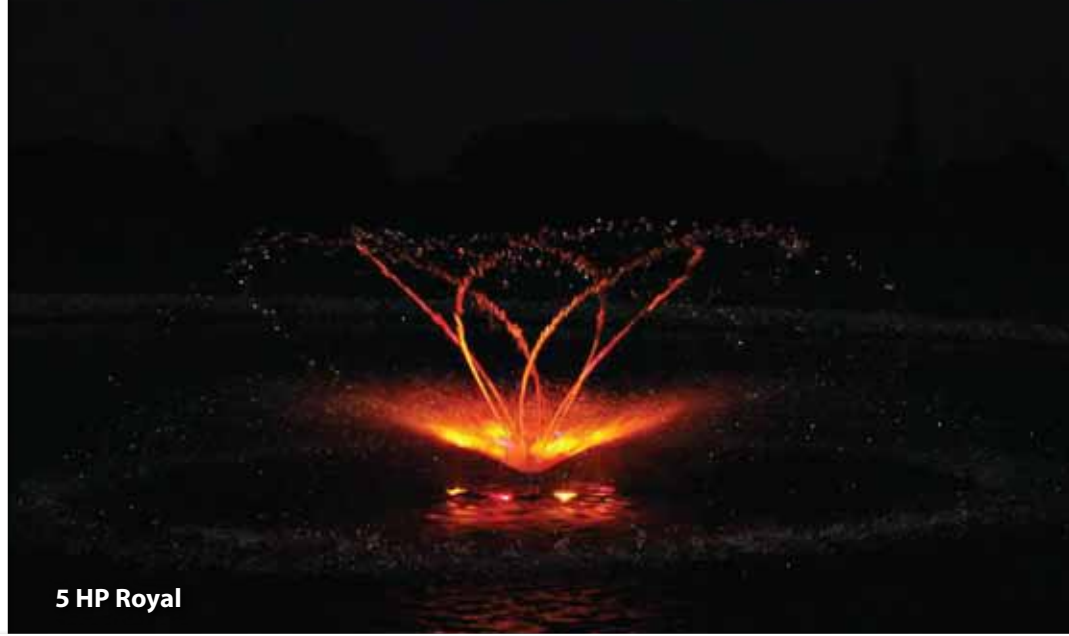
2 HP Riviera

60Hz	Horsepower	½	1	2	3 & 3.5	5
	HT ft UPPER	11	15	20	21	30
	HT x DIA ft MIDDLE	9 x 10	9 x 12	11 x 12	12 x 14	18 x 16
	HT x DIA ft LOWER	6 x 16	3 x 10	4 x 10	4 x 12	9 x 20
50Hz	Horsepower	½	1	2	3	5
	HT m UPPER	3.4	4.6	6.1	6.4	9.1
	HT x DIA m MIDDLE	2.7 x 3	2.7 x 3.6	3.4 x 3.7	3.6 x 4.3	5.5 x 4.9
	HT x DIA m LOWER	1.8 x 4.9	0.9 x 3	1.2 x 3	1.2 x 3.7	2.7 x 6.1

ROYAL

First ever, spectacular two-tier, multiple-point, rotating pattern creating a dramatic effect.

Straightened Flow Pattern (SFP)



5 HP Royal



5 HP Royal

60Hz	Horsepower	½	1	2	3 & 3.5	5	7.5	10
	HT x DIA ft UPPER	4 x 14	6 x 24	6.5 x 24	7.5 x 38	8.5 x 38	12.5 x 40	15 x 50
HT x DIA ft LOWER	2 x 16	3 x 30	3.5 x 32	4 x 38	4 x 42	4 x 40	5 x 60	
50Hz	Horsepower	½	1	2	3	5	7.5	10
	HT x DIA m UPPER	0.9 x 3	1.8 x 7.3	2 x 7.3	2.3 x 11.6	2.6 x 11.6	3.8 x 12.2	4.6 x 15.2
	HT x DIA m LOWER	0.3 x 3.7	0.9 x 9.1	1.1 x 9.8	1.2 x 11.6	1.2 x 12.8	1.2 x 12.2	1.5 x 18.3



5 HP Sanibel

SANIBEL

Taller, full spray adjustable conical pattern

Adjustable Straightened Flow Pattern (ASFP)



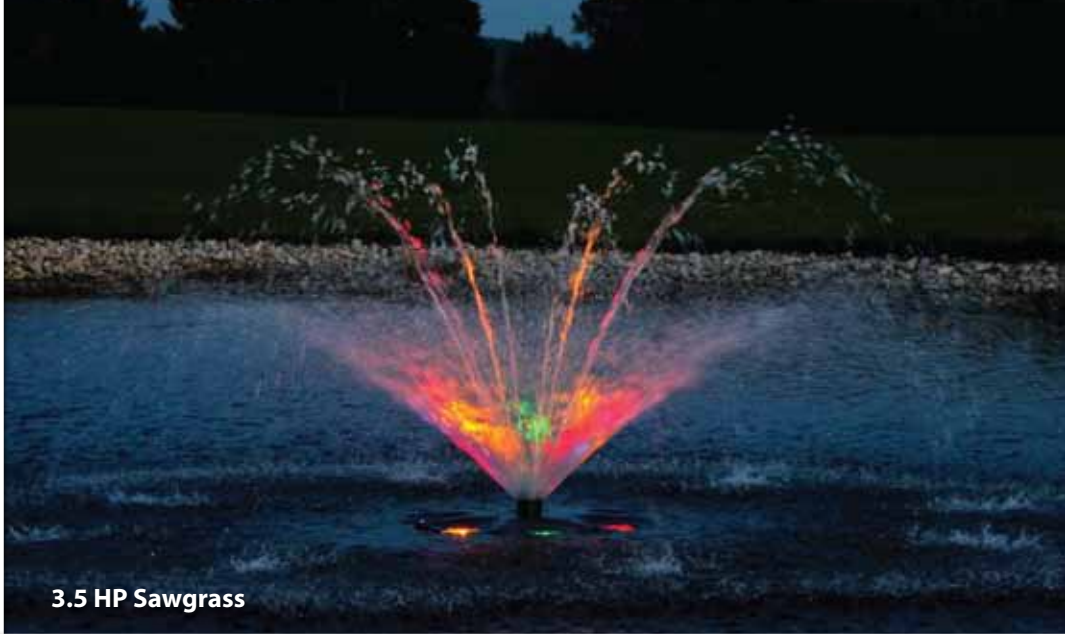
5 HP Sanibel

60Hz	Horsepower	1/2	1	2	3 & 3.5	5	7.5	10
	HT x DIA ft	8 x 10	11 x 14	15 x 17	16 x 18	19 x 20	20 x 16	22 x 18
50Hz	Horsepower	1/2	1	2	3	5	7.5	10
	HT x DIA m	N/A	2.7 x 3.1	3.7 x 4.3	4.6 x 5.5	5.8 x 7.6	6.1 x 4.9	6.7 x 5.5

SAWGRASS

Adjustable two-tier with center arch streamed pattern surrounded by full crown lower tier.

Adjustable Straightened Flow Pattern (ASFP)



3.5 HP Sawgrass



3.5 HP Sawgrass

60Hz	Horsepower	1/2	1	2	3 & 3.5	5	7.5	10
	HT x DIA ft UPPER	6 x 16	8 x 24	10 x 30	13 x 34	15 x 24	16 x 26	19 x 28
	HT x DIA ft LOWER	4 x 20	5 x 24	6 x 30	7 x 34	7 x 38	8 x 44	9 x 52
50Hz	Horsepower	1/2	1	2	3	5	7.5	10
	HT x DIA m UPPER	1.2 x 3.7	1.4 x 3.7	2.4 x 6.1	3.1 x 7.3	4.3 x 7.9	4.9 x 7.9	5.8 x 8.5
	HT x DIA m LOWER	0.9 x 4.9	0.9 x 5.5	1.2 x 9.1	1.5 x 9.1	2.7 x 12.2	2.4 x 13.4	2.7 x 15.8



5 HP Turnberry

TURNBERRY

Popular upright, tightly
streamed, conical pattern.

Straightened Flow Pattern (SFP)



5 HP Turnberry

50HZ	Horsepower	1/2	1	2	3 & 3.5	5	7.5	10
	HT x DIA ft	4 x 10	5.5 x 15	7 x 18	8 x 20	10 x 23	12.5 x 28	15 x 35
60HZ	Horsepower	1/2	1	2	3	5	7.5	10
	HT x DIA m	0.9 x 3	1.9 x 4.9	2.5 x 5.5	3.1 x 7.6	4.6 x 9.8	3.8 x 8.5	4.6 x 10.7

VALHALLA

Stunning tri-tier resulting in both excellent height and diameter.

Straightened Flow Pattern (SFP)



5 HP Valhalla



5 HP Valhalla

60Hz	Horsepower	½	1	2	3 & 3.5	5	7.5	10
	HT ft UPPER	8	10	12	16	18	20	28
	HT x DIA ft MIDDLE	6 x 12	7 x 14	8 x 20	10 x 20	12 x 20	14 x 22	16 x 22
	HT x DIA ft LOWER	3 x 25	3 x 35	4 x 35	4 x 40	5 x 45	7 x 40	8 x 60
50Hz	Horsepower	½	1	2	3	5	7.5	10
	HT m UPPER	5	3.7	3.7	5.2	6.1	6.1	8.5
	HT x DIA m MIDDLE	1.2 x 2.7	2.1 x 3.7	2.4 x 6.1	3.1 x 6.1	3.7 x 9.1	4.3 x 6.7	4.9 x 6.7
	HT x DIA m LOWER	0.5 x 5.5	1.2 x 9.1	1.2 x 10.7	1.8 x 12.2	1.8 x 12.8	2.1 x 12.8	2.4 x 18.3



2 HP Wide Geysers

WIDE GEYSER

Slightly flared, upright
geyser pattern.

Basic Flow Pattern (BFP)



1 HP Wide Geysers

60Hz	Horsepower	1/2	1	2	3 & 3.5	5	7.5	10
	HT x DIA ft	11 x 5	18 x 10	22 x 10	26 x 10	28 x 10	32 x 10	36 x 10
50Hz	Horsepower	1/2	1	2	3	5	7.5	10
	HT x DIA m	2.4 x 1.2	4.3 x 1.2	5.5 x 1.8	6.1 x 2.4	7.32 x 3.1	9.7 x 3	11 x 3

CABLE SIZING CHARTS

IMPORTANT-

AquaMaster recommends consulting a Licensed Electrician to properly size any cable from the main power source to our control panel. Cable runs to the panel located away from main power source requires recalculating voltage drop to insure proper cable sizing. Please contact AquaMaster if assistance is required.

MAXIMUM RECOMMENDED CABLE LENGTH (IN FEET) FROM FOUNTAIN AERATOR TO CONTROL PANEL

Single Phase 3 conductor			3 conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps	#14	#12	#10	#8	#6	#4	#2
1/2 HP	120V	5.0	194	300	500	769	1224	1935	3000
1/2 HP	208-240V	2.5	671	1040	1733	2667	4245	6710	10400
4 conductor: Required on all 1 - 10HP Single Phase & Three Phase Aerators									
Single Phase 4 conductor			4 conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps	#14	#12	#10	#8	#6	#4	#2
1 HP	120V	18.0	--	--	139	214	340	538	833
1 HP	208-240V	9.0	--	289	481	741	1179	1864	2889
2 HP	208-240V	12.0	--	217	361	556	884	1398	2167
3.5 HP	208-240V	15.0	--	--	289	444	707	1118	1733
5 HP	208-240V	26.0	--	--	167	256	408	645	1000
7.5 HP	220-240V	38.0	--	--	--	175	279	441	684
10HP	220-240V	56.0	--	--	--	119	190	300	464

*The 7.5 and 10 HP, Single Phase, models require a minimum voltage of 220. For 208 voltage applications consult factory.

Three Phase 4 conductor			4 conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps	#14	#12	#10	#8	#6	#4	#2
1 HP	208-240V	5.0	--	600	1001	1540	2451	3874	6005
1 HP	440-480V	2.5	--	2540	4234	6514	10369	16390	25404
2 HP	208-240V	6.0	--	500	834	1283	2042	3228	5004
2 HP	440-480V	3.0	--	2117	3528	5428	8641	13658	21170
3 HP	208-240V	10.0	--	300	500	770	1225	1937	3002
3 HP	440-480V	5.0	--	1270	2117	3257	5185	8195	12702
5 HP	208-240V	12.0	--	250	417	642	1021	1614	2502
5 HP	440-480V	6.0	--	1059	1764	2714	4320	6829	10585
7.5 HP	208-240V	24.0	--	125	208	321	511	807	1251
7.5 HP	440-480V	12.0	--	529	882	1357	2160	3415	5293
10 HP	208-240V	33.5	--	--	149	230	366	578	896
10 HP	440-480V	16.7	--	--	634	975	1552	2454	3803

POND SIZING CHART

A pond's surface acreage (S.A.) is determined by multiplying its length by its width in feet then dividing that total by 43,560.

A pond's actual shape and depth should be considered when selecting horsepower and unit size.

Horsepower	Effective Pond Size (S.A.)	Minimum Operating Depth (ft)
1/2	1/2	2'
1	3/4	3'
2	1	3'
3	1-1.5	3'
3.5	1-1.5	3'
5	2	3'
7.5	3	4'
10	4	4'

SUGGESTED SIZING GUIDE 50 HZ

MASTERS SERIES®

CABLE SIZING CHARTS

IMPORTANT-

AquaMaster recommends consulting a Licensed Electrician to properly size any cable from the main power source to our control panel. Cable runs to the panel located away from main power source requires recalculating voltage drop to insure proper cable sizing. Please contact AquaMaster if assistance is required.

