



MASTER THE **POWER AND BEAUTY** OF WATER

16024 County Rd X, Kiel, WI USA 53042 • 800-693-3144 • [www.aquamasterfountains.com](http://www.aquamasterfountains.com)



Full Line  
**CATALOG**

## 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 clean up 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 ½ to 25 HP, in whatever voltage you require. With thousands of successful projects around the world, we know you'll be pleased with your AquaMaster® Fountains and/or Aerators product's 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.

### **"Commitment to Excellence"** Our Mission

*At AquaMaster® Fountains and Aerators, we design and build the highest quality equipment for the care and improvement of aquatic environments. We are committed to providing the highest level of service and assistance to our customers. We are equally committed to our employees to whom we will provide an environment where they will have the maximum opportunity to grow and to prosper.*

**"LET US HELP YOU MASTER  
THE POWER AND  
BEAUTY OF WATER."**

### **PERFORMANCE**

All AquaMaster® products are 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

### **EXPEDITED PRODUCTION LEAD TIMES**

½ HP Masters Decorative Series: 3 to 5 days  
1 – 5½ HP: 4 to 6 days  
7.5 – 25 HP: 10 to 14 days  
Fixed Base Water Features: 10 to 14 days  
Horizontal Masters Series: 5 to 7 days  
AquaAir Ultra: 2 to 3 days  
Solar AAU: 10 to 14 days  
Custom Orders: TBD

### **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.

PLEASE NOTE: AquaMaster® reserves the right to change product specifications, discontinue products, & introduce new products at any time. For the most current electronic version of our Full Line Catalog please visit: [www.aquamasterfountains.com/FullLineCatalog](http://www.aquamasterfountains.com/FullLineCatalog)



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## 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.





Masters Series<sup>®</sup>, high quality fountains designed to perform; built to last. Available in over 30 beautiful spray pattern choices. Sizes range from 1 to 10 HP in a variety of single phase and three phase, voltages at both 60 Hz and 50 Hz. All models (excluding 50 Hz) are shipped as packages. Packages include fountain, control panel, and specific lengths of underwater rated power cable. Packages are UL Listed for safety and backed by superior factory warranties.

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## MASTERS SERIES SPRAY PATTERNS

### Basic Flow Patterns

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



### Straightened Flow Patterns

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



### Adjustable Straightened Flow Patterns

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.



### 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.





## ARABELLA

STRAIGHTENED FLOW PATTERN (SFP)  
VERTICAL OR HORIZONTAL



5 HP ARABELLA

HORSEPOWER	1	2	3 & 3½	5	7½	10	
HT x DIA ft UPPER	5.5 x 7	7 x 10	8.5 x 12	13 x 18	Consult Factory		ZH09
HT x DIA ft LOWER	2 x 24	4 x 35	4 x 38	5 x 55	Consult Factory		
HT x DIA m UPPER	1.8 x 2.4	2.4 x 3.6	3.5 x 4.9	4 x 5.5	Consult Factory		ZH0C
HT x DIA m LOWER	0.9 x 7.9	1.1 x 8.2	1.4 x 11.6	1.5 x 16.8	Consult Factory		

## AUGUSTA

STRAIGHTENED FLOW PATTERN (SFP)  
VERTICAL ONLY



5 HP AUGUSTA

HORSEPOWER	1	2	3 & 3½	5	7½	10	
HT x DIA ft	9 x 20	11.5 x 24	13 x 30	15.5 x 35	17 x 45	23 x 60	ZH09
HT x DIA m	2.4 x 4.9	2.9 x 6.1	4.1 x 9.1	4.7 x 13.7	5.2 x 13.7	7 x 18.3	

## BISCAYNE

BASIC FLOW PATTERN (BFP)  
VERTICAL ONLY



3½ HP BISCAYNE

HORSEPOWER	1	2	3 & 3½	5	7½	10	
HT ft UPPER	11	14	16	20	25	32	ZH0Z
HT x DIA ft LOWER	7 x 14	10 x 19	10 x 20	13 x 24	16 x 28	18 x 28	
HT m UPPER	3.6	4	4.9	6.7	7.6	9.8	ZH0Z
HT x DIA m LOWER	2.7 x 6.4	2.7 x 6.4	3 x 4.9	3.7 x 6.7	4.9 x 8.5	5.5 x 8.5	

## CAPTIVA

SPECIALTY PATTERN

THE 1-5 HP REQUIRES 6" ADDITIONAL DEPTH & USES A FLOAT TUBE INTAKE SCREEN ASSEMBLY.  
VERTICAL ONLY



5 HP CAPTIVA

HORSEPOWER	1	2	3 & 3½	5	7½	10	
HT x DIA ft	9 x 4	12 x 4	15 x 5	19 x 7	23 x 8	25 x 8	ZH09
HT x DIA m	2.7 x 1.2	3.1 x 1.2	4.6 x 1.2	5.8 x 2.1	7 x 2.4	7.6 x 2.4	

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## CROWN & GEYSER

### BASIC FLOW PATTERN (BFP)

VERTICAL ONLY

HORSEPOWER		1	2	3 & 3½	5	7½	10
60Hz	HT x DIA ft UPPER	12 x 2	15 x 2	20 x 2	22 x 2	27 x 2	31 x 2
	HT x DIA ft LOWER	5 x 35	6 x 40	6 x 42	7 x 50	9 x 52	10 x 54
50Hz	HT x DIA m UPPER	3.5 x .6	4.3 x .6	5.2 x .6	6.7 x .6	8.2 x .6	10.4 x .6
	HT x DIA m LOWER	1.7 x 9.1	1.7 x 10.6	2.1 x 9.7	3.1 x 15.2	2.7 x 15.8	3.0 x 16.5



3½ HP CROWN & GEYSER

## CROWN & WIDE GEYSER

### BASIC FLOW PATTERN (BFP)

VERTICAL ONLY

HORSEPOWER		1	2	3 & 3½	5	7½	10
60Hz	HT x DIA ft UPPER	12 x 4.5	15 x 4.5	20 x 4.5	22 x 4.5	27 x 5.5	31 x 6.5
	HT x DIA ft LOWER	5 x 35	6 x 40	6 x 42	7 x 50	9 x 52	10 x 54
50Hz	HT x DIA m UPPER	3.5 x 1	4.3 x 1	5.2 x 1	6.7 x 1.4	8.2 x 1.7	10.4 x 2.1
	HT x DIA m LOWER	1.8 x 9.1	1.7 x 10.6	2.1 x 9.7	3.1 x 15.2	2.7 x 15.8	3 x 16.5



1 HP CROWN & WIDE GEYSER

## CRYSTAL GEYSER

### BASIC FLOW PATTERN (BFP)

VERTICAL ONLY

HORSEPOWER		1	2	3 & 3½	5	7½	10
60Hz	HT x DIA ft	15 x 26	17 x 30	19 x 30	22 x 32	26 x 34	30 x 34
50Hz	HT x DIA m	4 x 6.4	5.2 x 6.7	5.5 x 7	6.7 x 10.8	7.8 x 10.2	9.6 x 10.2



5 HP CRYSTAL GEYSER

## DORAL

### STRAIGHTENED FLOW PATTERN (SFP)

VERTICAL OR HORIZONTAL

HORSEPOWER		1	2	3 & 3½	5
60Hz	HT x DIA ft UPPER	8 x 10	10 x 12	11 x 14	13 x 18
	HT x DIA ft LOWER	4 x 8	5 x 10	5 x 12	7 x 13
50Hz	HT x DIA m UPPER	2.1 x 2.4	2.3 x 3	3.3 x 3.6	4 x 5.5
	HT x DIA m LOWER	1.2 x 2	1.4 x 2.4	1.8 x 3	2.1 x 4



5 HP DORAL



## EAGLE

### BASIC FLOW PATTERN (BFP) VERTICAL ONLY



1 HP EAGLE

HORSEPOWER	1	2	3 & 3½	5	7½	10	
HT x DIA ft	11 x 8	15 x 9	17 x 11	20 x 12	22 x 12	23 x 13	ZH09
HT x DIA m	3.6 x 3.7	4.1 x 3.8	4.3 x 4	5.7 x 3.6	6.7 x 4	7 x 4	ZH05

## FIRESTONE

### STRAIGHTENED FLOW PATTERN (SFP) VERTICAL OR HORIZONTAL



3½ HP FIRESTONE

HORSEPOWER	1	2	3 & 3½	5	7½	10	
HT ft UPPER	11	13	15	18	21	24	ZH09
HT x DIA ft MIDDLE	5 x 10	6 x 12	7.5 x 18	11 x 20	13 x 27	16 x 28	
HT x DIA ft LOWER	2 x 18	3 x 20	4 x 24	5.5 x 28	6 x 40	8 x 65	
HT m UPPER	3	3.5	5.2	6.1	6.4	10.3	ZH05
HT x DIA m MIDDLE	1.5 x 3	1.7 x 3.2	2.1 x 4	3.1 x 6.1	4 x 8	4.9 x 8.4	
HT x DIA m LOWER	0.6 x 3.3	0.5 x 3.6	0.6 x 4.6	1.1 x 8	1.7 x 12	2.4 x 19.8	

## IMPERIAL

### STRAIGHTENED FLOW PATTERN (SFP) VERTICAL OR HORIZONTAL



5 HP IMPERIAL

HORSEPOWER	1	2	3 & 3½	5	7½	10	
HT ft UPPER	9	11	13	15	16	19	ZH09
HT x DIA ft MIDDLE	6 x 16	6.5 x 18	7 x 23	13 x 30	14 x 32	17 x 48	
HT x DIA ft LOWER	1 x 25	1.5 x 28	2.5 x 28	5 x 36	5.5 x 40	7 x 50	
HT m UPPER	2.7	3.3	4	4.6	4.9	5.8	ZH05
HT x DIA m MIDDLE	1.8 x 4.9	2 x 5.5	2.1 x 7	4 x 9.1	4.3 x 9.8	5.2 x 14.6	
HT x DIA m LOWER	0.3 x 7.6	0.5 x 8.5	0.8 x 8.5	1.5 x 11	1.7 x 12.2	2.1 x 15.2	

## KIAWAH

### SPECIALTY PATTERN



10 HP KIAWAH

HORSEPOWER	7½	10	
HT ft UPPER	28	30	ZH09
HT x DIA ft LOWER	15 x 40	18 x 50	
HT m UPPER	8.5	9.1	ZH05
HT x DIA m LOWER	4.6 x 12.2	5.5 x 15.2	