MAXIMUM RECOMMENDED CABLE LENGTH (IN METERS) FROM FOUNTAIN AERATOR TO CONTROL PANEL

Single Phase 3 conductor			3 conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps	#14	#12	#10	#8	#6	#4	#2
1/2 HP	220-230V	3.0	180	279	465	716	1140	1802	2794
4 conductor: Required on all 1 - 10HP Single Phase & Three Phase Aerators									
Single Phase 4 conductor			4 conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps	#14	#12	#10	#8	#6	#4	#2
1 HP	220-230V	8.0	--	104	174	268	427	675	1047
2 HP	220-230V	10.5	--	79	133	204	325	515	798
3 HP	220-230V	19.0	--	--	73	113	180	284	441
5 HP	220-230V	24.0	--	--	58	89	142	225	349
Three Phase 4 conductor			4 conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps	#14	#12	#10	#8	#6	#4	#2
1 HP	220-230V	5.0	--	193	322	496	790	1248	1935
1 HP	380-415V	2.6	--	643	1071	1648	2624	4148	6430
2 HP	220-230V	7.0	--	138	230	354	564	892	1382
2 HP	380-415V	3.7	--	451	753	1158	1844	2915	4518
3 HP	220-230V	9.5	--	101	169	261	415	657	1018
3 HP	380-415V	5.0	--	334	557	857	1364	2157	3343
5 HP	220-230V	15.0	--	64	107	165	263	416	645
5 HP	380-415V	8.0	--	208	348	535	852	1348	2089

Horsepower	Effective Pond Size (Ha.)	Minimum Operating Depth (m)
1/2	0.2	0.9
1	0.3	0.9
2	0.4	0.9
3	0.4-0.6	0.9
3.5	0.4-0.6	0.9
5	0.8	0.9
7.5	1.2	1.2
10	1.6	1.2

POND SIZING CHART

A pond's surface acreage (Ha.) is determined by multiplying its length in meters by its width in meters and dividing that total by 10,000. A pond's actual shape and depth should be considered when selecting horsepower and unit size.

NOTE- For shallower operating depths refer to Horizontal Masters Series models.

MASTERS SERIES® STANDARD FEATURES

AquaMaster's® Masters Series® Fountains are engineered and built for superior performance and longevity and backed by the industry's finest warranty. Easily installed and maintained with a wide variety of models and voltages to choose from. Achieving a goal of aesthetics and/or beneficial aeration for your specific requirement is easily attained.



Masters Series®, high quality fountains designed to perform; built to last. Available in over 30 beautiful spray pattern choices. Sizes range from ½ to 10 HP in a variety of single phase and three phase, voltages at both 60Hz and 50 Hz. All models (excluding 50 Hz) are shipped as packages. Packages include fountain, control panel, specific lengths of under water rated power cable. Packages are UL listed for safety and backed by superior factory warranties.

- 1/2 HP (60 Hz) : 3 year warranty
- 1/2 HP (50 Hz) : 2 year warranty
- 1 - 5 HP (60 Hz) : 5 year warranty
- 1 - 5 HP (50 Hz) : 3 year warranty
- 7.5 - 10 HP (60 Hz) : 3 year warranty
- 7.5 - 10 HP (50 Hz) : 3 year warranty
- Total Component UL & cUL Listed and CE Recognized for safety
- All stainless steel power unit construction for extended corrosion resistance and strength
- Specially designed, application oriented, energy efficient oil-cooled motors for increased longevity and performance
- Underwater AquaLock Connector (ALC) cable quick disconnect available on 1/2 HP to 5 HP models
- Standard Control Panel is galvanized, powder coated steel. Stainless steel / fiber glass optional. Custom panel configuration available.
- Simple assembly and installation



DESIGN TYPES

MASTERS SERIES®

1 - 5 HP HORIZONTAL DESIGN

Recessed Night Glow Lighting LED or Halogen

Interchangeable nozzles

Low profile float

Stainless steel intake screen

- 16" Minimum operating depth
- Includes large debris screen
- Only Flow Straightened Patterns are available in the Horizontal Design



1 - 5 HP STANDARD VERTICAL DESIGN

Interchangeable nozzles

Recessed Night Glow Lighting LED or Halogen

Patented, high-efficiency stainless steel impeller system

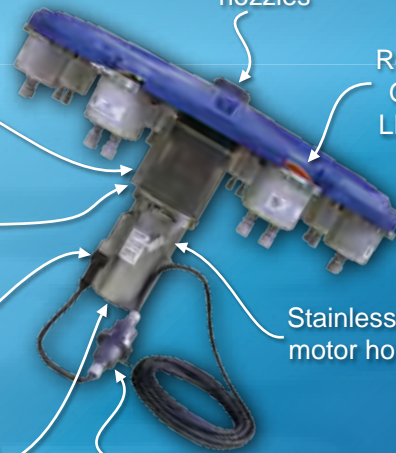
Stainless steel intake screen

AquaLock Connector (ALC)

Stainless steel motor housing

Exclusive custom-designed oil-cooled energy efficient motors

Exclusive underwater cable disconnect



7.5 - 10 HP CART DESIGN

Interchangeable nozzles

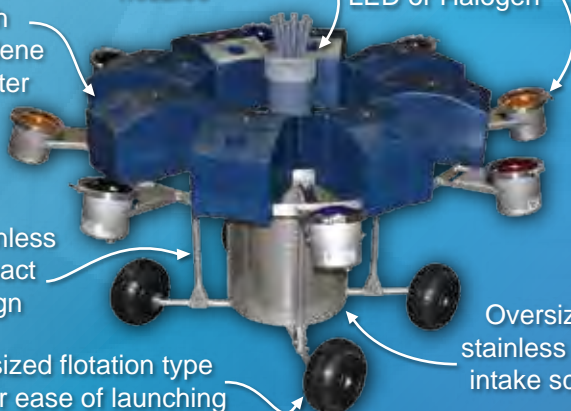
Adjustable Night Glow Lighting LED or Halogen

Individual high density polyethylene floats are in-water adjustable

Rugged stainless steel compact cart design

Oversized flotation type tires for ease of launching

Oversized stainless steel intake screen



CLASSIC SERIES

Predecessor design to Masters Series utilizing propeller technology. This technology allows for limited spray pattern choices and carries a three year warranty. This series is usually utilized to match existing classic series model already in use. Please refer to Masters Series section for state of the art model choices that are more efficient, produce a wider variety of spray patterns, and carry a five year warranty.



CROWN & GEYSER

A beautiful, dramatic pattern that achieves aeration results. This nozzle combines a lower tier Crown with the vertical Geyser column of water through its center.



5 HP Crown & Geyser

60Hz	Horsepower	1/2	1	2	3 & 3.5	5
	HT ft Geyser	4	9	11	13	15
	HT x DIA ft Crown	2.5 x 18	6 x 24	7.5 x 26	8 x 30	10 x 36
50Hz	Horsepower	1/2	1	2	3	5
	HT m Geyser	2.3	2.4	3.4	5.6	5.5
	HT x DIA ft. Crown	3.5 x 25	5.5 x 26	6 x 36	6.5 x 40	9 x 42

STANDARD HIGH VOLUME FLOW

This pattern is achieved by propeller/diffuser combination without a nozzle, resulting in maximum circulation and aeration.



3 HP Standard High Volume Flow

60Hz	Horsepower	1/2	1	2	3 & 3.5	5
	HT x DIA ft	4 x 16	7 x 20	8 x 24	10 x 30	11 x 32
50Hz	Horsepower	1/2	1	2	3	5
	HT x DIA m	1.3 x 6.1	1.7 x 7	2.1 x 7.9	2.6 x 9.8	3.4 x 10.8

WIDE GEYSER

A modification of the Geyser nozzle produces a less dense, more decorative version.



1 HP Wide Geyser

60Hz	Horsepower	1/2	1	2	3 & 3.5	5
	HT x DIA ft	7 x 4	12 x 5	14 x 6	15 x 7	16 x 10
50Hz	Horsepower	1/2	1	2	3	5
	HT x DIA m	3.1 x 2.1	3.7 x 1.8	4.3 x 2.1	5.5 x 2.4	6.1 x 3.1

SEE PAGES 42 AND 43 FOR
CABLE SIZING CHARTS

CLASSIC SERIES

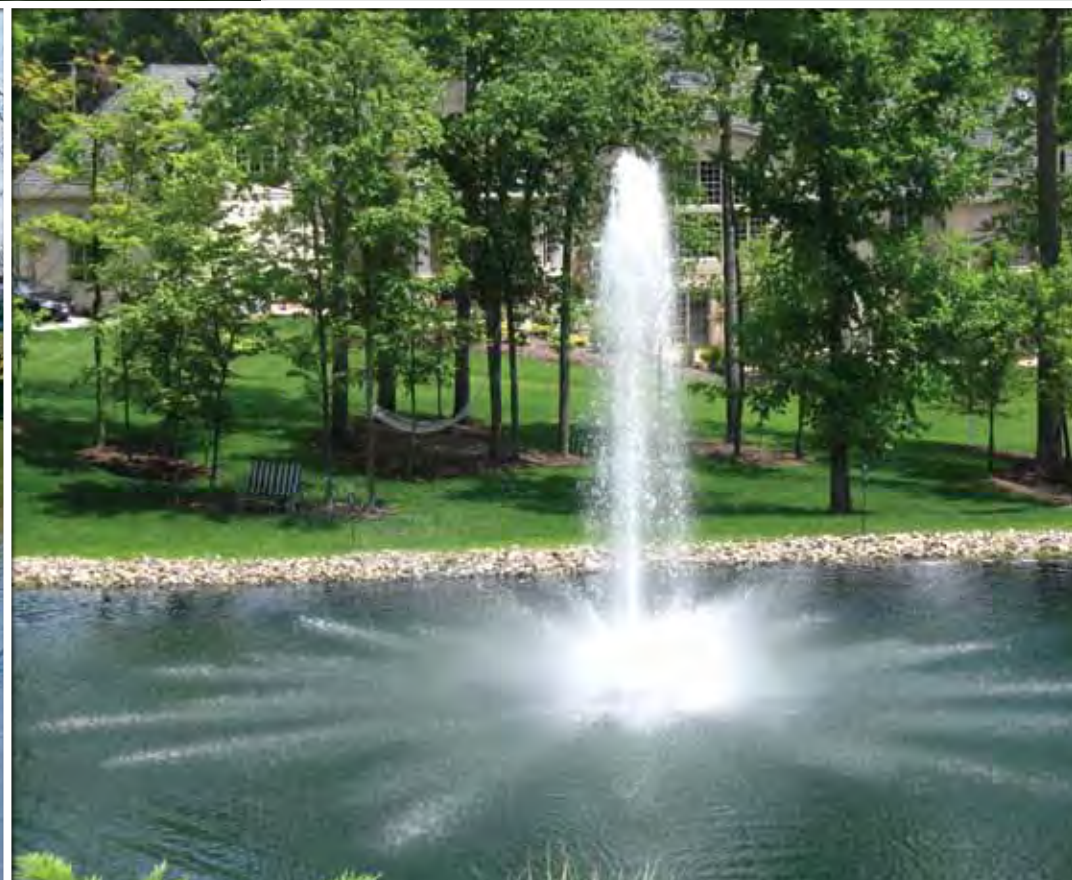
Pond Sizing Guide

A pond's surface acreage (S.A.) is determined by multiplying its length by its width in feet then dividing that total by 43,560.

A pond's surface acreage (Ha.) is determined by multiplying its length in meters by its width in meters and dividing that total by 10,000.

A pond's actual shape and depth should be considered when selecting horsepower and unit size.

HORSEPOWER	EFFECTIVE POND SIZE AERATION	MINIMUM OPERATING DEPTH
1/2	1/2 (S.A.) - 0.2 (Ha.)	2' (0.61m)
1	3/4 (S.A.) - 0.3 (Ha.)	2.5' (0.762)
2	1 (S.A.) - 0.4 (Ha.)	2.5' (0.762)
3	1-1.5 (S.A.) - 0.4-0.6 (Ha.)	2.5' (0.762)
3.5	1-1.5 (S.A.) - 0.4-0.6 (Ha.)	2.5' (0.762)
5	2 (S.A.) - 0.8 (Ha.)	2.5' (0.762)



CELESTIAL FOUNTAINS®

When you want to design a dazzling waterscape, the sky's the limit with AquaMaster's® Celestial Fountains®. Featuring 9+ spray patterns to help you create an impression that is out of this world. All are backed by a Total Component three year warranty that demonstrates AquaMaster's® ongoing Commitment to Excellence in Superior Aquatic Management Systems.



AQUARIUS

Magnificent two-tiered fountain combining a Gemini geyser rising through a perfect, lower circle.



15 HP Aquarius



10 HP Aquarius

60Hz	Horsepower	10	15	20	25
	HT x DIA ft UPPER	32	42	48	56
	HT x DIA ft LOWER	10 x 40	14 x 44	16 x 52	18 x 58
50Hz	Horsepower	10	15	20	25
	HT x DIA m UPPER	9.8	12.8	14.6	17.1
	HT x DIA m LOWER	3.1 x 12.2	4.3 x 13.4	4.9 x 15.8	5.5 x 17.7



25 HP Aries

ARIES

Narrower, two-tiered pattern reaching fantastic heights.



25 HP Aries

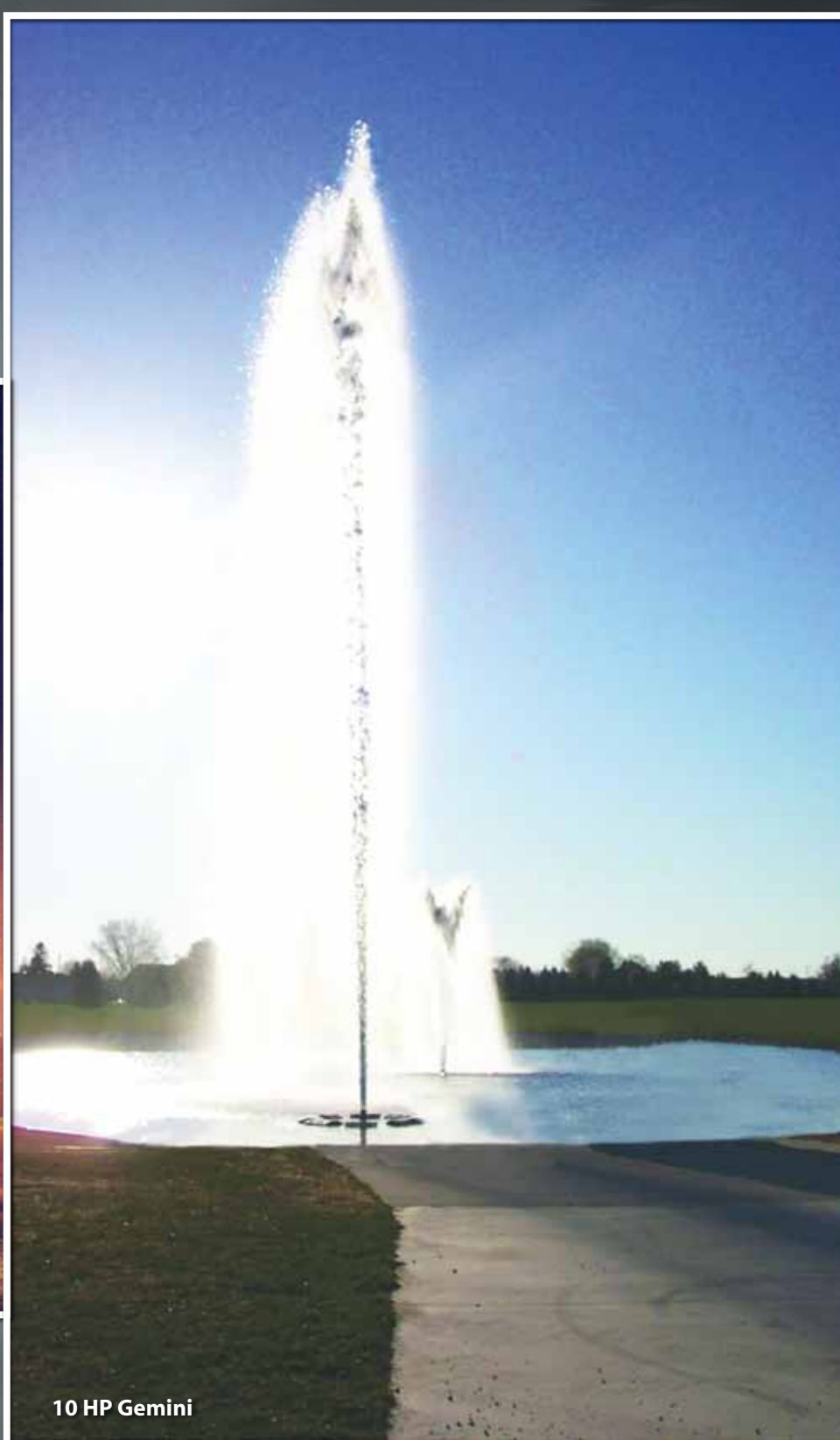
60Hz	Horsepower	10	15	20	25
	HT x DIA ft UPPER	30	40	50	60
	HT x DIA ft LOWER	16 x 35	18 x 40	20 x 45	22 x 50
50Hz	Horsepower	10	15	20	25
	HT x DIA m UPPER	9.2	12.2	15.2	18.3
	HT x DIA m LOWER	4.9 x 10.7	5.5 x 12.2	6.1 x 13.7	6.7 x 15.2

GEMINI

Dramatic geyser reaching amazing heights in a massive column of water.



25 HP Gemini



10 HP Gemini

60HZ	Horsepower	10	15	20	25
	HT x DIA ft	50 x 2	68 x 2	80 x 2	96 x 2
50HZ	Horsepower	10	15	20	25
	HT x DIA m	15.2 x 0.6	20.7 x 0.6	24.4 x 0.6	29.3 x 0.6

LEO

Dramatic wide geyser column of water.



15 HP Leo



10 HP Leo

60Hz	Horsepower	10	15	20	25
	HT x DIA ft	35 x 10	40 x 10	50 x 10	58 x 10
50Hz	Horsepower	10	15	20	25
	HT x DIA m	10.7 x 3	12.2 x 3	15.2 x 3	17.7 x 3

LIBRA

Modification of the Gemini, it creates a wider, feathered geyser effect.

NOTE: The Libra and Pisces patterns result in a mist producing display. AquaMaster® recommends these patterns operate in a protected or sheltered area.



60Hz	Horsepower	10	15	20	25
	HT x DIA ft	26 x 10	36 x 10	42 x 10	48 x 10
50Hz	Horsepower	10	15	20	25
	HT x DIA m	8 x 3	11 x 3	12.8 x 3	14.6 x 3



20 HP Olympian

OLYMPIAN

Our newest fountain in the Celestial Series features a multi-geyser pattern with adjustable valves for harmonizing water columns from full open to stepped patterns for customized look. The Olympian requires a circular float.

Not an Interchangeable Pattern



20 HP Olympian

	Horsepower	10	15	20	25
60Hz	HT x DIA ft UPPER	17 x 3	18 x 3	21 x 4	25 x 4
	HT x DIA ft MIDDLE	14 x 3	15 x 3	16 x 4	20 x 4
	HT x DIA ft LOWER	9 x 3	10 x 3	12 x 4	15 x 4

50Hz

Consult Factory

PISCES

Crystalline abstract
tri-tier geysier.

NOTE: The Libra and Pisces patterns result in a mist producing display. AquaMaster® recommends these patterns operate in a protected or sheltered area.



20 HP Pisces

240Z	Horsepower	10	15	20	25
	HT x DIA ft	28 x 10	36 x 10	44 x 12	50 x 16
50HZ	Horsepower	10	15	20	25
	HT x DIA m	8.5 x 3	11 x 3	13.4 x 3.6	15.2 x 4.9



20 HP Scorpio

SCORPIO

Wide full-flow geyser that creates a massive heavy column of water.

Not an Interchangeable Pattern



15 HP Scorpio with (6) 5HP Captivas

60Hz	Horsepower	10	15	20	25
	HT x DIA ft	25 x 10	30 x 10	32 x 10	37 x 10
50Hz	Horsepower	10	15	20	25
	HT x DIA m	7.6 x 3	9.1 x 3	9.7 x 3	11.3 x 3

TAURUS

Stunning tri-tier reaching amazing heights with a massive column of water.



10 HP Taurus



20 HP Taurus

60Hz	Horsepower	10	15	20	25
	HT ft UPPER	30	40	50	55
	HT x DIA ft MIDDLE	20 x 40	25 x 40	25 x 45	25 x 50
	HT x DIA ft LOWER	10 x 45	10 x 50	12 x 60	15 x 70
50Hz	Horsepower	10	15	20	25
	HT m UPPER	9.2	12.2	15.2	16.8
	HT x DIA m MIDDLE	6.1 x 12.2	7.6 x 12.2	7.6 x 13.7	7.6 x 15.2
	HT x DIA m LOWER	3.1 x 13.8	3.1 x 15.2	3.6 x 18.3	4.6 x 21.3

VIRGO

A narrow, high
two-tier design.



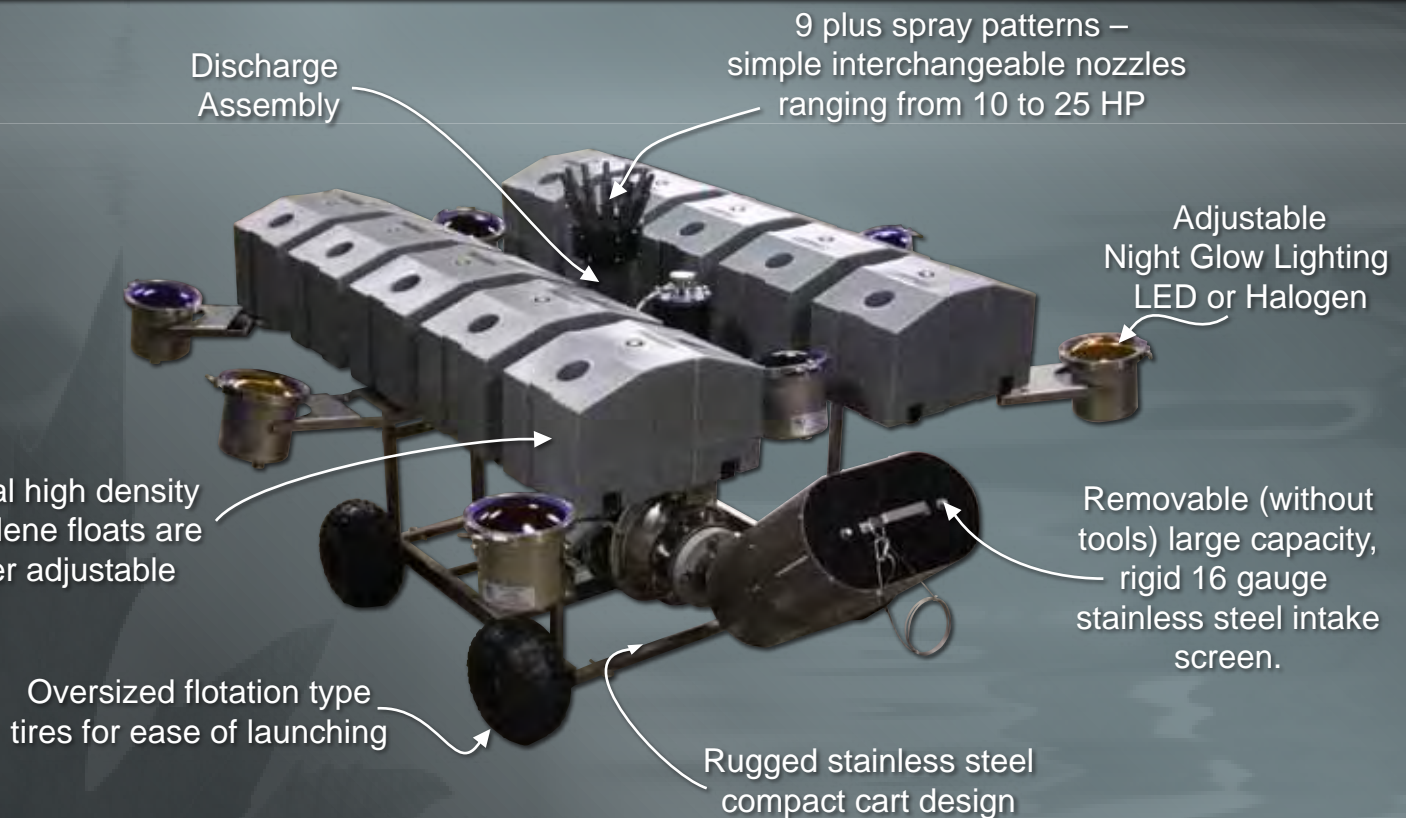
15 HP Virgo

60Hz	Horsepower	10	15	20	25
	HT ft UPPER	30	40	50	60
	HT x DIA ft LOWER	10 x 40	10 x 50	10 x 50	10 x 50
50Hz	Horsepower	10	15	20	25
	HT m UPPER	9.2	12.2	15.2	18.3
	HT x DIA m LOWER	3 x 12.2	3 x 15.2	3 x 15.2	3 x 15.2

CELESTIAL FOUNTAINS®

FEATURES

- 3 year warranty
- Total Component UL & cUL Listed and CE Recognized for safety
- All stainless steel power unit construction for extended corrosion resistance and strength
- Specially designed, application oriented, energy efficient oil-cooled motors for increased longevity and performance
- Minimum operating depth of 4'
- Rain tight, lockable NEMA 3R Control Panel containing 24 hour digital timer, contactor, overload relay, GFCI protection and capacitors (placed in panel for ease of service, single phase only). Enclosures are powder coated galvanized steel for superior corrosion resistance
- Simple assembly and installation
- Wide variety of interchangeable patterns



Adjustable Circular design configuration for Olympian model. Optional for other models.



CABLE SIZING & OPERATION SPECIFICATIONS

CELESTIAL FOUNTAINS®

IMPORTANT-

AquaMaster recommends consulting a Licensed Electrician to properly size any cable from the main power source to our control panel. Cable runs to the panel located away from main power source requires recalculating voltage drop to insure proper cable sizing. Please contact AquaMaster if assistance is required.

MAXIMUM RECOMMENDED TOTAL CABLE LENGTH (IN FEET) FROM FOUNTAIN AERATOR TO CONTROL PANEL

*10 HP, Single Phase, models require a minimum voltage of 220. For 208 voltage applications consult factory.