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## LAKWOOD

### BASIC FLOW PATTERN (BFP)

VERTICAL ONLY

	HORSEPOWER	1	2	3 & 3½	5	7½	10
60Hz	HT x DIA ft	7 x 18	9 x 24	11 x 30	15 x 36	16 x 40	16.5 x 50
50Hz	HT x DIA m	2.1 x 6.7	2.7 x 8.2	3.3 x 9.1	4.6 x 11.6	4.9 x 12.2	5 x 15.2



## MEDINAH

### STRAIGHTENED FLOW PATTERN (SFP)

VERTICAL OR HORIZONTAL

	HORSEPOWER	1	2	3 & 3½	5	7½	10
60Hz	HT x DIA ft	9 x 14	12 x 18	14 x 20	18 x 24	20 x 26	25 x 30
50Hz	HT x DIA m	2.4 x 3.3	2.9 x 3.6	4 x 4.6	6 x 9	7 x 7.9	7.6 x 9.1



## PRESTWICK

### STRAIGHTENED FLOW PATTERN (SFP)

VERTICAL OR HORIZONTAL

	HORSEPOWER	1	2	3 & 3½	5	7½	10
60Hz	HT x DIA ft UPPER	9 x 10	10 x 12	12 x 14	13 x 18	16 x 32	20 x 46
	HT x DIA ft LOWER	5 x 30	5 x 32	5 x 35	6 x 40	8 x 48	12 x 80
50Hz	HT x DIA m UPPER	1.8 x 2.7	2.4 x 3	3.3 x 4.3	5.2 x 6.7	4.9 x 9.7	6.1 x 14
	HT x DIA m LOWER	0.9 x 7	1.1 x 8.5	1.5 x 10.3	2.1 x 15.2	2.4 x 14.6	3.7 x 24.4



## REFLECTION

### ADJUSTABLE STRAIGHTENED FLOW PATTERN (ASFP)

VERTICAL OR HORIZONTAL

	HORSEPOWER	1	2	3 & 3½	5	7½	10
60Hz	HT x DIA ft UPPER	7 x 16	8 x 22	12 x 26	13 x 16	14 x 22	16 x 24
	HT x DIA ft LOWER	3 x 22	3 x 30	3 x 30	4 x 37	4 x 40	5 x 46
50Hz	HT x DIA m UPPER	2.3 x 6.1	2.6 x 7.3	3.3 x 8.5	4.3 x 8.5	4.3 x 6.7	4.9 x 7.3
	HT x DIA m LOWER	0.8 x 7.9	0.9 x 8.8	1.1 x 9.7	2.4 x 14	1.2 x 12.2	1.5 x 14





## RIVIERA

STRAIGHTENED FLOW PATTERN (SFP)  
VERTICAL OR HORIZONTAL

HORSEPOWER	1	2	3 & 3½	5	
HT ft UPPER	15	20	21	30	60Hz
HT x DIA ft MIDDLE	9 x 12	11 x 12	12 x 14	18 x 16	
HT x DIA ft LOWER	3 x 10	4 x 10	4 x 12	9 x 20	
HT m UPPER	4.3	4.7	5.3	9.1	50Hz
HT x DIA m MIDDLE	2.4 x 3.3	2.4 x 2.4	3.6 x 4.3	5.5 x 4.9	
HT x DIA m LOWER	0.9 x 2.4	1.8 x 4.6	2 x 4.9	2.7 x 6.1	



5 HP RIVIERA

## ROYAL

STRAIGHTENED FLOW PATTERN (SFP)  
VERTICAL OR HORIZONTAL

HORSEPOWER	1	2	3 & 3½	5	7½	10	
HT x DIA ft UPPER	6 x 24	6.5 x 24	7½ x 38	8.5 x 38	12.5 x 40	15 x 50	60Hz
HT x DIA ft LOWER	3 x 30	3.5 x 32	4 x 38	4 x 42	4 x 40	5 x 60	
HT x DIA m UPPER	1.4 x 6.1	1.8 x 6.7	2.4 x 11.6	2.6 x 11.6	3.8 x 12.2	4.6 x 15.2	50Hz
HT x DIA m LOWER	0.6 x 6.7	0.9 x 8.8	1.2 x 11.6	1.2 x 12.8	1.2 x 12.2	1.5 x 18.3	



5 HP ROYAL

## SANIBEL

ADJUSTABLE STRAIGHTENED FLOW PATTERN (ASFP)  
VERTICAL OR HORIZONTAL

HORSEPOWER	1	2	3 & 3½	5	7½	10	
HT x DIA ft	11 x 14	14 x 17	16 x 18	19 x 20	20 x 16	22 x 18	60Hz
HT x DIA m	3.5 x 4.3	3.6 x 4.6	4.3 x 6.4	5.8 x 7.6	6.1 x 4.9	6.7 x 5.5	



5 HP SANIBEL

## SOMERSET

STRAIGHTENED FLOW PATTERN (SFP)  
VERTICAL OR HORIZONTAL

HORSEPOWER	1	2	3 & 3½	5	7½	10	
HT ft UPPER	12	14	17	20	Consult Factory		60Hz
HT x DIA ft LOWER	6.5 x 16	7.5 x 18	9 x 22	11.5 x 25	Consult Factory		
HT m UPPER	3.6	4.3	5.2	6.1	Consult Factory		50Hz
HT x DIA m LOWER	2 x 4.9	2.3 x 5.5	2.7 x 6.7	3.5 x 7.6	Consult Factory		



5 HP SOMERSET

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## TURNBERRY

### STRAIGHTENED FLOW PATTERN (SFP)

VERTICAL OR HORIZONTAL

HORSEPOWER		1	2	3 & 3½	5	7½	10
60Hz	HT x DIA ft	5.5 x 15	7 x 18	8 x 20	10 x 23	12.5 x 28	15 x 35
	HT x DIA m	1.8 x 4.9	2.3 x 5.5	3.2 x 7.3	4.6 x 9.8	3.8 x 8.5	4.6 x 10.7



## VALHALLA

### STRAIGHTENED FLOW PATTERN (SFP)

VERTICAL OR HORIZONTAL

HORSEPOWER		1	2	3 & 3½	5	7½	10
2H09	HT ft UPPER	13	14.5	18	19.5	28	32
	HT x DIA ft MIDDLE	7 x 10	8.5 x 18	11 x 24	14 x 30	15.5 x 40	17 x 40
	HT x DIA ft LOWER	4 x 20	6 x 35	7.5 x 55	7.5 x 60	7.5 x 60	10.5 x 80
2H08	HT m UPPER	3.9	4.4	5.4	5.9	8.5	9.7
	HT x DIA m MIDDLE	2.1 x 3	2.5 x 5.4	3.3 x 7.3	4.2 x 9.1	4.7 x 12.1	5.1 x 12.1
	HT x DIA m LOWER	1.2 x 6	1.8 x 10.6	2.2 x 16.7	2.2 x 18.2	2.2 x 18.2	3.2 x 24.3



## WIDE GEYSER

### BASIC FLOW PATTERN (BFP)

VERTICAL ONLY

HORSEPOWER		1	2	3 & 3½	5	7½	10
60Hz	HT x DIA ft	16 x 10	20 x 10	25 x 10	28 x 10	32 x 10	36 x 10
	HT x DIA m	4.3 x 1.2	5.2 x 1.8	6.1 x 2.4	7.3 x 3.1	9.7 x 3	11 x 3



## WARRANTY

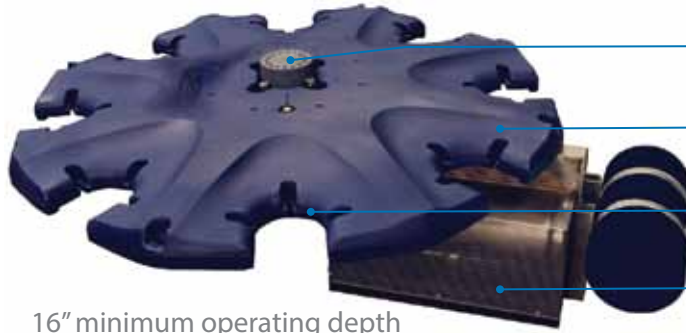
DOMESTIC	1 - 5 HP	5 Years Parts & Labor	INTERNATIONAL	1 - 5 HP	5 Years Parts & 1 Year Labor
	7½ - 10 HP	4 Years Parts & Labor		7½ - 10 HP	3 Years Parts & 1 Year Labor

Warranties subject to change. Please contact AquaMaster® for most current warranties.



## MASTERS SERIES® DESIGN TYPES

### 1 - 5 HP HORIZONTAL DESIGN



16" minimum operating depth

Interchangeable nozzles



Low profile float design



Recessed Night Glow LED or RGBW Lighting



Large stainless steel intake screen



### 1 - 5 HP STANDARD VERTICAL DESIGN



Interchangeable nozzles



Recessed Night Glow LED or RGBW Lighting



Patented, high-efficiency molded composite impeller system



Stainless steel intake screen & motor housing/ plate



Exclusive custom-designed oil-cooled energy efficient motors



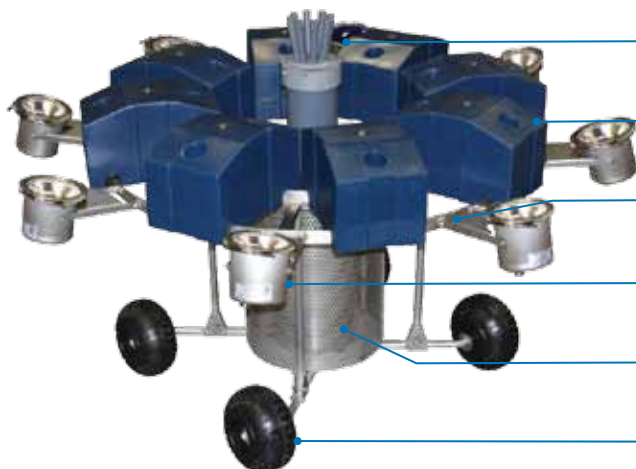
AquaLock Connector (ALC)



Exclusive underwater cable disconnect



### 7½ - 10 HP CART DESIGN



Interchangeable nozzles



Individual high density polyethylene floats are in-water adjustable



Rugged stainless steel compact cart design



Adjustable Night Glow LED or RGBW Lighting



Oversized stainless steel intake screen



Oversized floatation type tires for ease of launching



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## ADDITIONAL PATTERNS

### ACE

BASIC FLOW PATTERN (BFP)

VERTICAL ONLY

5 HP ACE



HORSEPOWER		1	2	3 & 3.5	5
50Hz	HT x DIA ft UPPER	4 x 8	6 x 8	8 x 10	9 x 12
	HT x DIA ft LOWER	2 x 22	2 x 26	4 x 32	4.5 x 35
60Hz	HT x DIA m UPPER	2 x 4.6	2.6 x 4	2.9 x 3.6	3.7 x 3.7
	HT x DIA m LOWER	0.9 x 7.9	1.4 x 8.5	1.5 x 9.7	1.5 x 13.4