4 conductor: Required on all 1 - 10HP Single Phase & Three Phase Aerators									
Single Phase 4 conductor			4 conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps	#14	#12	#10	#8	#6	#4	#2
10HP	220-240V	56.0	--	--	--	119	190	300	464
Three Phase 4 conductor			4 conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps	#14	#12	#10	#8	#6	#4	#2
10 HP	208-240V	33.5	--	--	149	230	366	578	896
10 HP	440-480V	16.7	--	--	634	975	1552	2454	3803
15 HP	208-240V	46.0	--	--	--	167	266	421	653
15 HP	440-480V	23.0	--	--	460	708	1127	1781	2761
20 HP	208-240V	58.0	--	--	--	133	211	334	518
20 HP	440-480V	29.0	--	--	365	562	894	1413	2190
25 HP	208-240V	72.0	--	--	--	--	170	269	417
25 HP	440-480V	36.0	--	--	294	452	720	1138	1764

60 Hz

MAXIMUM RECOMMENDED TOTAL CABLE LENGTH (IN METERS) FROM FOUNTAIN AERATOR TO CONTROL PANEL

4 conductor: Required on all 1 - 10HP Three Phase Aerators									
Three Phase 4 conductor			4 conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps	#14	#12	#10	#8	#6	#4	#2
10 HP	220-230V	35.0	--	--	46	70	112	178	276
10 HP	380-415V	18.0	--	--	154	238	379	599	928
15 HP	220-230V	46.0	--	--	--	53	85	135	210
15 HP	380-415V	23.0	--	--	121	186	296	468	726
20 HP	220-230V	58.0	--	--	--	42	68	107	166
20 HP	380-415V	32.0	--	--	87	133	213	337	522
25 HP	220-230V	72.0	--	--	--	--	54	86	134
25 HP	380-415V	38.0	--	--	73	112	179	283	439

50 Hz

POND SIZING CHART

60Hz:

A pond's surface acreage (S.A.) is determined by multiplying its length by its width in feet then dividing that total by 43,560.

A pond's actual shape and depth should be considered when selecting horsepower and unit size.

50Hz:

A pond's surface acreage (Ha.) is determined by multiplying its length in meters by its width in meters and dividing that total by 10,000.

A pond's actual shape and depth should be considered when selecting horsepower and unit size.

Horsepower	Effective Pond Size Aeration	Minimum Operating Depth
10	1.6(S.A.) - 0.4(Ha.)	3ft (0.9m)
15	4(S.A.) - 1.4(Ha.)	4ft (1.2m)
20	4(S.A.) - 1.4(Ha.)	4ft (1.2m)
25	4(S.A.) - 1.4(Ha.)	4ft (1.2m)



FIXED BASE WATER FEATURE FOUNTAINS

An elegant and convenient option for many waterscape designs can be AquaMaster's Fixed Base Water Feature Fountains. Designed for smaller water features and pond applications. Fixed Base Water Feature Fountain equipment adds beauty easily and economically.



FIXED BASE WATER FEATURE FOUNTAINS

½ TO 5HP DESIGN

All of our Fixed Base Water Feature Fountains are constructed from stainless steel and include a first nozzle choice from the Masters Series® floating fountain spray patterns.



FEATURES

FIXED BASE WATER FEATURE FOUNTAINS



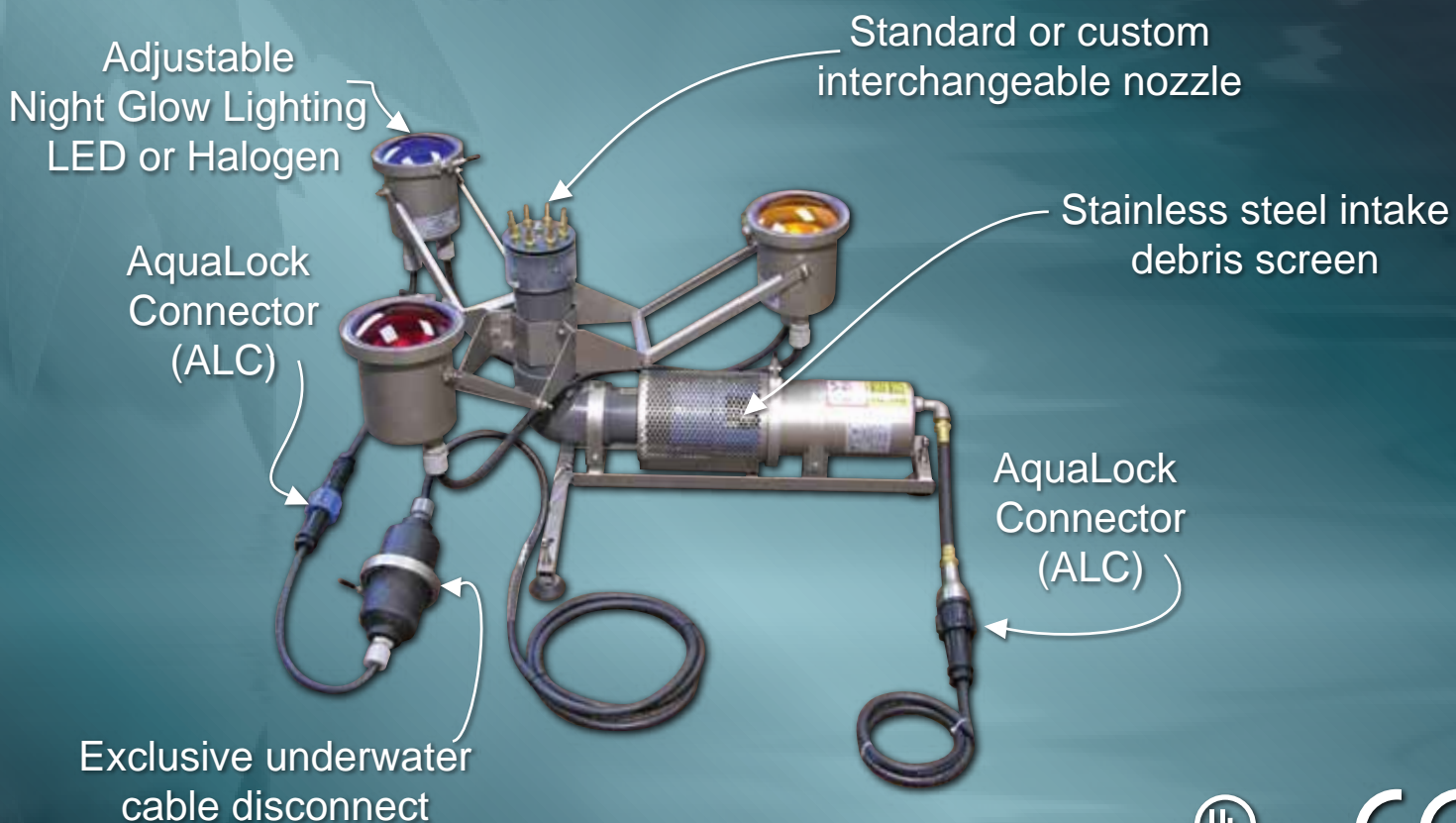
- Available horizontally or vertically mounted
- ½ HP to 5 HP models are available in single and three phase, 120 volt and 240 volt. Also available in 480V three phase.
- No special piping or vault required
- Standard flow straightened nozzle and electrical control panel included
- Lighting systems with optional colored lenses, sequencer and photocell available
- Waterline depth measurement and basin dimensions required when ordering
- Custom inquiries welcome



FIXED BASE FOUNTAIN SERIES

SEE PAGES 42 AND 43 FOR
CABLE SIZING CHARTS

FIXED BASE HORIZONTAL UNIT



Vertical units are also available
for deeper water depths



SEE PAGES 42 AND 43 FOR
CABLE SIZING CHARTS

FIXED BASE FOUNTAIN SERIES

OPERATING DEPTH

Operating depth must be specified since both vertical and horizontal mounted units are available

60Hz

HORSEPOWER	DEPTH	MOUNTING
1/2 HP	15 - 25 inches	Horizontal
1/2 HP	26" and above	Vertical
1-5 HP	18 - 35 inches	Horizontal
1-5 HP	36" and above	Vertical

50Hz

HORSEPOWER	DEPTH	MOUNTING
1/2 HP	38.1 - 63.5 centimeters	Horizontal
1/2 HP	66 centimeters and above	Vertical
1-5 HP	45.7 - 88.9 centimeters	Horizontal
1-5 HP	91.4 centimeters and above	Vertical



VOLCANO II AND HYDROMAX HIGH PERFORMANCE AERATION SERIES

The perfect choice when a high performance, lower profile, floating surface aerator is desired. Volcano II and Hydromax Aeration Series produce astonishing aeration results due to their high GPM pumping rates and oxygen transfer capabilities.



VOLCANO II

The choice when desiring maximum aeration results with a floating surface aerator. The low profile surface eruption pattern is produced by incredible pumping rates which produce high oxygen transfer results.



1/2 HP Volcano



3.5 HP Volcano

60Hz	Horsepower	1/2	1.5	3.5	5.5
	HT x DIA ft	1 x 4	2.5 x 8	3.5 x 12	4.5 x 14
	GPM	420	1298	1975	2680
50Hz	Horsepower	1/2	1.5	3.5	5.5
	HT x DIA m	0.3 x 1.2	0.8 x 2.4	1.1 x 3.7	1.4 x 4.9
	m ³ /hr.	88	327	485	686



1.5 HP Etna

THE
HYDROMAX
SERIES

The Hydromax Series features Volcano II's high volume performance, but with a conical display pattern

ETNA

This high performance Volcano, utilizes a pattern adapter to create a conical display adding aesthetics to the aeration function. The choice for the tough aquatic environment that requires both aeration and beauty.



1.5 HP Etna

60Hz	Horsepower	1/2	1.5	3.5	5.5
	HT x DIA ft	4 x 12	5.5 x 12	7.5 x 22	10 x 24
	GPM	258	517	845	1350
50Hz	N/A				

SHASTA

The sister to Etna, Shasta keeps a lower profile while still providing aeration with simple elegance. Add lighting and she positively shines at night.



3.5 HP Shasta



3.5 HP Shasta

60Hz	Horsepower	½	1.5	3.5	5.5
	HT x DIA ft	1.5 x 7	4 x 10	5 x 16	7 x 18
	GPM	324	664	1070	1415
50Hz	Horsepower	½	1.5	3.5	5.5
	HT x DIA m	0.5 x 1.5	1.4 x 3.1	1.4 x 3.4	2 x 5.5
	m ³ /hr.	66	223	326	358

FEATURES & DESIGN

VOLCANO II & HYDROMAX SERIES



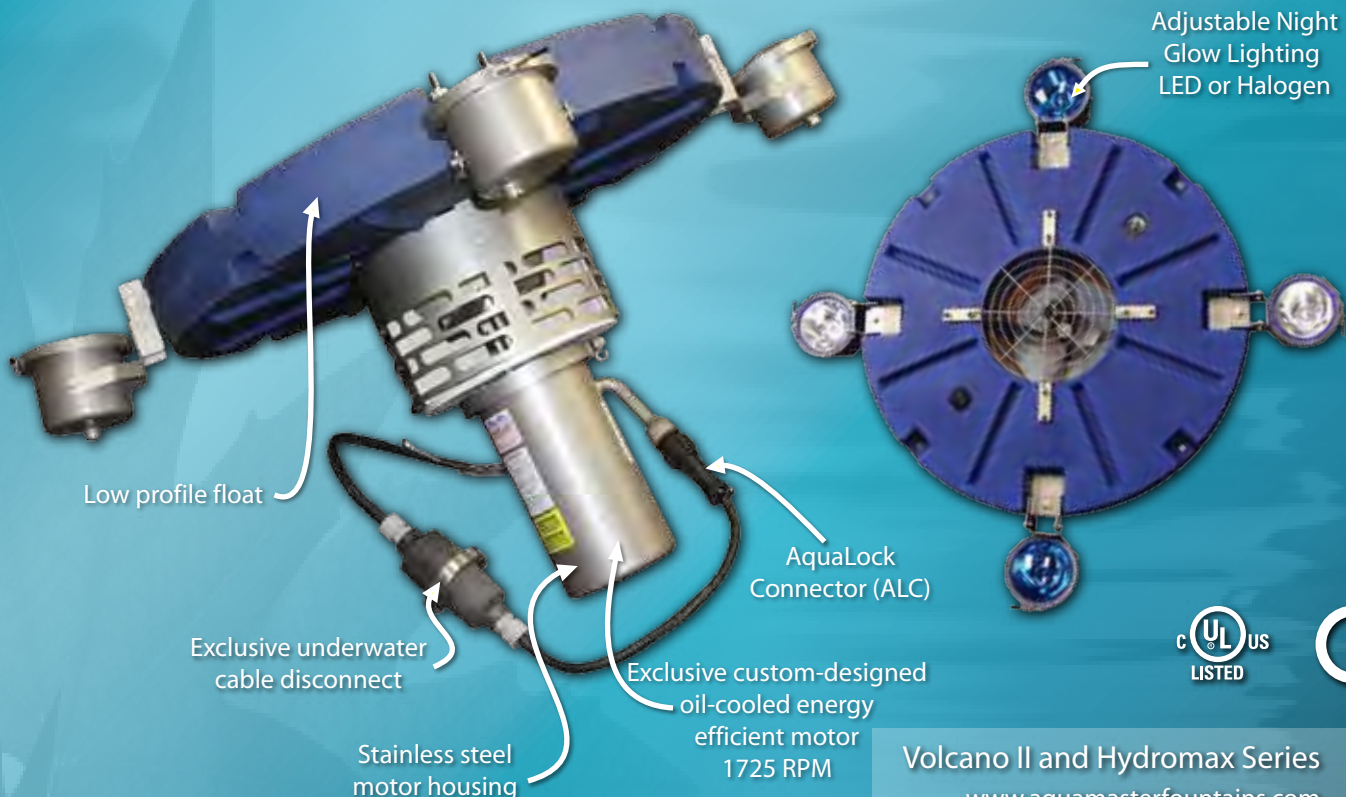
5.5 HP Shasta

FEATURES

- Easily installed
- Only requires three feet of depth (1/2 HP operating depth is 2')
- Works in deeper depths with optional float mounted deep water intake
- Creates an erupting boil. Hydromax models create a conical heavy flow pattern
- 1/2 HP (60 Hz) : 3 year warranty
- 1/2 HP (50 Hz) : 2 year warranty
- 1 - 5.5 HP (60 Hz) : 5 year warranty
- 1 - 5.5 HP (50 Hz) : 3 year warranty
- Quality stainless steel components
- Night Glow Lighting Systems now available for all models

VOLCANO II DESIGN

Top and side views with optional lights configuration. Give even more drama to your Volcano II aerator by adding the UL, cUL Listed and CE Recognized Night Glow LED Lighting System. Any lighting system choice includes stainless steel lamp housings, ready to be installed on the float, sealed with clear tempered glass lenses in a stainless steel clamp ring. Minimal installation is required. All lights remain water-cooled and out of sight below the surface.