### BAYSIDE

STRAIGHTENED FLOW PATTERN (SFP)

VERTICAL OR HORIZONTAL

5 HP BAYSIDE



HORSEPOWER		1	2	3 & 3.5	5	7.5	10
50Hz	HT x DIA ft UPPER	9 x 11	11 x 14	13 x 16	16 x 20	20 x 25	24 x 28
	HT x DIA ft LOWER	3 x 18	3 x 22	3 x 24	4 x 30	6 x 30	6 x 34
60Hz	HT x DIA m UPPER	2.4 x 3	3 x 3.8	4 x 4.6	5.5 x 6.7	6.1 x 7.6	7.3 x 8.5
	HT x DIA m LOWER	0.6 x 3.6	0.6 x 4	1.1 x 7.6	1.2 x 8.5	1.8 x 10.4	1.8 x 10.4

### BAYTREE

STRAIGHTENED FLOW PATTERN (SFP)

VERTICAL OR HORIZONTAL

5 HP BAYTREE



HORSEPOWER		5
50Hz	HT ft UPPER	23
	HT x DIA ft MIDDLE	14 x 17
	HT x DIA ft LOWER	7 x 25
60Hz	HT m UPPER	7
	HT x DIA m MIDDLE	5.2 x 5.2
	HT x DIA m LOWER	3.6 x 8.8

### BIRDIE

BASIC FLOW PATTERN (BFP)

VERTICAL ONLY

5 HP BIRDIE



HORSEPOWER		1	2	3 & 3.5	5
50Hz	HT x DIA ft	3 x 5	3.5 x 5	4.5 x 8	5 x 12
	HT x DIA m	0.9 x 2.4	1.5 x 3	2.1 x 4.3	2.4 x 6.1

### CHAMPION

STRAIGHTENED FLOW PATTERN (SFP)

VERTICAL OR HORIZONTAL

3.5 HP CHAMPION



HORSEPOWER		1	2	3 & 3.5	5	7.5	10
50Hz	HT x DIA ft	7 x 20	9 x 24	10 x 30	15 x 37	19 x 50	24 x 56
	HT x DIA m	3.2 x 8.5	3.6 x 8.8	4.6 x 10.3	5.5 x 13.4	5.8 x 15	7.3 x 17

### COLONIAL

STRAIGHTENED FLOW PATTERN (SFP)

VERTICAL OR HORIZONTAL

5 HP COLONIAL



HORSEPOWER		1	2	3 & 3.5	5
50Hz	HT ft UPPER	17	19	20	30
	HT x DIA ft LOWER	8 x 22	10 x 26	12 x 35	22 x 60
60Hz	HT m UPPER	4.3	4.4	5	9.1
	HT x DIA m LOWER	2.7 x 7.3	3 x 7.6	3.3 x 6.4	6.7 x 18.7




## ADDITIONAL PATTERNS



**DIAMONDBACK**  
STRAIGHTENED FLOW PATTERN (SFP)  
VERTICAL ONLY  
5 HP DIAMONDBACK

HORSEPOWER	1	2	3 & 3.5	5
HT x DIA ft	5 x 50	5 x 55	5 x 60	5 x 65
HT x DIA m	1.5 x 15.2	1.8 x 18.2	2.1 x 20.1	3.7 x 22.6


60Hz 50Hz



**DOUBLE EAGLE**  
STRAIGHTENED FLOW PATTERN (SFP)  
VERTICAL OR HORIZONTAL  
5 HP DOUBLE EAGLE

HORSEPOWER	1	2	3 & 3.5	5
HT x DIA ft	18 x 5	23 x 5	25 x 5	35 x 5
HT x DIA m	4.6 x 1.5	5 x 1.5	6.7 x 1.8	7.6 x 2.4


60Hz 50Hz



**GEYSER**  
BASIC FLOW PATTERN (BFP)  
VERTICAL ONLY  
10 HP GEYSER

HORSEPOWER	1	2	3 & 3.5	5	7.5	10
HT x DIA ft	18 x 2	20 x 2	24 x 2	28 x 2	34 x 2	38 x 2
HT x DIA m	4.9 x 0.9	5.6 x 0.9	5.9 x 0.9	7.6 x 0.9	10.4 x 0.6	12.2 x 0.6


60Hz 50Hz



**HALF MOON**  
STRAIGHTENED FLOW PATTERN (SFP)  
VERTICAL ONLY  
5 HP HALF MOON

HORSEPOWER	1	2	3 & 3.5	5	7.5	10
HT x DIA ft	6 x 26	8 x 30	10 x 34	13 x 36	14 x 38	15 x 40
HT x DIA m	1.7 x 7	2.1 x 7.9	3 x 9.1	3.9 x 11	4.3 x 11.6	4.6 x 12.2


60Hz 50Hz



**MONTEREY**  
STRAIGHTENED FLOW PATTERN (SFP)  
VERTICAL ONLY  
3.5 HP MONTEREY

HORSEPOWER	1	2	3 & 3.5	5
HT ft UPPER	8	10	13	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
HT m UPPER	3.2	3.5	4.7	5.8
HT x DIA m MIDDLE	3 x 7	3.2 x 6.1	3.3 x 4.9	4 x 4.6
HT x DIA m LOWER	1.4 x 7.9	1.5 x 8.2	2 x 8.8	2.4 x 8.2

60Hz 50Hz

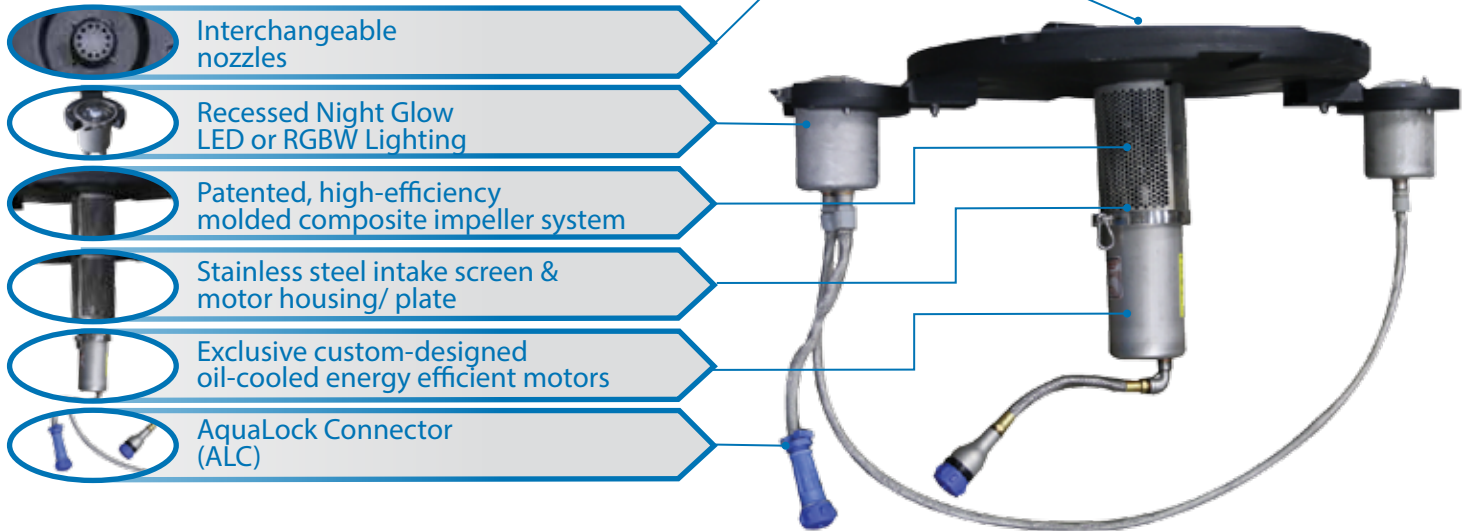


**PAR**  
BASIC FLOW PATTERN (BFP)  
VERTICAL ONLY  
5 HP PAR

HORSEPOWER	1	2	3 & 3.5	5	7.5	10
HT ft UPPER	6	8.5	13	15	17	20
HT x DIA ft LOWER	3 x 20	3.5 x 24	5 x 30	7 x 40	7 x 42	8 x 45
HT m UPPER	2	3.2	3.6	4.6	5.2	6.7
HT x DIA m LOWER	0.9 x 7.6	1.8 x 9.7	2 x 10.3	2.2 x 13.5	2.1 x 12.8	2.4 x 13.7

60Hz 50Hz

## 1/2 HP MASTERS DECORATIVE SERIES



### Standard Panel:

- Limited cable lengths
- 11W LED Lights only
- LED Photo Eye
- When Standard Control Panel is purchased, Masters Decorative Series warranty is 3 years and Standard Control Panel warranty is 1 year.



### Upgraded Panels:

- Any cable lengths
- 11W or RGBW Lights (Depending on Panel purchased)
- When Upgraded Control Panel is purchased, Masters Decorative Series warranty is 5 years and Upgraded Control Panel warranty is 3 years.



## 1/2 HP SPECIFICATIONS



ARABELLA		
HT x DIA ft UPPER	5.5 x 6	60Hz
HT x DIA ft LOWER	2 x 20	50Hz
HT x DIA m UPPER	1.5 x 2	50Hz
HT x DIA m LOWER	0.6 x 6	50Hz



AUGUSTA		
HT x DIA ft UPPER	7 x 14	60Hz
HT x DIA m UPPER	2.1 x 4.3	50Hz



BAYSIDE		
HT x DIA ft UPPER	6 x 8	60Hz
HT x DIA ft LOWER	1.5 x 10	50Hz
HT x DIA m UPPER	1.2 x 1.5	50Hz
HT x DIA m LOWER	0.3 x 1.8	50Hz



BISCAYNE		
HT ft UPPER	9	60Hz
HT x DIA ft LOWER	5 x 12	50Hz
HT m UPPER	1.8	50Hz
HT x DIA m LOWER	1.2 x 3	50Hz



CAPTIVA		
HT x DIA ft UPPER	5 x 3	60Hz
HT x DIA m UPPER	1.2 x 0.6	50Hz



CHAMPION		
HT x DIA ft UPPER	5.5 x 18	60Hz
HT x DIA m UPPER	1.2 x 3.4	50Hz



COLONIAL		
HT ft UPPER	10	60Hz
HT x DIA ft LOWER	6 x 16	50Hz
HT m UPPER	2.7	50Hz
HT x DIA m LOWER	2.1 x 5.5	50Hz



CROWN & GEYSER		
HT x DIA ft UPPER	7 x 2	60Hz
HT x DIA ft LOWER	4 x 24	50Hz
HT x DIA m UPPER	1.8 x .6	50Hz
HT x DIA m LOWER	0.9 x 7.6	50Hz



CROWN & WIDE GEYSER		
HT x DIA m UPPER	7 x 3	60Hz
HT x DIA ft LOWER	4 x 24	50Hz
HT x DIA m UPPER	1.8 x .8	50Hz
HT x DIA m LOWER	0.9 x 7.6	50Hz



CRYSTAL GEYSER		
HT x DIA ft UPPER	8 x 20	60Hz
HT x DIA m UPPER	1.8 x 5	50Hz



## 1/2 HP SPECIFICATIONS



DIAMONDBACK		
HT x DIA ft UPPER	5 x 35	60Hz
HT x DIA m UPPER	0.9 x 7.6	50Hz



DORAL		
HT x DIA ft UPPER	7 x 7	60Hz
HT x DIA ft LOWER	4 x 5	60Hz
HT x DIA m UPPER	1.8 x 1.8	50Hz
HT x DIA m LOWER	0.9 x 1.2	50Hz



DOUBLE EAGLE		
HT x DIA ft UPPER	11 x 2	60Hz
HT x DIA m UPPER	2.4 x 0.3	50Hz



EAGLE		
HT x DIA ft UPPER	9 x 6	60Hz
HT x DIA m UPPER	1.8 x 0.9	50Hz



FIRESTONE		
HT ft UPPER	8.5	60Hz
HT x DIA ft MIDDLE	5 x 10	60Hz
HT x DIA ft LOWER	2 x 14	60Hz
HT m UPPER	1.8	50Hz
HT x DIA m MIDDLE	1.2 x 1.4	50Hz
HT x DIA m LOWER	0.4 x 3	50Hz



GEYSIER		
HT x DIA ft UPPER	10 x 2	60Hz
HT x DIA m UPPER	2.4 x 0.9	50Hz



HALF MOON		
HT x DIA ft UPPER	4 x 13	60Hz
HT x DIA m UPPER	0.9 x 3	50Hz



IMPERIAL		
HT ft UPPER	6	60Hz
HT x DIA ft MIDDLE	4 x 12	60Hz
HT x DIA ft LOWER	1 x 14	60Hz
HT m UPPER	1.8	50Hz
HT x DIA m MIDDLE	1.2 x 3.6	50Hz
HT x DIA m LOWER	0.3 x 4.3	50Hz



LAKEWOOD		
HT x DIA ft UPPER	6.5 x 16	60Hz
HT x DIA m UPPER	1.1 x 4.5	50Hz



MEDINAH		
HT x DIA ft UPPER	8 x 12	60Hz
HT x DIA m UPPER	1.8 x 2.4	50Hz



PAR		
HT ft UPPER	5	60Hz
HT x DIA ft LOWER	2.5 x 18	60Hz
HT m UPPER	0.9	50Hz
HT x DIA m LOWER	0.3 x 4.3	50Hz



PRESTWICK		
HT x DIA ft UPPER	8 x 8	60Hz
HT x DIA ft LOWER	3 x 25	60Hz
HT x DIA m UPPER	1.4 x 2	50Hz
HT x DIA m LOWER	0.9 x 6.1	50Hz



REFLECTION		
HT x DIA ft UPPER	5 x 7	60Hz
HT x DIA ft LOWER	2 x 20	60Hz
HT x DIA m UPPER	1.2 x 1.5	50Hz
HT x DIA m LOWER	0.3 x 4.3	50Hz



RIVIERA		
HT ft UPPER	11	60Hz
HT x DIA ft MIDDLE	7.5 x 10	60Hz
HT x DIA ft LOWER	4.5 x 14	60Hz
HT m UPPER	3.3	50Hz
HT x DIA m MIDDLE	2.2 x 3	50Hz
HT x DIA m LOWER	1.4 x 4.3	50Hz



ROYAL		
HT x DIA ft UPPER	4 x 14	60Hz
HT x DIA ft LOWER	2 x 16	60Hz
HT x DIA m UPPER	0.9 x 3	50Hz
HT x DIA m LOWER	0.3 x 3.7	50Hz



SANIBEL		
HT x DIA ft UPPER	7 x 8	60Hz
HT x DIA m UPPER	2.1 x 3	50Hz



SOMERSET		
HT t UPPER	7	60Hz
HT x DIA ft LOWER	4 x 12	60Hz
HT m UPPER	2.1	50Hz
HT x DIA m LOWER	1.2 x 3.6	50Hz



TURNBERRY		
HT x DIA ft UPPER	4 x 10	60Hz
HT x DIA m UPPER	0.9 x 3	50Hz



VALHALLA		
HT ft UPPER	8	60Hz
HT x DIA ft MIDDLE	6 x 12	60Hz
HT x DIA ft LOWER	3 x 25	60Hz
HT m UPPER	3.5	50Hz
HT x DIA m MIDDLE	1.2 x 2.7	50Hz
HT x DIA m LOWER	0.5 x 5.5	50Hz



WIDE GEYSIER		
HT x DIA ft UPPER	11 x 5	60Hz
HT x DIA m UPPER	2.4 x 1.2	50Hz

## CELESTIAL FOUNTAINS®

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





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## AQUARIUS

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



## ARIES

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



## GEMINI

	HORSEPOWER	10	15	20	25
60Hz	HT x DIA ft	50 x 2	68 x 2	80 x 2	96 x 2
50Hz	HT x DIA m	15.2 x 0.6	20.7 x 0.6	NA	29.3 x 0.6



## LEO

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





## LIBRA



10 HP LIBRA

HORSEPOWER	10	15	20	25	
HT x DIA ft	26 x 10	36 x 10	42 x 10	48 x 10	7H09
HT x DIA m	8 x 3	11 x 3	NA	14.6 x 3	5H08

**NOTE:**  
THE LIBRA AND PISCES PATTERNS RESULT IN A MIST PRODUCING DISPLAY. AQUAMASTER® RECOMMENDS THESE PATTERNS OPERATE IN A PROTECTED OR SHELTERED AREA

## OLYMPIAN

NOT AN INTERCHANGEABLE PATTERN



20 HP OLYMPIAN

HORSEPOWER	10	15	20	25		
HT x DIA ft UPPER	17 x 3	18 x 3	21 x 4	25 x 4	7H09	
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		
Consult Factory						5H08

## PISCES



10 HP PISCES

HORSEPOWER	10	15	20	25	
HT x DIA ft	28 x 10	38 x 10	44 x 12	50 x 16	6H09
HT x DIA m	8.5 x 3	11 x 3	NA	15.2 x 4.9	5H08

**NOTE:**  
THE LIBRA AND PISCES PATTERNS RESULT IN A MIST PRODUCING DISPLAY. AQUAMASTER® RECOMMENDS THESE PATTERNS OPERATE IN A PROTECTED OR SHELTERED AREA

## SCORPIO

NOT AN INTERCHANGEABLE PATTERN



10 HP SCORPIO

HORSEPOWER	10	15	20	25	
HT x DIA ft	25 x 10	30 x 10	32 x 10	37 x 10	6H09
HT x DIA m	7.6 x 3	9.1 x 3	NA	11.3 x 3	5H08

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## TAURUS

HORSEPOWER		10	15	20	25
60Hz	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	HT m UPPER	9.2	12.2	NA	16.8
	HT x DIA m MIDDLE	6.1 x 12.2	7.6 x 12.2	NA	7.6 x 15.2
	HT x DIA m LOWER	3.1 x 13.8	3.1 x 15.2	NA	4.6 x 21.3



## VIRGO

HORSEPOWER		10	15	20	25
60Hz	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	HT m UPPER	9.2	12.2	NA	18.3
	HT x DIA m LOWER	3 x 12.2	3 x 15.2	NA	3 x 15.2



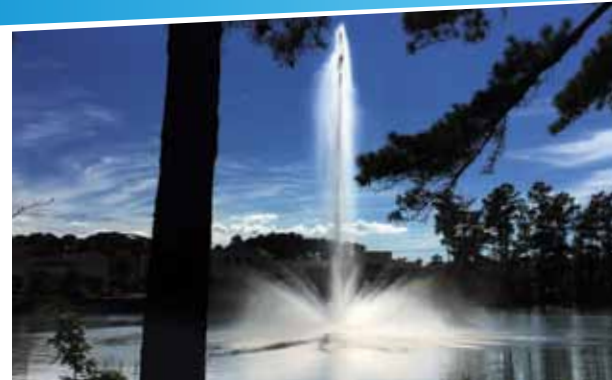
## CELESTIAL FOUNTAINS® KEY FEATURES

- 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 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

## WARRANTY

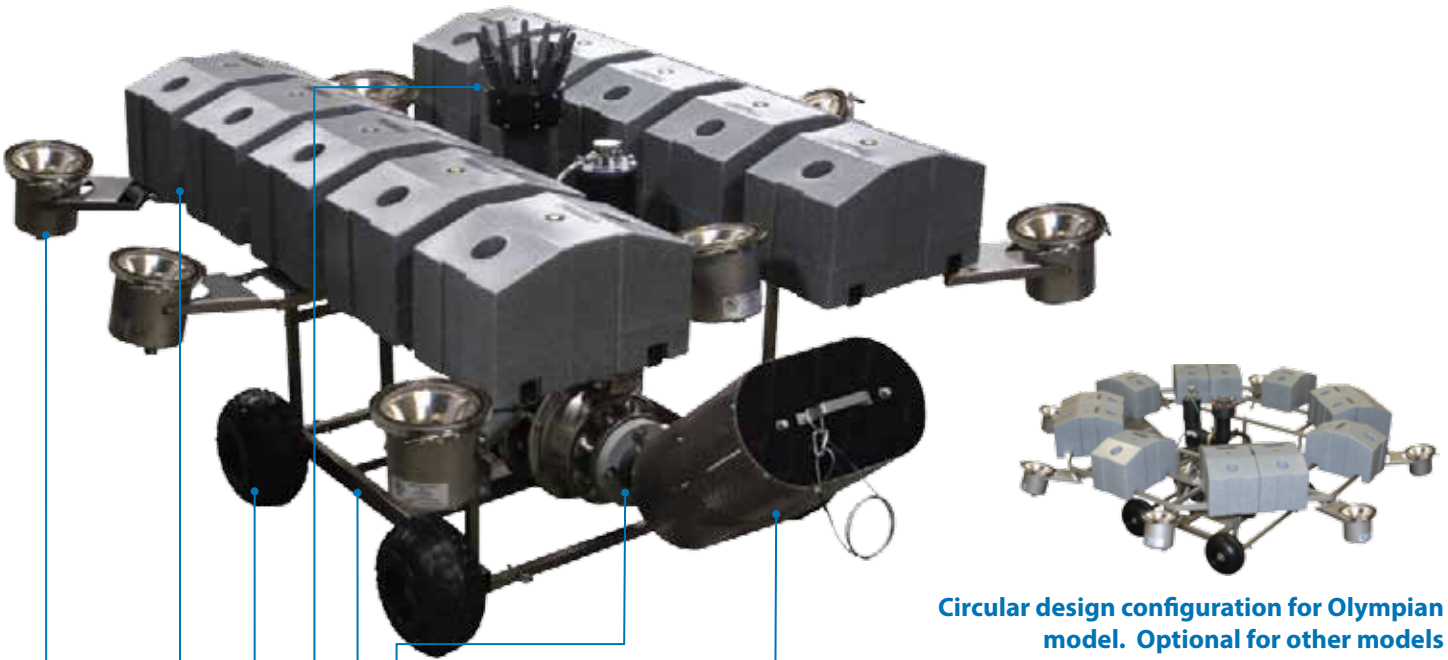
DOMESTIC	10 - 25 HP	4 Years Parts & Labor
INTERNATIONAL	10 - 25 HP	3 Years Parts & 1 Year Labor

Warranties subject to change. Please contact AquaMaster® for most current warranties.