VOLCANO II & HYDROMAX SERIES

SUGGESTED SIZING GUIDE 60 HZ

CABLE SIZING CHARTS

IMPORTANT-

AquaMaster recommends consulting a Licensed Electrician to properly size any cable from the main power source to our control panel. Cable runs to the panel located away from main power source requires recalculating voltage drop to insure proper cable sizing. Please contact AquaMaster if assistance is required.

MAXIMUM RECOMMENDED TOTAL CABLE LENGTH (IN FEET) FROM FOUNTAIN AERATOR TO CONTROL PANEL

4 CONDUCTOR: REQUIRED ON ALL VOLCANO II FLOATING SURFACE AERATORS									
SINGLE PHASE 4 CONDUCTOR			4 CONDUCTOR COPPER WIRE GAUGE SIZE						
UNIT	VOLTS	APPROX. AMPS	#14	#12	#10	#8	#6	#4	#2
1/2 HP	120V	7	138	214	357	549	875	1382	2143
1/2 HP	208-240V	3.5	479	743	1238	1905	3032	4793	7429
1.5 HP	208-240V	8	---	325	542	833	1327	2097	3250
3.5 HP	208-240V	16	---	163	271	417	663	1048	1625
5.5 HP	208-240V	26	---	---	167	256	408	645	1000

THREE PHASE 4 CONDUCTOR			4 CONDUCTOR COPPER WIRE GAUGE SIZE						
UNIT	VOLTS	APPROX. AMPS	#14	#12	#10	#8	#6	#4	#2
1.5 HP	208-240V	6	---	500	834	1283	2042	3228	5004
1.5 HP	440-480V	3	---	2117	3528	5428	8641	13658	21170
3.5 HP	208-240V	11	---	273	455	700	1114	1761	2729
3.5 HP	440-480V	5.5	---	1155	1925	2961	4713	7450	11547
5.5 HP	208-240V	16	---	188	313	481	766	1211	1876
5.5 HP	440-480V	8	---	790	1320	2035	3240	5120	7935

POND SIZING CHART

A pond's surface acreage (S.A) is determined by multiplying its length in feet by its width in feet then dividing that total by 43,560. A pond's Actual Shape and depth should all be considered when selecting horsepower and unit size.

HORSEPOWER	SUGGESTED POND SIZE	MINIMUM OPERATING DEPTH
1/2	Up to 3/4	2'
1.5	Up to 1	3'
3.5	1 +	3'
5.5	1 +	3'

SUGGESTED SIZING GUIDE 50 HZ

VOLCANO II & HYDROMAX SERIES

CABLE SIZING CHARTS

IMPORTANT-

AquaMaster recommends consulting a Licensed Electrician to properly size any cable from the main power source to our control panel. Cable runs to the panel located away from main power source requires recalculating voltage drop to insure proper cable sizing. Please contact AquaMaster if assistance is required.

MAXIMUM RECOMMENDED CABLE LENGTH (IN METERS) FROM FOUNTAIN AERATOR TO CONTROL PANEL

SINGLE PHASE 4 CONDUCTOR			4 CONDUCTOR COPPER WIRE GAUGE SIZE						
Unit	Volts	Approx Amps	#14	#12	#10	#8	#6	#4	#2
1/2 HP	220-230V	3.5	155	2400	399	614	977	1545	2395

THREE PHASE 4 CONDUCTOR			4 CONDUCTOR COPPER WIRE GAUGE SIZE						
Unit	Volts	Approx Amps	#14	#12	#10	#8	#6	#4	#2
1.5 HP	220-230V	6.0	--	161	269	414	658	1041	1613
1.5 HP	380-415V	3.0	--	557	929	1429	2275	3595	5573
3.5 HP	220-230V	11.0	--	88	147	226	359	568	880
3.5 HP	380-415V	5.5	--	304	507	779	1241	1961	3040
5.5 HP	220-230V	16.0	--	60	101	155	247	390	605
5.5 HP	380-415V	8.0	--	209	348	536	853	1348	2090

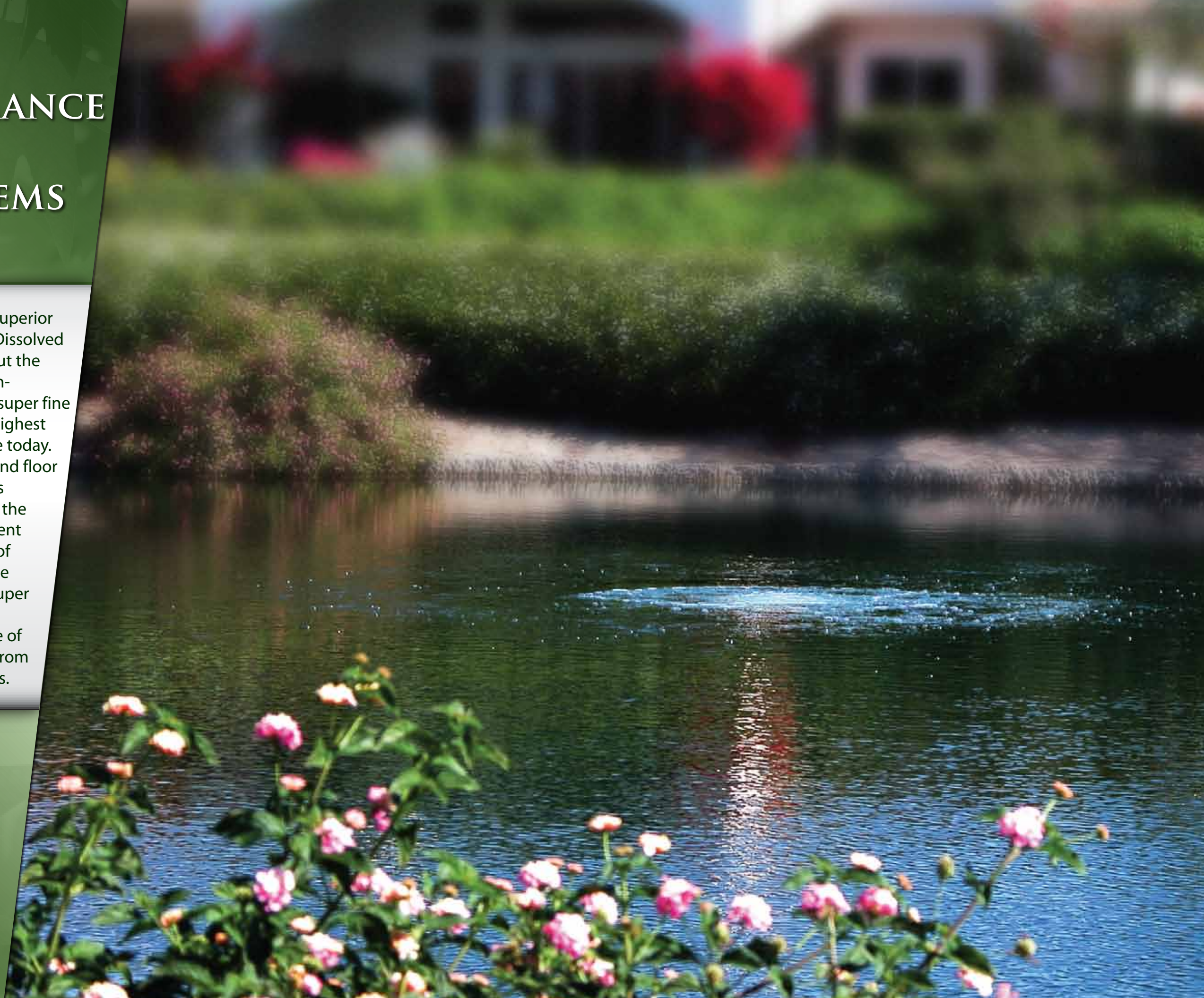
HORSEPOWER	SUGGESTED POND SIZE (Ha.)	MINIMUM OPERATING DEPTH (m)
1/2	Up to 0.3	0.6
1.5	Up to 0.4	0.9
3.5	0.4+	0.9
5.5	0.4+	0.9

POND SIZING CHART

A pond's surface acreage (Ha.) is determined by multiplying its length in meters by its width in meters, then dividing that total by 10,000. A pond's actual shape and depth should be considered when selecting horsepower and unit size.

AQUAAIR® HIGH PERFORMANCE DIFFUSED AIR AERATION SYSTEMS

AquaAir® provides ponds and lakes with superior aeration, circulation, and de-stratification. Dissolved oxygen (DO) levels are increased throughout the entire water column with the use of bottom-mounted diffusers. The diffusers employ a super fine micro-bubble technology resulting in the highest diffuser oxygen transfer rate (OTR) available today. The micro-bubbles draw water from the pond floor to the surface where atmospheric oxygen is absorbed and then transferred throughout the water column. This process provides excellent deterrence to thermal stratification (layers of different temperature within the water). The diffusers are connected by self-weighted Super Sink air supply tubing to a revolutionary cylindrical design enclosure containing one of four compressor sizes. System sizes range from 1/3 to 1 HP and operate with 1 to 6 diffusers.



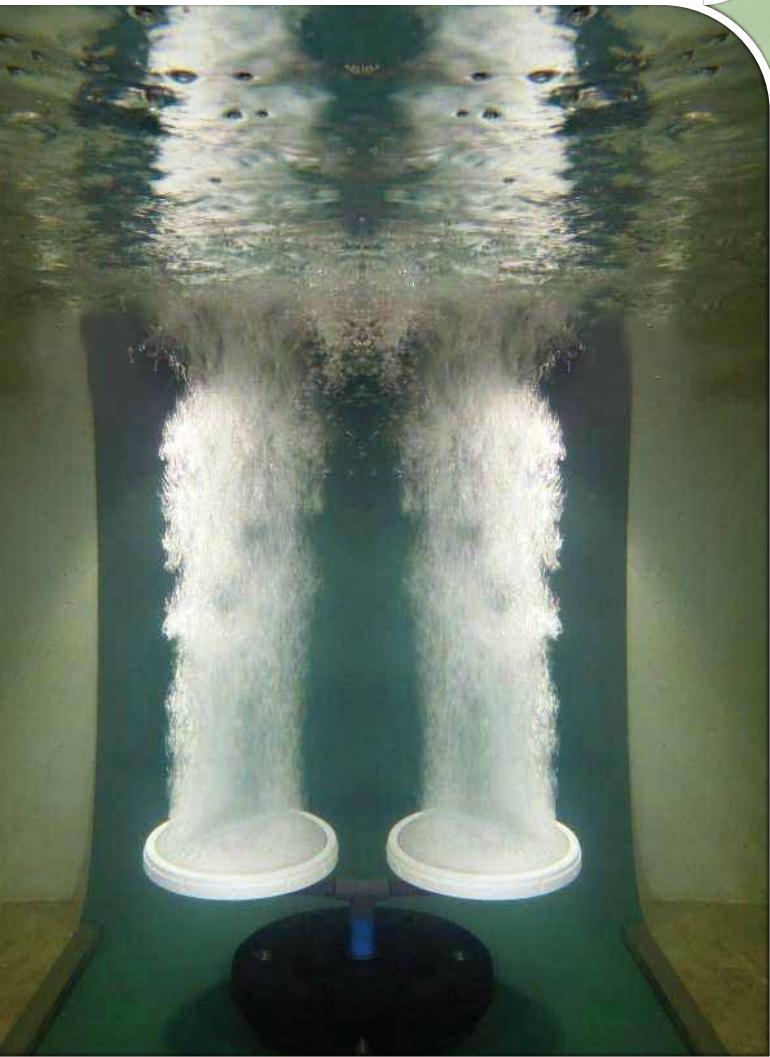
AQUAAIR® AERATION SYSTEM

When superior aeration and de-stratification is desired for water bodies that require a more natural setting, permit safe recreational use, require non-moving or non-electrical parts, or are very deep and/or large, AquaAir® by AquaMaster® is the intelligent choice.



High Performance Membrane Diffuser Technology

- Hollow base design for sand or gravel weighting
- Large base area for soft bottom sediment
- Self-cleaning, low maintenance construction
- Ultra low back pressure check valve
- Micro-bubble technology
- Five year warranty (Diffusers)
- All membranes feature a non-stick coating to prevent biofilm and calcium build-up
- Single membrane features flexible 12" disc
- Dual membrane features two flexible 12" membrane discs
- Quad membrane features four flexible 12" membrane discs



Lake and Pond Benefits

- Entire water column circulation - up to 4000 gallons per minute depending on diffuser depth
- Elimination of thermal stratification
- Increased dissolved oxygen levels that stimulate the natural aerobic digestion process thus reducing nutrient levels and associated algal growth
- Elimination of oxygen related fish kills and expansion of the oxygenated habitat and ecosystem
- Reduction of mosquito and aquatic midge infestations
- Elimination of foul odors from undesirable gases
- Reduction of organic bottom sediment
- Preservation of a healthy aquatic ecosystem and an aesthetically pleasing aquascape to view and enjoy through improved water quality



Compressors

- Manufactured by Gast and Thomas
- 1/3 & 1/2 HP 120V & 240V 1 phase (Piston; PN)
- 3/4 & 1 HP 120V & 240V 1 phase (Rotary Vane; RV)
- Thermal overload motor protection
- 2 Year Warranty

Compressor Enclosures

- Cylindrical stainless steel housing
- Chimney effect assists to cool compressor
- Heavy-duty cooling fan circulates air around compressor
- Stainless steel hasp latch with MASTER LOCK included
- Ground mount and post mount (P) available (post mount available in AquaAir 1 and 2 only)
- Stainless steel cover and hardware - Limited lifetime warranty
- Ease of internal accessibility
- 5 year warranty (cooling fan 2 year warranty)
- 5 optional slatted colored covers in:

Black



Cedar



Green



Grey



Sand



Super Sink Air Tubing

- Flexible, will not crack or kink even in cold temperatures
- Self-weighted for easy installation and quick sinking
- 2 sizes available, in 100' coils; 1/2" and 5/8"
1/2": .52" ID x 1.06" OD,
5/8": .63" ID x 1.15" OD
- Utilizes PVC insert fittings for quick connections
- 5 year warranty

Remote Manifold

Eliminates the need for multiple, more expensive air lines to run in ground and over long distances when the AquaAir® Compressor is located far from the water's edge. Supplied with or without the inground junction box.

AQUAAIR® AERATION SYSTEM

PERFORMANCE SPECIFICATIONS 60 HZ

Voltage - Model	HP	@ 5 PSI	@ 10 PSI	@ 25 PSI
AquaAir 1 * 120V - (P) 9410 240V - (P) 9412	PN (1) 1/3	2.4 CFM 3.0A @ 120V 1.1A @ 240V	2.4 CFM 3.3A @ 120V 1.2A @ 240V	2.1 CFM 4.0A @ 120V 1.5A @ 240V
AquaAir 2 * 120V - (P) 9420 240V - (P) 9422	PN (1) 1/2	4.8 CFM 3.5A @ 120V 1.7A @ 240V	4.8 CFM 3.9A @ 120V 1.9A @ 240V	4.2 CFM 5.0A @ 120V 2.5A @ 240V
AquaAir 3 120V - 9430 240V - 9432	RV (1) 3/4	9.4 CFM 7.4A @ 120V 3.7A @ 240V	8.8 CFM 8.8A @ 120V 4.4A @ 240V	N/A
AquaAir 3 120V - (DW) 9413 240V - (DW) 9423	PN (1) 1/3 & PN (1) 1/2	7.2 CFM 6.3A @ 120V 2.8A @ 240V	7.2 CFM 7.1A @ 120V 3.1A @ 240V	6.3 CFM 9.0A @ 120V 4.0A @ 240V
AquaAir 4 120V - 9440 240V - 9442	RV (1) 3/4	9.4 CFM 7.4A @ 120V 3.7A @ 240V	8.8 CFM 8.8A @ 120V 4.4A @ 240V	N/A
AquaAir 4 120V - (DW) 9414 240V - (DW) 9424	PN (2) 1/2	9.6 CFM 6.8A @ 120V 3.4A @ 240V	9.6 CFM 7.7A @ 120V 3.8A @ 240V	8.4 CFM 10.0A @ 120V 5.0A @ 240V
AquaAir 5 120V - 9450 240V - 9452	RV (1) 1	11.8 CFM 9.6A @ 120V 4.8A @ 240V	10.2 CFM 11.3A @ 120V 5.7A @ 240V	N/A
AquaAir 6 120V - 9460 240V - 9462	RV (1)1	11.8 CFM 9.6A @ 120V 4.8A @ 240V	10.2 CFM 11.3A @ 120V 5.7A @ 240V	N/A

* AquaAir® 1 and 2 are used for both shallow and deep water applications.

** A pond's surface acreage is determined by multiplying its length in feet by its width in feet then dividing that total by 43,560. A pond's actual shape and depth should be considered when selecting a system.

(P) Optional Post Mount Available
(DW) Deep Water

(CFM) Cubic Feet Per Minute
(PN) Piston

(RV) Rotary Vane
(PSI) Pounds Per Square Inch

SYSTEM SIZING CHART

Notes

- Sizing guide based on lake turnover rate of 1.5 - 2 times per day. This is adequate to aerate most low oxygen, organic bottom sediment lakes
- Narrow lakes or lakes with fingers, coves or other physical features that restrict circulation may require additional diffusers
- Lakes with inflow sources of effluent water, highly polluted water, and/or high nutrient drainage run-off water may require additional diffusers

System	Suggested Pond Size (S.A)	Operating Depth
AquaAir 1 *	Up to 1/2 Up to 1	4' - 12' 13' - 35'
AquaAir 2 *	Up to 1 Up to 2	4' - 12' 13' - 35'
AquaAir 3	Up to 2 Up to 3	4' - 12' 13' - 16'
AquaAir 3 (DW)	Up to 3	17' - 35'
AquaAir 4	Up to 3 Up to 4	4' - 12' 13' - 16'
AquaAir 4 (DW)	Up to 4	17' - 35'
AquaAir 5	Up to 4 Up to 5	4' - 12' 13' - 16'
AquaAir 6	Up to 5 Up to 6	4' - 12' 13' - 16'

PERFORMANCE SPECIFICATIONS 50 HZ

AQUAAIR® AERATION SYSTEM

Description & Model #	HP	Voltage @ 1 PHASE	Suggested Pond Size (Ha)	Operating Depths (m)
AquaAir 1 * F50-9410 F50-(P)9410	(1)1/3	220	Up to .2 Up to .4	1.2 – 3.7 4.0 – 10.7
AquaAir 2 * F50-9420 F50-(P)9420	PN (1)1/2	220	Up to .4 Up to .8	1.2 – 3.7 4.0 – 10.7
AquaAir 3 F50-9430 F50-(P)9432	RV (1)3/4	220	Up to .8 Up to 1.2	1.2 – 3.7 4.0 – 4.9
AquaAir 3 (DW) F50-9432	PN (1)1/3 & PN (1)1/2	220	Up to 1.2	5.2 – 10.7
AquaAir 4 F50-9440	RV (1)3/4	220	Up to 1.2 Up to 1.6	1.2 – 3.7 4.0 – 4.9
AquaAir 4 (DW) F50-9442	PN (2)1/2	220	Up to 1.6	5.2 – 10.7
AquaAir 5 F50-9450	RV (1)1	220	Up to 1.6 Up to 2	1.2 – 3.7 4.0 – 4.9
AquaAir 6 F50-9460	RV (1)1	220	Up to 2 Up to 2.4	1.2 – 3.7 4.0 – 4.9

* AquaAir® 1 and 2 are used for both shallow and deep water applications.

** A pond's surface acreage is determined by multiplying its length in meters by its width in meters and dividing that total by 10,000.

A pond's actual shape and depth should be considered when selecting a system.

(P) Optional Post Mount Available
(DW) Deep Water

(CFM) Cubic Feet Per Minute
(PN) Piston

(RV) Rotary Vane
(PSI) Pounds Per Square Inch



OXYMAX® DIRECTIONAL FLOW AERATION SYSTEM

Oxymax® Aeration Systems work from the bottom of the pond, completely submerged, out of sight and silent. It couples an electric motor to a propeller water transport system. The oxygen-depleted water is moved rapidly from the bottom of the pond directly and efficiently to the surface. The cooler, denser water absorbs oxygen as it quickly spreads across the pond. It returns down through the de-stratified layers, providing equal distribution of oxygenated water.

System Features

- Totally out of sight and silent, submerged to bottom
- Lightweight, small size makes it highly mobile and easily relocated for spot problems (1/2 HP)
- Ideal for fish impoundments, keeps ponds open year round (where applicable) eliminating winter kill
- No possible freeze damage - aerator is totally submerged
- Submerged motor and seals lubricated by non-toxic food grade oil for longer life
- 1/2 to 5 HP, 1 and 3 phase motors
- 3 year warranty, 1 HP and larger
- 2 year warranty, 1/2 HP
- Easily adapts to any pond 2.5' to 20' deep
- Low-profile float mounted below waterline
- Quality stainless steel components

Give the aquatic manager a solution to water quality problems when no fountain spray pattern is desired. These silent, vertical mixers are environmentally friendly and will not disturb your aquatic landscape.



1/2 HP Oxymax Aeration System

Oxymax® Sizing

General Rule of Thumb:
1 HP per surface acre. Increase number of units for ponds with restricted circulation and/or severe nutrient load conditions.

PERFORMANCE SPECIFICATIONS

OXYMAX® AERATION SYSTEM

See pages 42 and 43 for Cable Sizing Charts

HORSEPOWER	VOLTAGE & PHASE	APPROX. AMPS	MINIMUM OPERATING DEPTH	MAXIMUM OPERATING DEPTH	60 Hz
½	120-1PH	5	2.5'	20'	
	240-1PH	2.5			
1	120-1PH	18	5'	20'	
	240-1PH	9			
	230-3PH	5			
	460-3PH	2.5			
2	240-1PH	12	5'	20'	
	230-3PH	6			
	460-3PH	3			
3	230-3PH	10	5'	20'	
	460-3PH	5			
3.5	240-1PH	15	5'	20'	
5	240-1PH	26	5'	20'	
	230-3PH	12			
	460-3PH	6			

HORSEPOWER	VOLTAGE & PHASE	APPROX. AMPS	MINIMUM OPERATING DEPTH	MAXIMUM OPERATING DEPTH	50 Hz
½	220-1PH	2.4	2.5' (0.8m)	20' (6m)	
1	220-1PH	10	5' (1.5m)	20' (6m)	
	220-230-3PH	5.8			
	380-415-3PH	2.9			
2	220-1PH	12.5	5' (1.5m)	20' (6m)	
	220-230-1PH	8			
	380-415-3PH	4			
3	220-1-PH	19	5' (1.5m)	20' (6m)	
	220-230-1PH	10			
	380-415-3PH	5			
5	220-1-PH	28	5' (1.5m)	20' (6m)	
	220-230-1PH	18			
	380-415-3PH	9			

ULTIMAX® DIRECTIONAL FLOW AERATION SYSTEM

This series of aerators provides horizontal circulation of water and oxygen at or below the surface. Powered by our exclusive submerged electric motor, the specifically designed propeller circulates water directionally. Available in mixer, aspirator, surface float, or bottom fixed base versions.

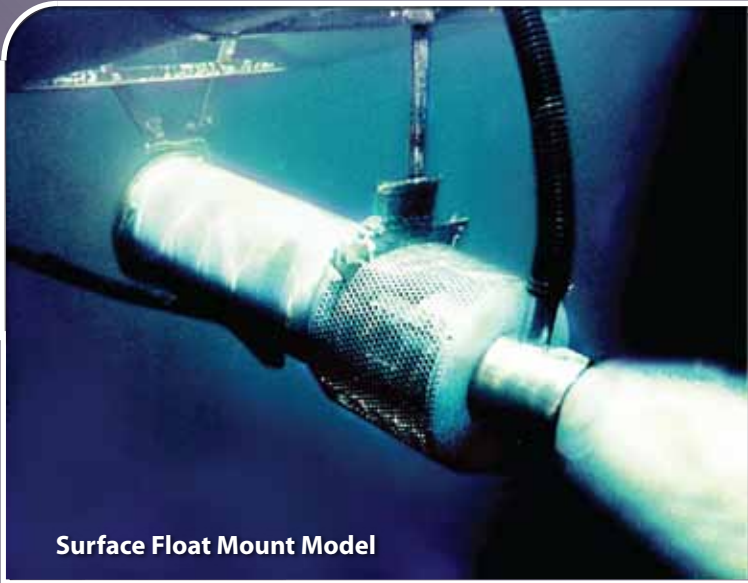
System Features

- Low-profile motor mounted below waterline
- 3 year warranty, 1 HP and larger
- 2 year warranty, 1/2 HP
- Shrouded propeller creates greater circulation
- Adjustable attack angle for greatest efficiency
- Can operate in as little as 2' of depth
- Quality Stainless Steel components
- Site specific with maximum zone of influence
- Available in Surface Float or Fixed Base Bottom Mounts
- Aspirator models feature injected atmospheric oxygen via venturi technology
- Easily adapts to any pond 2.5' to 10' deep
- Not susceptible to freeze damage – aerator is totally submerged
- Ideal for fish impoundments, keeps ponds open year round (where applicable) eliminating winter kill

ULTIMAX® HYDROMIXER



Fixed Base Bottom Mount



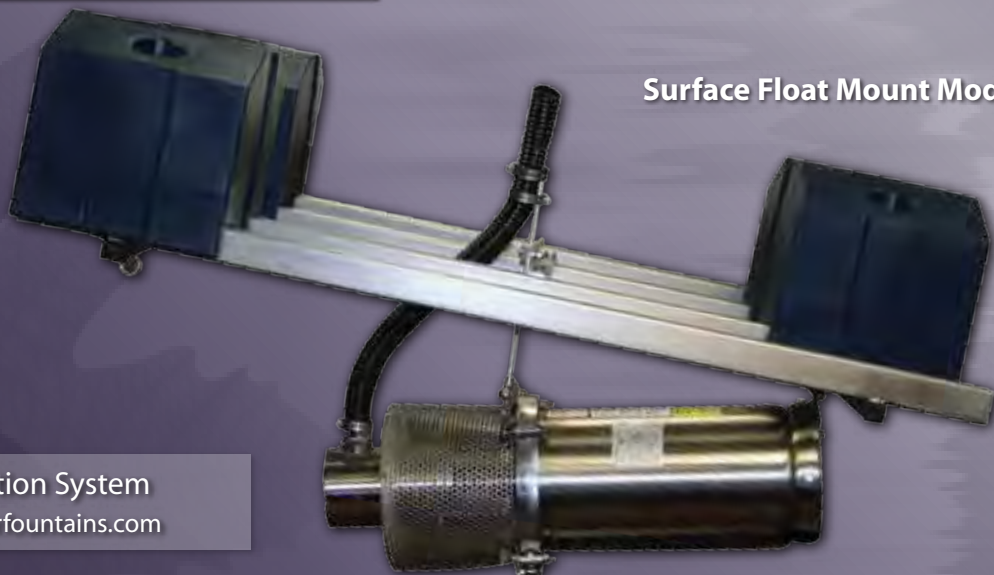
Surface Float Mount Model

ULTIMAX® AIR INJECTOR

General Rule of Thumb
sizing for Ultimax:

3 HP per surface acre.

Increase number of units for ponds with
restricted circulation and/or severe
nutrient load conditions.