## CELESTIAL FOUNTAINS® DESIGN



Circular design configuration for Olympian model. Optional for other models

Removable (without tools) large capacity, rigid 16 gauge stainless steel intake screen



Rugged, heavy-duty stainless steel centrifugal pump system for highest efficiency and durability



Heavy-duty tubular welded stainless steel frame design adds strength and longevity



Ten spray patterns - simple interchangeable nozzles ranging from 10 to 25 HP



Discharge Assembly



Oversized floatation type tires for ease of launching



Individual high density polyethylene floats are in-water adjustable



Adjustable Night Glow LED or RGBW Lighting





## 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.

All of our Fixed Base Water Feature Fountains are constructed from stainless steel and utilizes Masters Series® floating fountain spray patterns.





1 HP VALHALLA





MASTER THE POWER AND BEAUTY OF WATER

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.

All of our Fixed Base Water Feature Fountains are constructed from stainless steel and utilizes Master Series® floating fountain spray patterns.

## 1/2 HP

Our 1/2 HP models are available in 120 volt and 240 volt configurations.



## 1 to 5 HP

All of our Fixed Base Fountains are constructed from stainless steel and utilizes Masters Series® floating fountain nozzle patterns.



## CUSTOM

Your Fixed Base Fountain(s) can be custom built and fitted with a variety of nozzles to meet the demands of any landscape.



## WARRANTY

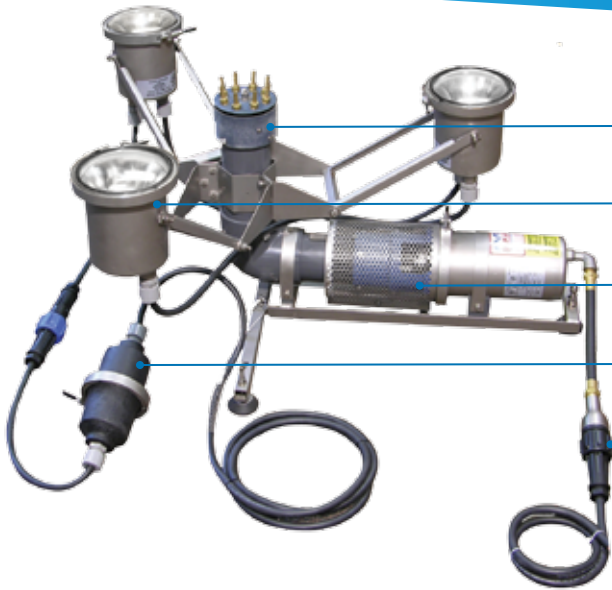
DOMESTIC	1/2 HP	5 Years Parts & Labor
	1 - 5 HP	5 Years Parts & Labor

INTERNATIONAL	1/2 HP	5 Years Parts & 1 Year Labor
	1 - 5 HP	5 Years Parts & 1 Year Labor

Warranties subject to change. Please contact AquaMaster® for most current warranties.



## FIXED BASE FOUNTAIN DESIGN



Standard and custom interchangeable nozzle



Optional Night Glow LED or RGBW Lighting Systems



Stainless steel intake debris screen



Exclusive underwater cable disconnect



AquaLock Connector (ALC)



## Fixed Base Fountain Features

- Available horizontally or vertically mounted
- ½ HP models available in 120 and 240 volt
- 1 to 5 HP models available in single and three phase, all voltages, with panel
- No special piping or vault required
- Select from nozzles featured in The Master Series® as seen on page 6
- Waterline depth and basin dimensions required



## OPERATING DEPTH

Operating Depth must be Specified as Vertical and Horizontal Mounting is Available.

### 60Hz

HORSEPOWER	DEPTH	MOUNTING
½ HP	15 - 25"	Horizontal
½ HP	26" & above	Vertical
1 - 5 HP	18 - 35"	Horizontal
1 - 5 HP	36" & above	Vertical

### 50Hz

HORSEPOWER	DEPTH	MOUNTING
½ HP	38.1 - 63.5 cm	Horizontal
½ HP	66 cm & above	Vertical
1 - 5 HP	45.7 - 88.9 cm	Horizontal
1 - 5 HP	91.4 cm & above	Vertical



## HIGH PERFORMANCE AERATIONS SYSTEMS VOLCANO II & HYDROMAX 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.





5 HP VOLCANO II



## VOLCANO II

	HORSEPOWER	½	1½	3½	5½
60Hz	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	HT x DIA m	0.3 x 1.2	0.8 x 2.7	1.1 x 3.7	1.4 x 4.9
	m3/hr	88	327	485	686



## THE HYDROMAX SERIES

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



## ETNA

	HORSEPOWER	½	1½	3½	5½
60Hz	HT x DIA ft	4 x 12	5.5 x 12	7.5 x 22	10 x 27
	GPM	258	517	845	1350



## SHASTA

	HORSEPOWER	½	1½	3½	5½
60Hz	HT x DIA ft	1.5 x 7	4 x 10	5 x 16	7 x 18
	GPM	324	667	1070	1415
50Hz	HT x DIA m	0.5 x 1.5	1.4 x 3.1	1.4 x 3.4	2 x 5.5
	m3/hr	66	223	326	358





## VOLCANO II & HYDROMAX DESIGN



### Volcano II Design Features

Top and side views with optional lights configuration. Give even more drama to your Volcano II series 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 in 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.



- Easily installed, similar to Floating Fountain Aerators
- Only requires three feet of depth (½ HP operating depth is 2')
- Works in deeper depths with optional float mounted deep water intake
- ½ to 5½ HP, 1 and 3 phase motors
- Quality stainless steel components
- Night Glow LED or RGBW Lighting Systems now available for all models
- Creates a fluid boil effect, resulting in maximum pumping rates and O<sub>2</sub> transfer

### WARRANTY

½ HP	3 Years Parts & Labor	DOMESTIC
1½ - 5½ HP	5 Years Parts & Labor	
½ HP	2 Years Parts & 1 Year Labor	INTERNATIONAL
1½ - 5½ HP	3 Years Parts & 1 Year Labor	

*Warranties subject to change. Please contact AquaMaster® for most current warranties.*



## HIGH PERFORMANCE DIFFUSED AQUAIR® ULTRA SERIES

AquaAir® Ultra provides ponds and lakes with superior aeration, circulation, and destratification. 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. Additionally, this process provides excellent deterrence to thermalstratification (layers of different temperature within the water).

The diffusers are connected to a revolutionary design enclosure containing one of four compressor sizes—by self-weighted Super Sink air supply tubing. System sizes range from  $\frac{1}{3}$  to 2 HP with one to twelve diffusers.







AQUAAIR® ULTRA SINGLE DIFFUSER



AquaAir® Ultra provides ponds and lakes with superior aeration, circulation, and destratification. 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.

## AQUAAIR® ULTRA

AquaAir® Ultra provides ponds & lakes with superior aeration, circulation, and de-stratification. A stainless steel, base mounted enclosure containing up to four compressors delivers the highest air flow rates available. Service is made easy by "tool-less" compressor removal. Weighted Super Sink air tubing supplies air flow to the diffusers while remaining unseen and un-obstructive on the pond bottom. Coated, anti-fouling diffuser membranes utilize micro-bubble technology to synergistically lift water from the pond bottom to the surface where atmospheric oxygen transfer occurs and a subsequent, oxygen enhanced, beneficial circulation is created. AquaAir® Ultra is backed by a 3 year warranty on compressors.



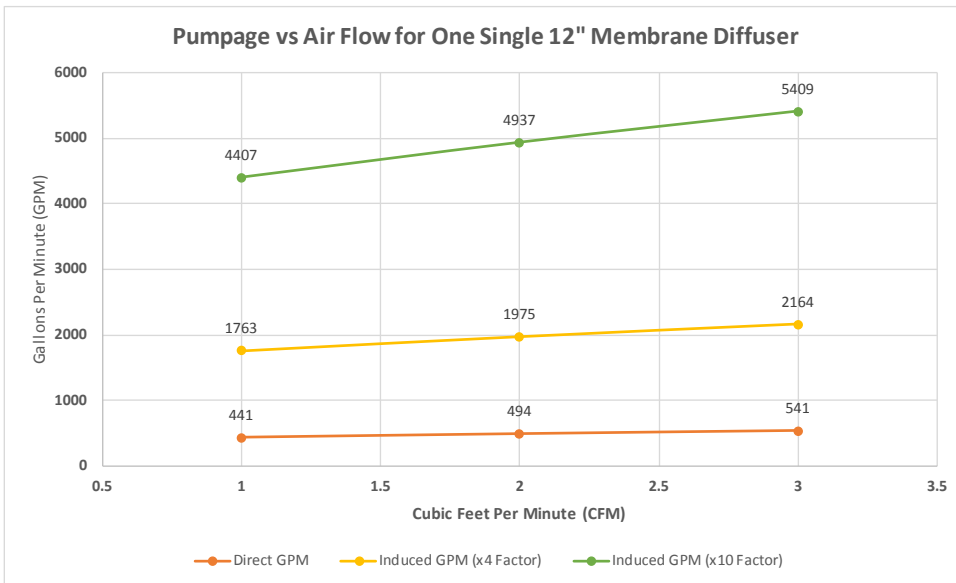
## LAKE AND POND BENEFITS

- Entire water column circulation
- 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
- Available in 3 colors White, Green, and Light Brown/Sand

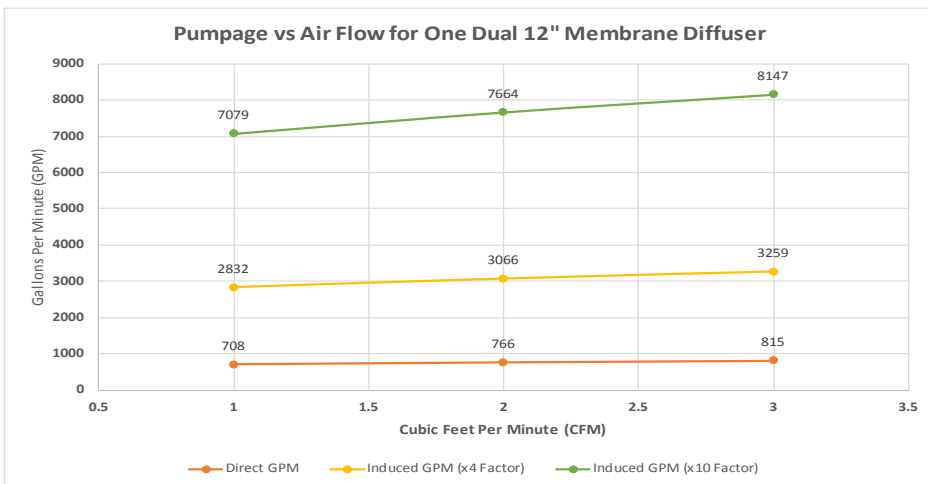




## PUMPAGE VS AIR FLOW



AquaMaster® recommends utilization of Induced GPM (x4 Factor) calculation as the minimum industry standard for conservative sizing.



For diffuser performance of less than 1 cfm, recommended induced GPM factor should not exceed 4x factor.



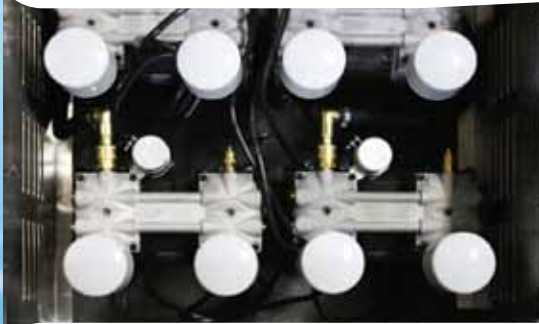
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## HIGH PERFORMANCE MEMBRANE DIFFUSER TECHNOLOGY



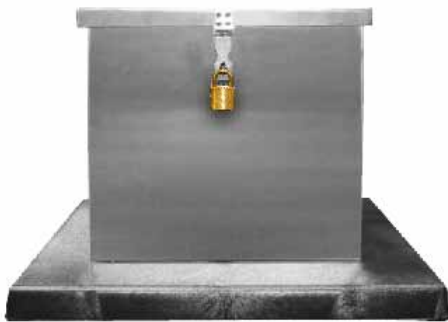
- Hollow base design for sand or gravel weighting
- Large base area for soft bottom sediment
- Self-cleaning, low maintenance construction
- Ultra low back pressure check valve
- Micro-bubble technology
- Five year warranty (Diffusers)
- Single membrane features flexible 12" disc
- Dual membrane features two flexible 12" membrane discs
- Quad membrane features four flexible 12" membrane discs
- Weighted Diffuser Bases Optional

## COMPRESSORS



- 1/3 HP Single Piston Compressor, 120V & 240V Single Phase
- 1/2 HP Dual Piston Compressor, 120V & 240V Single Phase
- Thermal overload motor protection
- 3 Year Warranty on Compressors

## COMPRESSOR ENCLOSURES



- Heavy-duty cooling fan circulates air around compressor
- Stainless steel hasp latch with Padlock included
- Stainless steel cover and hardware
- Green, Brown, & White color options available
- Ease of internal accessibility
- Limited lifetime warranty (cooling fan 3 year warranty)
- Outside Dimensions including overhang of cover  
AAU 1-3 – 17.0" L x 15.0" W x 16.5" H; 24.0" x 24.0" HDPE Base  
AAU 4-6 – 21.0" L x 17.0" W x 16.5" H; 24.0" x 24.0" HDPE Base
- Outside Dimensions including overhang of cover & external manifold housing  
AAU 7-12 – 28.6" L x 24.4" W x 18.1" H; 24.0" x 24.0" HDPE Base



## SUPER SINK AIR TUBING



- Flexible, will not crack or kink even in cold temperatures
- Self-weighted for easy installation and quick sinking
- Sizes available: 1/2" (.58" ID x 1.06" OD) in 100ft, 200ft, & 500ft roll lengths  
5/8" (.63" ID x 1.15" OD) in 100ft roll lengths  
1" (1.0" ID x 1.70" OD) in 250ft roll lengths  
(Consult Factory for Availability)
- Utilizes PVC insert fittings for quick connections
- 15 year warranty



**60 Hz**

**AQUAAIR® ULTRA PERFORMANCE SPECIFICATIONS**

System	# of Diffusers	Cabinet Size	Compressor(s)	Total Amp Draw	Total Air Flow	Air Flow per Diffuser
AquaAir® Ultra 1	1	Small	(1) ½ HP	3 - 3.8A @ 120V* 1.1 - 1.5A @ 240V**	2.4 CFM	2.4 CFM
AquaAir® Ultra 2S	2	Small	(1) ½ HP	3 - 3.8A @ 120V* 1.1 - 1.5A @ 240V**	2.4 CFM	1.2 CFM
AquaAir® Ultra 2	2	Small	(1) ½ HP	3.5 - 5A @ 120V* 1.7 - 2.5A @ 240V**	5 CFM	2.5 CFM
AquaAir® Ultra 3	3	Small	(1) ½ HP	3.5 - 5A @ 120V* 1.7 - 2.5A @ 240V**	5 CFM	1.7 CFM
AquaAir® Ultra 3 High Flow	3	Medium	(2) ½ HP	7 - 10A @ 120V* 3.4 - 5A @ 240V**	10 CFM	3.3 CFM
AquaAir® Ultra 4S	4	Small	(1) ½ HP	3.5 - 5A @ 120V* 1.7 - 2.5A @ 240V**	5 CFM	1.25 CFM
AquaAir® Ultra 4	4	Medium	(2) ½ HP	7 - 10A @ 120V* 3.4 - 5A @ 240V**	10 CFM	2.5 CFM
AquaAir® Ultra 5	5	Medium	(2) ½ HP	7 - 10A @ 120V* 3.4 - 5A @ 240V**	10 CFM	2 CFM
AquaAir® Ultra 5 High Flow	5	Large	(3) ½ HP	10.5 - 15A @ 120V*** 5.1 - 7.5A @ 240V**	15 CFM	3 CFM
AquaAir® Ultra 6	6	Medium	(2) ½ HP	7 - 10A @ 120V* 3.4 - 5A @ 240V**	10 CFM	1.7 CFM
AquaAir® Ultra 6 High Flow	6	Large	(3) ½ HP	10.5 - 15A @ 120V*** 5.1 - 7.5A @ 240V**	15 CFM	2.5 CFM
AquaAir® Ultra 7	7	Large	(3) ½ HP	10.5 - 15A @ 120V*** 5.1 - 7.5A @ 240V**	15 CFM	2.1 CFM
AquaAir® Ultra 8S	8	Medium	(2) ½ HP	7 - 10A @ 120V* 3.4 - 5A @ 240V**	10 CFM	1.25 CFM
AquaAir® Ultra 8	8	Large	(3) ½ HP	10.5 - 15A @ 120V*** 5.1 - 7.5A @ 240V**	15 CFM	1.9 CFM
AquaAir® Ultra 8 High Flow	8	Large	(4) ½ HP	14 - 20A @ 120V**** 6.8 - 10A @ 240V**	20 CFM	2.5 CFM
AquaAir® Ultra 9	9	Large	(3) ½ HP	10.5 - 15A @ 120V*** 5.1 - 7.5A @ 240V**	15 CFM	1.7 CFM
AquaAir® Ultra 9 High Flow	9	Large	(4) ½ HP	14 - 20A @ 120V**** 6.8 - 10A @ 240V**	20 CFM	2.2 CFM
AquaAir® Ultra 10	10	Large	(4) ½ HP	14 - 20A @ 120V**** 6.8 - 10A @ 240V**	20 CFM	2 CFM
AquaAir® Ultra 11	11	Large	(4) ½ HP	14 - 20A @ 120V**** 6.8 - 10A @ 240V**	20 CFM	1.8 CFM
AquaAir® Ultra 12	12	Large	(4) ½ HP	14 - 20A @ 120V**** 6.8 - 10A @ 240V**	20 CFM	1.7 CFM

CFM = Cubic Feet per Minute (Air Flow)  
ALL BASES 24.0" x 24.0"

\*15 Amp Service, NEMA 5-15 Plug  
\*\*\*20 Amp Service, NEMA 5-20 Plug

\*\*15 Amp Service, NEMA 6-15 Plug  
\*\*\*\*30 Amp Service, NEMA 5-30 Plug

\* 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.