Surface Float Mount Model



PERFORMANCE SPECIFICATIONS

ULTIMAX® AERATION SYSTEM

See pages 42 and 43 for Cable Sizing Charts

B designates a bottom fixed base Ultimax® unit.

HORSEPOWER	VOLTAGE & PHASE	APPROX. AMPS	MINIMUM OPERATING DEPTH	MAXIMUM OPERATING DEPTH	(B) MAXIMUM OPERATING DEPTH
½	120-1PH	5	2' (B) 3'	UNLIMITED	20'
	240-1PH	2.5			
1	120-1PH	18	3'	UNLIMITED	20'
	240-1PH	9			
	230-3PH	5			
	460-3PH	2.5			
2	240-1PH	12	3'	UNLIMITED	20'
	230-3PH	6			
	460-3PH	3			
3	230-3PH	10	3'	UNLIMITED	20'
	460-3PH	5			
3.5	240-1PH	15	3'	UNLIMITED	20'
5	240-1PH	26	3'	UNLIMITED	20'
	230-3PH	12			
	460-3PH	6			

60 Hz

HORSEPOWER	VOLTAGE & PHASE	APPROX. AMPS	MINIMUM OPERATING DEPTH	MAXIMUM OPERATING DEPTH	(B) MAXIMUM OPERATING DEPTH
½	220-1PH	3	2' (0.6m) (B) 3' (1m)	UNLIMITED	10' (3m)
1	220-1PH	10	3' (1m)	UNLIMITED	10' (3m)
	220-230-3PH	5.8			
	380-415-3PH	2.9			
2	220-1PH	12.5	3' (1m)	UNLIMITED	10' (3m)
	220-230-3PH	8			
	380-415-3PH	4			
3	220-1PH	19	3' (1m)	UNLIMITED	10' (3m)
	220-230-3PH	10			
	380-415-3PH	5			
5	220-1PH	28	3' (1m)	UNLIMITED	10' (3m)
	220-230-3PH	18			
	380-415-3PH	9			

50 Hz

NIGHT GLOW LIGHTING SYSTEMS

LED

AquaMaster® products are even more dramatic at night with the addition of Night Glow LED or Halogen Lighting Systems.

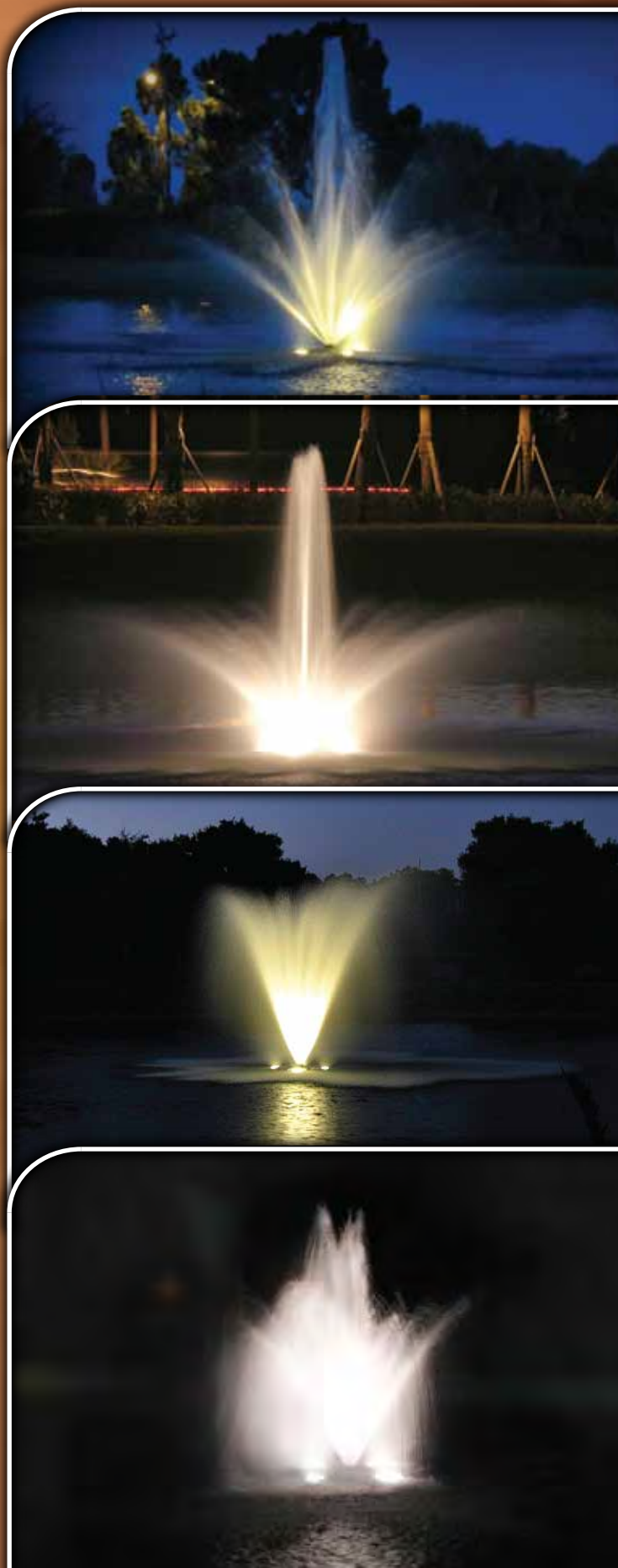
AquaMaster® is proud to introduce its new energy efficient, high lumen output LED lighting for floating and fixed base fountains. LED Lighting Systems consist of LED lamps housed in all stainless steel (SS) submersible fixtures, SS mounting brackets, SS braided fixture jumper cables, electrical controls in unit panel and 50 feet (½-5 HP models) or 100 feet (7.5 and higher HP models) of power cable with AquaLock (ALC) quick disconnect (additional cable ordered as required). All LED lenses can be positioned above or below water. Housing should remain submerged for cooling purposes.

The New LED lighting system is compliant with the Energy Independence and Security Act of 2007.

LED VS. HALOGEN COST %

Light Wattage	Amperage	Operating Cost per Hour	Percent
12 Watt LED	0.36	\$0.004	14%
75 Watt Halogen	2.5	\$0.030	100%
18 Watt LED	0.81	\$0.010	16%
150 Watt Halogen	5	\$0.060	100%
21 Watt LED	0.86	\$0.010	5%
250 Watt Halogen	8.5	\$0.100	50%
500 Watt Halogen	17	\$0.200	100%

Operating Cost based on \$0.10 per kW-hr.
Percent is LED vs. Halogen cost per hour
Information based on comparing 4 light sets



NIGHT GLOW LIGHTING SYSTEMS

Night Glow LED Lighting Systems Include:

- 3-year warranty including LED lamps
- Three fixture options available;
 - 12 Watt LED = 90 Watt Halogen
 - 18 Watt LED = 200 Watt Halogen
 - 21 Watt LED = 350 Watt Halogen
- Significant reduction in energy consumption thus lowering operating cost
- Extended lamp life (rated 45000 hours) virtually eliminates the need to replace lamps and components thus reducing maintenance costs
- Low fixture temperature reduces maintenance issues
- LED lamps are not subject to vibration damage as can be the case with filament type halogen lamps
- Over voltage will not reduce LED lamp life
- Stainless Steel braided underwater cable protection standard on cables between light fixtures
- Most installations require 14 gauge cable for ease of handling and reduced cable costs
- Easily replaces existing light sets

For 480V applications, a small transformer is required

Options such as colored lenses, sequencer and photocell are also available



Night Glow Halogen lighting systems.

2 to 8 light 120 volt systems, ranging from 75 to 500 watts, are available with 6 ma GFCI Protection standard. Low voltage light systems are also available with 50 watt lamps.

Halogen lighting system choices include stainless steel lamp housings ready to be installed. All lights remain water-cooled and out of sight below the surface. All necessary electrical controls, including timer, are pre-wired into the unit's existing control panel. Options such as colored lenses, sequencer and photocell complete your dramatic lighting display.

HALOGEN LIGHTS

MAXIMUM RECOMMENDED TOTAL CABLE LENGTH FOR 5% VOLTAGE DROP

3 Conductor				Copper Wire Gauge Size								
Watts Per Fixture	# of Fixtures	Volts	Approx Amps	#14	#12	#10	#8	#6	#4	#2		
75	2	120	1.3	744	1154	1923	2959	4710	7444	11538		
75	3	120	1.9	509	789	1316	2024	3222	5093	7895		
75	4	120	2.5	387	600	1000	1538	2449	3871	6000		
75	6	120	3.8	255	395	658	1012	1611	2547	3947		
75	8	120	5	194	300	500	769	1224	1935	3000		
150	2	120	2.5	387	600	1000	1538	2449	3871	6000		
150	3	120	3.8	255	395	658	1012	1611	2547	3947		
150	4	120	5	194	300	500	769	1224	1935	3000		
150	6	120	7.5	129	200	333	513	816	1290	2000		
150	8	120	10	--	150	250	385	612	968	1500		
250	2	120	4.2	230	357	595	916	1458	2304	3571		
250	3	120	6.3	154	238	397	611	972	1536	2381		
250	4	120	8.5	114	176	294	452	720	1139	1765		
250	6	120	12.5	--	120	200	308	490	774	1200		
250 *	8	120	17	Requires 2 runs of cable								
2 runs at:				114	176	294	452	720	1139	1765		
500 *	4	120	17	Requires 2 runs of cable								
2 runs at:				114	176	294	452	720	1139	1765		
500 *	6	120	25	Requires 2 runs of cable								
2 runs at:				--	120	200	308	490	774	1200		
500 *	8	120	34	Requires 2 runs of cable								
2 runs at:				--	88	147	226	360	569	882		

LED LIGHTS

MAXIMUM RECOMMENDED TOTAL CABLE LENGTH FOR 5% VOLTAGE DROP

3 Conductor				Copper Wire Gauge Size		
Watts Per Fixture	# of Fixtures	Volts	Approx Amps	#14	#12	#10
12	2	120	0.178	5437	8427	14045
12	3	120	0.267	3625	5618	9363
12	4	120	0.356	2718	4213	7022
12	6	120	0.534	1812	2809	4682
12	8	120	0.712	1359	2107	3511
18	2	120	0.404	2395	3713	6188
18	3	120	0.606	1597	2475	4125
18	4	120	0.808	1198	1856	3094
18	6	120	1.212	798	1238	2063
18	8	120	1.616	599	928	1547
18	12	120	2.424	399	619	1031
21	2	120	0.432	2240	3472	5787
21	3	120	0.648	1493	2315	3858
21	4	120	0.864	1120	1736	2894
21	6	120	1.296	747	1157	1929
21	8	120	1.728	560	868	1447
21	12	120	2.592	373	579	965

IMPORTANT-

AquaMaster recommends consulting a Licensed Electrician to properly size any cable from the main power source to our control panel. Cable runs to the panel located away from main power source requires recalculating voltage drop to insure proper cable sizing. For cable runs exceeding 800 feet consult AquaMaster to insure proper GFCI selection. Please contact AquaMaster if assistance is required.

CABLE SIZING GUIDE 50 HZ

NIGHT GLOW LIGHTING SYSTEM

HALOGEN LIGHTS

MAXIMUM RECOMMENDED TOTAL CABLE LENGTH FOR 5% VOLTAGE DROP

3 Conductor				Copper Wire Gauge Size								
Watts Per Fixture	# of Fixtures	Volts	Approx Amps	#14	#12	#10	#8	#6	#4	#2		
75	2	220	0.7	773	1197	1996	3070	4487	7725	11974		
75	3	220	1.1	492	762	1270	1954	3110	4916	4620		
75	4	220	1.4	286	599	998	1535	2444	3863	5987		
75	6	220	2.1	258	399	665	1023	1629	2575	3991		
75	8	220	2.8	193	299	499	768	1222	1931	2994		
150	2	220	1.4	386	599	998	1535	2444	3863	5987		
150	3	220	2	270	419	699	1075	1711	2704	4191		
150	4	220	2.7	200	310	517	796	1267	2003	3104		
150	6	220	4.1	132	204	341	524	834	1319	2044		
150	8	220	5.5	--	152	254	391	622	983	1524		
250	2	220	2.3	235	364	607	934	1487	2351	3644		
250	3	220	3.4	159	247	411	632	1006	1591	2465		
250	4	220	4.5	120	186	310	478	760	1202	1863		
250	6	220	6.8	80	123	205	316	503	795	1233		
250	8	220	9.1	59	92	154	236	376	594	921		
500	4	220	9.1	59	92	154	236	376	594	921		
500	6	220	13.6	--	62	103	158	252	398	616		
500 *	8	220	18.2	Requires 2 runs of cable								
		2 runs at:		--	14	23	36	57	91	141		

* 2 runs of cable required

LED LIGHTS

MAXIMUM RECOMMENDED TOTAL CABLE LENGTH FOR 5% VOLTAGE DROP

3 Conductor				Copper Wire Gauge Size		
Watts Per Fixture	# of Fixtures	Volts	Approx Amps	#14	#12	#10
12	2	220	0.089	6076	9418	1567
12	3	220	0.1335	4051	6279	10464
12	4	220	0.178	3038	1709	7848
12	6	220	0.267	2025	3139	5232
12	8	220	0.356	1519	2355	3924
18	2	220	0.202	2677	1450	6916
18	3	220	0.303	1785	2766	4611
18	4	220	0.404	1339	2075	3458
18	6	220	0.606	892	1383	2305
18	8	220	0.808	669	1037	1729
18	12	220	1.212	446	692	1153
21	2	220	0.202	1677	4150	6916
21	3	220	0.303	1785	2766	4611
21	4	220	0.404	1339	2075	3458
21	6	220	0.606	892	1383	2305
21	8	220	0.808	669	1037	1729
21	12	220	1.212	446	692	1153

IMPORTANT-

AquaMaster recommends consulting a Licensed Electrician to properly size any cable from the main power source to our control panel. Cable runs to the panel located away from main power source requires recalculating voltage drop to insure proper cable sizing. For cable runs exceeding 800 feet consult AquaMaster to insure proper GFCI selection. Please contact AquaMaster if assistance is required.

ACCESSORIES AND ELECTRICAL

NEMA CONTROL PANEL

Optional Rain tight, lockable NEMA 3R Control Panel containing a 24 hour digital timer, contactor, overload relay, GFCI protection. Enclosures are powder-coated galvanized steel for superior corrosion resistance. Control multiple units conveniently from a Custom Control Panel (CCP) Fiberglass or Stainless Steel



AQUALOCK CONNECTOR (ALC)

Quick disconnect UL listed, waterproof, underwater cable connector for lights and units.



LED SPOTLIGHT

Illuminate your fountain or landscape with an LED Spotlight. The stand and light housing unit are made of stainless steel. The base is easily hidden underground.



NOZZLES

Spray pattern nozzles can be interchanged with many patterns to create stunning and unique fountains.



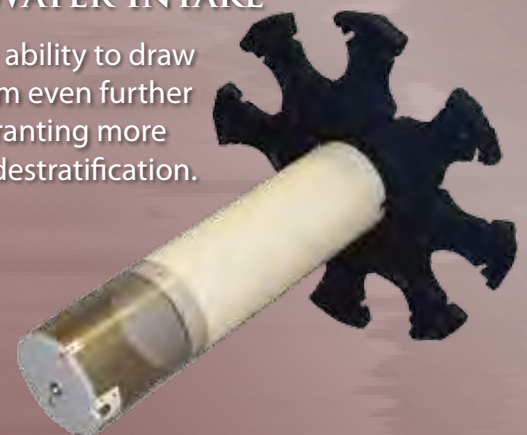
LARGE STAINLESS STEEL INTAKE SCREEN

½ to 5 HP design
Customized for use in high debris water.



DEEP WATER INTAKE

Gives the ability to draw water from even further depths granting more efficient destratification.





SEQUENCER

Lights turn off/on and blend in a magnificent display.



FOUNTAIN WIND SPEED CONTROL

Monitor comes mounted in control panel and features a single and dual stage to reduce or shut down the fountain depending on wind speeds.



VOLTAGE / AMPERAGE METER

Our clamp meters test AC Current, AC Voltage, DC Voltage, Resistance and Continuity. Auto ranging. Easy-to-read display. Tester includes test leads.



CAPACITOR TESTER

The capacitor tester can reliably test all capacitors from 0.01 MFD to 10,000 MFD. It is designed to meet all industrial specifications and service requirements.



LIGHTING VOLTAGE REGULATOR

Converts varying input voltage and produces a constant regulated output voltage.



MEGOHMMETER

Ranges from 20 to 1000 Megohms. Applied voltage is 500 volts. This Megohmmeter is portable and runs off of two "C" size batteries. Two 6" long test leads are stored within the case.

ALSO AVAILABLE:



- Surge Arrester
- Photocells for lighting
- Variable Frequency Drives (VFD)
- Phase monitors for 3 phase power
- Low water shut-off terminal connectors
- Armored protected power cable to prevent rodent Damage

Floating Fountains

Masters Series® · Classic Series · Celestial Fountains®

Fixed Base Water Feature Fountains

Custom Horizontal and Vertical Models

High Performance Aeration Systems

Volcano II & Hydromax Surface Spray Systems
AquaAir® Bottom Diffused Air Systems
Oxymax® and Ultimax® Directional Flow Mixer Systems

Lighting

Night Glow Lighting Systems
LED or Halogen models



MASTER THE POWER AND BEAUTY OF WATER

Visit:

www.aquamasterfountains.com



Address:

16024 County Road X
Kiel, Wisconsin 53042

Phone:

+1920.693.3121

Fax:

+1.920.693.3634

Toll Free:

1.800.693.3144



FLC-12



AQUAMASTER®

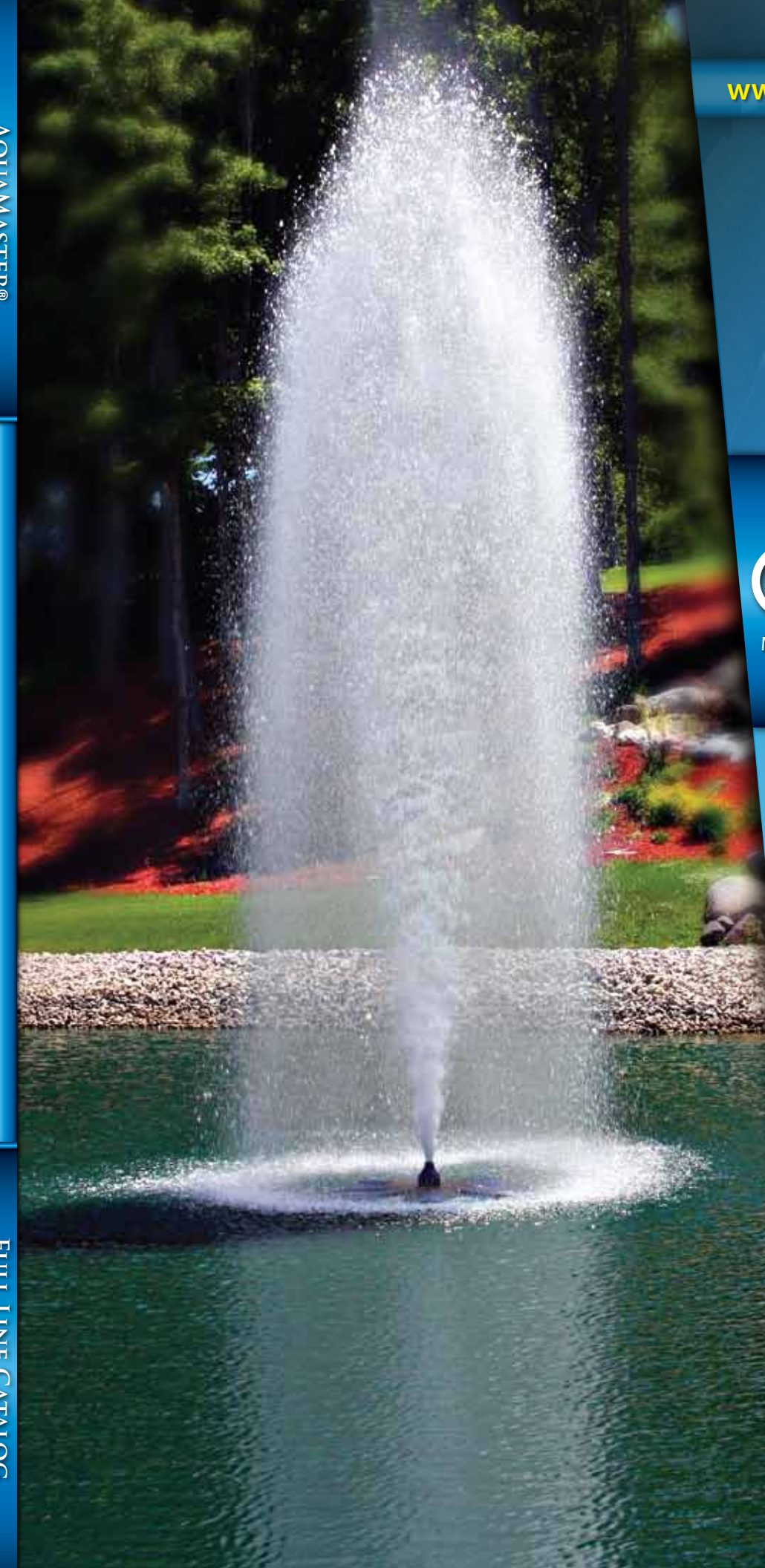
FULL LINE CATALOG

www.aquamasterfountains.com



MASTER THE POWER AND BEAUTY OF WATER

Worldwide leader in the engineering and manufacturing of fountains and aeration equipment for ponds and lakes.



FULL LINE CATALOG

INDEX

TABLE OF CONTENTS.....	3
------------------------	---



MASTERS SERIES®	4
SPRAY PATTERNS	6
ACE	7
ARABELLA	8
AUGUSTA	9
BAYSIDE	10
BAYTREE	11
BIRDIE	12
BISCAYNE	13
CAPTIVA	14
CHAMPION	15
COLONIAL	16
CROWN & GEYSER	17
CRYSTAL GEYSER	18
CYPRESS	19
DIAMONDBACK	20
DORAL	21
DOUBLE EAGLE	22
EAGLE	23
FIRESTONE	24
GEYSER	25
HALF MOON	26
KIAWAH	27
LAKWOOD	28
Longbow	29
MEDINAH	30
MONTEREY	31
PAR	32
PRESTWICK	33
REFLECTION	34
RIVIERA	35
ROYAL	36
SANIBEL	37
SAWGRASS	38
TURNBERRY	39
VALHALLA	40
WIDE GEYSER	41
SUGGESTED SIZING GUIDE 60HZ	42
SUGGESTED SIZING GUIDE 50HZ	43
FEATURES	44
DESIGNS	45

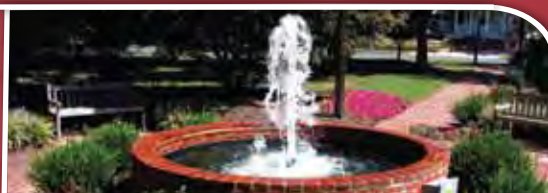


CLASSIC SERIES	46
CROWN & GEYSER.....	48
STANDARD HIGH VOLUME FLOW.....	49
WIDE GEYSER.....	50
CLASSIC CHARTS	51

CELESTIAL FOUNTAINS®	52
AQUARIUS	54
ARIES	55
GEMINI	56
LEO	57
LIBRA	58
OLYMPIAN	59
PISCES	60
SCORPIO	61
TAURUS	62
VIRGO	63
FEATURES	64
CABLE SIZING & OPERATION SPECIFICATIONS	65



FIXED BASE WATER FEATURE FOUNTAINS	66
DESIGN	68
FEATURES	69
SUGGESTED SIZING GUIDE 60HZ	70
SUGGESTED SIZING GUIDE 50HZ	71



HIGH PERFORMANCE AERATION SYSTEM	
VOLCANO II AND HYDROMAX SERIES	72
VOLCANO II	74
ETNA	75
SHASTA	76
FEATURES	77
SUGGESTED SIZING GUIDE 60HZ	78
SUGGESTED SIZING GUIDE 50HZ	79



HIGH PERFORMANCE DIFFUSED AIR	
AQUAAIR SERIES®	80
DIFFUSERS	82
COMPRESSORS	83
SUGGESTED SIZING GUIDE 60HZ	84
SUGGESTED SIZING GUIDE 50HZ	85



OXYMAX & ULTIMAX DIRECTIONAL	
FLOW MIXER / AERATION SYSTEM	86
OXYMAX FEATURES	86
OXYMAX PERFORMANCE SPECIFICATIONS	87
ULTIMAX FEATURES	88
ULTIMAX PERFORMANCE SPECIFICATIONS	89



NIGHT GLOW LIGHTING SYSTEMS	90
SUGGESTED SIZING GUIDE 60HZ	93
SUGGESTED SIZING GUIDE 50HZ	94



ACCESSORIES AND ELECTRICAL	95
---	-----------