**SYSTEM SIZING GUIDE**

System	Suggested Pond Size (surface acreage*)	Operating Depths
AquaAir® Ultra 1	Up to ½ Up to 1	4' - 12' 13' - 35'
AquaAir® Ultra 2S	Up to ½	4' - 8'
AquaAir® Ultra 2	Up to 1 Up to 2	4' - 12' 13' - 35'
AquaAir® Ultra 3	Up to 1½ Up to 3	4' - 12' 13' - 35'
AquaAir® Ultra 3 High Flow	Up to 2 Up to 4	4' - 12' 13' - 35'
AquaAir® Ultra 4S	Up to 1	4' - 8'
AquaAir® Ultra 4	Up to 2 Up to 4	4' - 12' 13' - 35'
AquaAir® Ultra 5	Up to 2.5 Up to 5	4' - 12' 13' - 35'
AquaAir® Ultra 5 High Flow	Up to 3 Up to 6	4' - 12' 13' - 35'
AquaAir® Ultra 6	Up to 3 Up to 6	4' - 12' 13' - 35'

System	Suggested Pond Size (surface acreage*)	Operating Depths
AquaAir® Ultra 6 High Flow	Up to 3.5 Up to 7	4' - 12' 13' - 35'
AquaAir® Ultra 7	Up to 3.5 Up to 7	4' - 12' 13' - 35'
AquaAir® Ultra 8S	Up to 2	4' - 8'
AquaAir® Ultra 8	Up to 4 Up to 8	4' - 12' 13' - 35'
AquaAir® Ultra 8 High Flow	Up to 4.5 Up to 9	4' - 12' 13' - 35'
AquaAir® Ultra 9	Up to 4.5 Up to 9	4' - 12' 13' - 35'
AquaAir® Ultra 9 High Flow	Up to 5 Up to 10	4' - 12' 13' - 35'
AquaAir® Ultra 10	Up to 5 Up to 10	4' - 12' 13' - 35'
AquaAir® Ultra 11	Up to 5.5 Up to 11	4' - 12' 13' - 35'
AquaAir® Ultra 12	Up to 6 Up to 12	4' - 12' 13' - 35'

## 50 Hz

### AQUAAIR® ULTRA PERFORMANCE SPECIFICATIONS

System	# of Diffusers	Cabinet Size	Compressor(s)	Total Amp Draw	Total Air Flow	Air Flow per Diffuser
AquaAir® Ultra 1	1	Small	(1) ½ HP	0.7 – 1.2A @ 220V	0.06 CMM	0.06 CMM
AquaAir® Ultra 2S	2	Small	(1) ½ HP	0.7 – 1.2A @ 220V	0.06 CMM	0.03 CMM
AquaAir® Ultra 2	2	Small	(1) ½ HP	1.4 – 2.0A @ 220V	0.12 CMM	0.06 CMM
AquaAir® Ultra 3	3	Small	(1) ½ HP	1.4 – 2.0A @ 220V	0.12 CMM	0.04 CMM
AquaAir® Ultra 3 High Flow	3	Medium	(2) ½ HP	2.8 – 4.0A @ 220V	0.24 CMM	0.08 CMM
AquaAir® Ultra 4S	4	Small	(1) ½ HP	1.4 – 2.0A @ 220V	0.12 CMM	0.03 CMM
AquaAir® Ultra 4	4	Medium	(2) ½ HP	2.8 – 4.0A @ 220V	0.24 CMM	0.06 CMM
AquaAir® Ultra 5	5	Medium	(2) ½ HP	2.8 – 4.0A @ 220V	0.24 CMM	0.05 CMM
AquaAir® Ultra 5 High Flow	5	Large	(3) ½ HP	4.2 – 6.0A @220V	0.36 CMM	0.07 CMM
AquaAir® Ultra 6	6	Medium	(2) ½ HP	2.8 – 4.0A @ 220V	0.24 CMM	0.04 CMM
AquaAir® Ultra 6 High Flow	6	Large	(3) ½ HP	4.2 – 6.0A @220V	0.36 CMM	0.06 CMM
AquaAir® Ultra 7	7	Large	(3) ½ HP	4.2 – 6.0A @220V	0.36 CMM	0.05 CMM
AquaAir® Ultra 8S	8	Medium	(2) ½ HP	2.8 – 4.0A @220V	0.24 CMM	0.03 CMM
AquaAir® Ultra 8	8	Large	(3) ½ HP	4.2 – 6.0A @220V	0.36 CMM	0.045 CMM
AquaAir® Ultra 8 High Flow	8	Large	(4) ½ HP	5.6 – 8.0A @220V	0.48 CMM	0.06 CMM
AquaAir® Ultra 9	9	Large	(3) ½ HP	4.2 – 6.0A @220V	0.36 CMM	0.04 CMM
AquaAir® Ultra 9 High Flow	9	Large	(4) ½ HP	5.6 – 8.0A @220V	0.48 CMM	0.053 CMM
AquaAir® Ultra 10	10	Large	(4) ½ HP	5.6 – 8.0A @220V	0.48 CMM	0.048 CMM
AquaAir® Ultra 11	11	Large	(4) ½ HP	5.6 – 8.0A @220V	0.48 CMM	0.044 CMM
AquaAir® Ultra 12	12	Large	(4) ½ HP	5.6 – 8.0A @220V	0.48 CMM	0.04 CMM

CMM = Cubic Meters per Minute (Air Flow)

### SYSTEM SIZING GUIDE

\* A pond's surface acreage 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 a system.

System	Suggested Pond Size (Ha)	Operating Depths
AquaAir® Ultra 1	Up to 0.2 Up to 0.4	1.2 – 3.7m 4.0 – 10.7m
AquaAir® Ultra 2S	Up to 0.2	1.2 – 1.9m
AquaAir® Ultra 2	Up to 0.4 Up to 0.8	1.2 – 3.7m 4.0 – 10.7m
AquaAir® Ultra 3	Up to 0.6 Up to 1.2	1.2 – 3.7m 4.0 – 10.7m
AquaAir® Ultra 3 High Flow	Up to 0.8 Up to 1.6	1.2 – 3.7m 4.0 – 10.7m
AquaAir® Ultra 4S	Up to 0.4	1.2 – 1.9m
AquaAir® Ultra 4	Up to 0.8 Up to 1.6	1.2 – 3.7m 4.0 – 10.7m
AquaAir® Ultra 5	Up to 1 Up to 2	1.2 – 3.7m 4.0 – 10.7m
AquaAir® Ultra 5 High Flow	Up to 1.2 Up to 2.4	1.2 – 3.7m 4.0 – 10.7m
AquaAir® Ultra 6	Up to 1.2 Up to 2.4	1.2 – 3.7m 4.0 – 10.7m

System	Suggested Pond Size (Ha)	Operating Depths
AquaAir® Ultra 6 High Flow	Up to 1.4 Up to 2.8	1.2 – 3.7m 4.0 – 10.7m
AquaAir® Ultra 7	Up to 1.4 Up to 2.8	1.2 – 3.7m 4.0 – 10.7m
AquaAir® Ultra 8S	Up to 0.8	1.2 – 1.9m
AquaAir® Ultra 8	Up to 1.6 Up to 3.2	1.2 – 3.7m 4.0 – 10.7m
AquaAir® Ultra 8 High Flow	Up to 1.8 Up to 3.6	1.2 – 3.7m 4.0 – 10.7m
AquaAir® Ultra 9	Up to 1.8 Up to 3.6	1.2 – 3.7m 4.0 – 10.7m
AquaAir® Ultra 9 High Flow	Up to 2 Up to 4	1.2 – 3.7m 4.0 – 10.7m
AquaAir® Ultra 10	Up to 2 Up to 4	1.2 – 3.7m 4.0 – 10.7m
AquaAir® Ultra 11	Up to 2.2 Up to 4.4	1.2 – 3.7m 4.0 – 10.7m
AquaAir® Ultra 12	Up to 2.4 Up to 4.8	1.2 – 3.7m 4.0 – 10.7m



## SOLAR AQUAAIR® ULTRA



MODEL SAAU1

**Solar AquaAir® Ultra (SAAU)** aeration systems are powered by the sun, backed up with battery banks for 24 hour per day operation. These systems are manufactured with the same benefits & features of the AquaMaster® AquaAir® Ultra aeration product line, utilizing robust components requiring minimal maintenance. SAAU systems provide superior aeration, circulation, and de-stratification of water bodies. Perfect for installation in ponds and lakes located in remote areas with no power source, the SAAU provides the ultimate in year round environmentally friendly aeration. A solar powered brushless 24 volt piston compressor supplies compressed air via .58" weighted Super Sink air tubing to the diffuser(s) located unseen on the pond bottom. Diffuser membranes utilizing microbubble technology synergistically lift water from the pond bottom to the surface where atmospheric oxygen transfer occurs and a subsequent, oxygen enhanced, beneficial circulation is created.

## LAKE AND POND BENEFITS



MODEL SAAU2

- Environmentally Friendly Solar Powered
- Entire Water Column Circulation
- Stabilization of Thermal Stratification
- Increased Dissolved Oxygen Levels
- Eliminates Oxygen Related Fish Kills
- Reduces Mosquito & Aquatic Midge Infestations
- Reduces Foul Odors from gases
- Reduces Organic Bottom Sediment
- Preserves a Healthy Aquatic Ecosystem

## SOLAR AQUAAIR® ULTRA SYSTEM

### Features Include:

- 9" Dia High Performance Membrane Diffuser(s)
- Polycrystalline Solar Panel(s)
- Top Pole Mount Kit, Angle Adjustable  
\*\*Mounting Pole not included\*\*
- Stainless Steel Compressor/Battery Enclosure  
SAAU1 - 21.0"L x 17.0"W x 16.3"H; 24"x24" HDPE Base  
SAAU2 - 28.8"L x 24.2"W x 18.0"H; 24"x24" HDPE Base
- 24V Single Head Piston Compressor
- Digital Charge Control System
- Quality Maintenance Free Batteries
- 90cfm Enclosure Cooling Fan
- 1/2" (.58" ID x 1.06" OD) Super Sink Air Tubing
- Adjustable Flow Control Needle Valves

## PERFORMANCE SPECIFICATIONS

Model #	Diffuser Qty	Solar Panels Qty	Batteries Qty	CFM @ 5psi	CFM Per Diffuser	Days of Battery Back-Up Power	Pond Sizing (surface acre*)	Operating Depths
<b>SAAU1</b>								
96101	1	1	2	0.7	0.70	~2.5	Up to 1/4	4' to 10'
							Up to 1/2	10' to 35'
96102	2	1	2	0.7	0.35	~2.5	Up to 1/2	4' to 15'
<b>SAAU2</b>								
96202	2	2	4	1.4	0.70	~3.0	Up to 1/2	4' to 10'
							Up to 1	10' to 35'
96203	3	2	4	1.4	0.46	~3.0	Up to 3/4	4' to 15'
96204	4	2	4	1.4	0.35	~3.0	Up to 1	4' to 15'

## WARRANTY

Stainless Steel Enclosure - Limited Lifetime

Weighted Tubing - 15 Years

9" Diffuser Assembly - 5 Years

Solar Panel Assembly - 5 Years

Compressor & Cooling Fan - 3 Years

Batteries & Electrical Components - 1 Year

\*\*Pistons are considered "Wear Items" and are not covered under the Factory Warranty\*\*



## ULTIMAX® DIRECTIONAL FLOW AERATION



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 either surface float or bottom fixed base version.

### Ultimax® System Features

- Low-profile motor mounted below waterline
- Shrouded propeller creates greater circulation
- Adjustable attack angle for greatest efficiency
- Can operate in as little as 2' of depth
- Quality stainless steel components
- Submerged motor and seals lubricated by non-toxic food grade oil for longer life
- Site specific with maximum zone of influence



### Ultimax® Fixed Base Mount Features

- Easily adapt 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® Sizing

General Rule of Thumb: 3 HP per surface acre.

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

## WARRANTY

Warranties subject to change. Please contact AquaMaster® for most current warranties.

½ HP	2 Years Parts & Labor	DOMESTIC
1 - 5 HP	3 Years Parts & Labor	

½ HP	2 Years Parts & 1 Year Labor	INTERNATIONAL
1 - 5 HP	3 Years Parts & 1 Year Labor	

## PERFORMANCE SPECIFICATIONS

HORSEPOWER	VOLTAGE & PHASE	APPROX. AMPS	MINIMUM OPERATING DEPTH	MAXIMUM OPERATING DEPTH	(B) MAXIMUM OPERATING DEPTH
½	120 : 1 PH	5	2' (B) 3'	UNLIMITED	20'
	240 : 1 PH	2.5			
1	120 : 1 PH	18	3'	UNLIMITED	20'
	240 : 1 PH	9			
	230 : 3 PH	5			
	460 : 3 PH	2.5			
2	240 : 1 PH	12	3'	UNLIMITED	20'
	230 : 3 PH	6			
	460 : 3 PH	3			
3	230 : 3 PH	10	3'	UNLIMITED	20'
	460 : 3 PH	5			
3½	240 : 1 PH	15	3'	UNLIMITED	20'
5	240 : 1 PH	26	3'	UNLIMITED	20'
	230 : 3 PH	12			
	460 : 3 PH	6			

HORSEPOWER	VOLTAGE & PHASE	APPROX. AMPS	MINIMUM OPERATING DEPTH	MAXIMUM OPERATING DEPTH	(B) MAXIMUM OPERATING DEPTH
½	220 : 1 PH	2.4	2' (0.6m) B 3' (1m)	UNLIMITED	20' (6.1m)
1	220 : 1 PH	10	3' (1m)	UNLIMITED	20' (6.1m)
	380 - 415 : 3 PH	2.9			
2	220 : 1 PH	12.5	3' (1m)	UNLIMITED	20' (6.1m)
	380 - 415 : 3 PH	4			
3	220 : 1 PH	19	3' (1m)	UNLIMITED	20' (6.1m)
	380 - 415 : 3 PH	5			
5	220 : 1 PH	28	3' (1m)	UNLIMITED	20' (6.1m)
	380 - 415 : 3 PH	9			

(B) Designates a bottom mounted Fixed Base Ultimax® unit

## NIGHT GLOW LIGHTING SYSTEMS

AquaMaster® products are even more dramatic at night with the addition of a Night Glow LED or RGBW Lighting System. LED and RGBW lighting reduces power consumption, increases brightness and runs cooler using copper heat sink delivering a higher luminous efficacy—More light, less heat.

All AquaMaster® Fountains and Aerators Lighting is compliant with the Energy Independence and Security act of 2007.





## 11 WATT LED

The 11W LED light from AquaMaster® Fountains and Aerators offers a color diode board assembly LEDs in cool white, warm white, red, green, blue, and amber. Colored lenses are replaced with brilliant dedicated color LEDs eliminating any color washout. The 11W LED reduces power consumption, increases brightness and runs cooler using copper heat sink delivering a higher luminous efficacy—More light, less heat.

### 11 Watt LED Features

- 3 year warranty
- Low operating cost
- Stainless steel fixtures, brackets, and shielded jumper cables
- Simple underwater power cable connector ( Aqua Lock Connector – ALC)
- Available in 120V & 220V
- UL Listed
- Cool White: 1000 lumens
- Warm White: 775 lumens
- Red: 350 lumens
- Green: 650 lumens
- Blue: 150 lumens
- Amber: 250 lumens
- Color Temperature: 5000K (Cool), 3000K (Warm)
- Rated Life: 40,000 hours



## 22 WATT LED

This 22W LED model is more efficient, provides greater light output, and produces a brilliant white generated by a specific diode board.

### 22 Watt LED Features

- 3 year warranty
- Low operating cost
- Stainless steel fixtures, brackets, and shielded jumper cables
- Simple underwater power cable connector (AquaLock Connector – ALC)
- Available in 120V & 220V
- Cool White: 1900 lumens
- Color Temperature: 5000K
- Rated Life: 40,000 hours





## 35 WATT LED

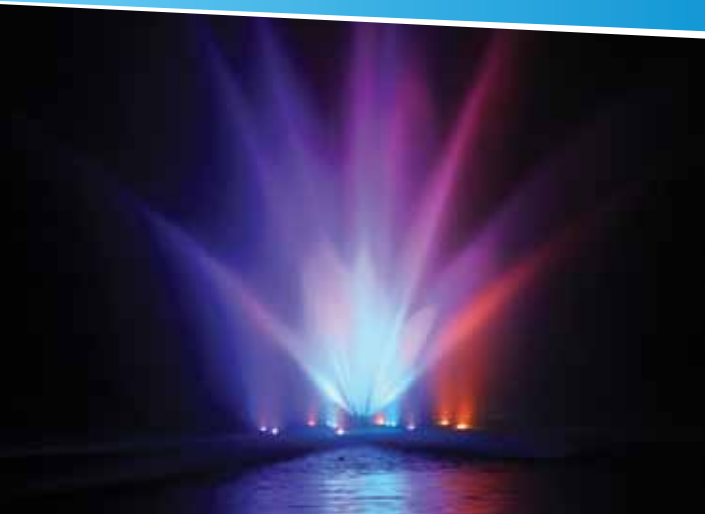


AquaMaster® Fountains and Aerators supplies a 35W LED light. The intensity of these lights is equal to approximately one 500 watt incandescent light bulb. Built for performance, AquaMaster's 35W LED light lasts longer and with lower operating costs than a halogen bulb. It is versatile enough to operate at 90 – 305 VAC making it perfect for both 120v and 220v hookups.

### 35 Watt LED Features

- Available in 120V and 220 V
- 3 year warranty including LED lamps
- SS submersible fixtures w/SS braided fixture jumper cables
- Aqua Lock Connector (ALC) Included
- UL Listed
- Standard 14 ga. Cable
- Cool White: 3900 lumens
- Warm White: 3645 lumens
- Red: 510 lumens
- Green: 1710 lumens
- Blue: 400 lumens
- Amber: 205 lumens
- Color Temperature: 5000K (Cool), 3000K (Warm)
- Rated Life: 40,000 hours

## 20 & 40 WATT RGBW



AquaMaster® Fountains and Aerators proudly supplying programmable, color changing fountain lighting to its Night Glow Lighting System offering. These new RGBW LED lighting systems consist of the option for 20 W or 40W fixtures, panel mounted controller and power supply that produce brilliant colors and shows. Customizable programming to meet Color, show type, and holiday events available.

### 20 & 40 Watt RGBW Features

- Factory Pre-programmed with color assortment and holiday themes
- Bluetooth or Ethernet Controller available
- Simple underwater power cable connection (AquaLock Connector – ALC)
- Custom programs available
- Low operating cost
- No lens or board replacement required for color changes
- Stainless steel fixtures, brackets, and shielded jumper cables
- 3 year parts and labor warranty
- Available in 120VAC, 220VAC, & 24VDC
- UL Listed
- Can be retrofitted to existing AquaMaster fountains.
- Standard 14/5 Cable
- 20W RGBW- Total: 940 lumens
  - Red: 155 lumens
  - Green: 290 lumens
  - Blue: 120 lumens
  - White: 375 lumens
  - White Color Temperature: 7000K
  - Rated Life: 40,000 hours
- 40W RGBW- Total: 1835 lumens
  - Red: 475 lumens
  - Green: 560 lumens
  - Blue: 130 lumens
  - White: 670 lumens
  - White Color Temperature: 5500K
  - Rated Life: 40,000 hours



**60 Hz**

**LIGHTING CABLE LENGTH CHART**

DOMESTIC AND INTERNATIONAL 60Hz									
3 Conductor				Copper Wire Gauge Size					
Watts Per Fixture	# of Fixtures	Volts	Approx Amps	#14(ft)	#12(ft)	#10(ft)	#14(m)	#12(m)	#10(m)
11	2	120	0.183	5279	8182	13636	1609	2494	4156
11	3	120	0.275	3519	5455	9091	1073	1663	2771
11	4	120	0.367	2639	4091	6818	804	1247	2078
22	2	120	0.283	3416	5294	8824	1041	1614	2689
22	3	120	0.425	2277	3529	5882	694	1076	1793
22	4	120	0.567	1708	2647	4412	521	807	1345
22	6	120	0.850	1139	1765	2941	347	538	896
22	8	120	1.133	854	1324	2206	260	403	672
22	12	120	1.700	569	882	1471	174	269	448
35	2	120	0.583	1659	2571	4286	506	784	1306
35	3	120	0.875	1106	1714	2857	337	523	871
35	4	120	1.167	829	1286	2143	253	392	653
35	6	120	1.750	553	857	1429	169	261	435
35	8	120	2.333	415	643	1071	126	196	327
35	12	120	3.500	276	429	714	84	131	218

5 Conductor				Copper Wire Gauge Size					
Watts Per Fixture	# of Fixtures	Volts	Approx Amps	#14(ft)	#12(ft)	#10(ft)	#14(m)	#12(m)	#10(m)
20 RGBW	2	120	0.333	2903	4500	7500	885	1372	2286
20 RGBW	3	120	0.500	1935	3000	5000	590	914	1524
20 RGBW	4	120	0.667	1452	2250	3750	442	686	1143
40 RGBW	2	120	0.667	1452	2250	3750	442	686	1143
40 RGBW	3	120	1.000	968	1500	2500	295	457	762
40 RGBW	4	120	1.333	726	1125	1875	221	343	572
40 RGBW	6	120	2.000	484	750	1250	147	229	381
40 RGBW	8	120	2.667	363	563	938	111	171	286
40 RGBW	12	120	4.000	242	375	625	74	114	191



**LIGHTING CABLE LENGTH CHART**

INTERNATIONAL 50Hz						
Watts Per Fixture	# of Fixtures	Volts	Approx Amps	3x1.5mm <sup>2</sup> (m)	3x2.5mm <sup>2</sup> (m)	3x4mm <sup>2</sup> (m)
11	2	220	0.100	3847	6412	10259
11	3	220	0.150	2564	4275	6839
11	4	220	0.200	1923	3206	5129
22	2	220	0.155	2489	4149	6638
22	3	220	0.232	1659	2766	4425
22	4	220	0.309	1244	2074	3319
22	6	220	0.464	830	1383	2213
22	8	220	0.618	622	1037	1659
22	12	220	0.927	415	691	1106
35	2	220	0.318	1209	2015	3324
35	3	220	0.477	806	1343	2149
35	4	220	0.636	604	1008	1612
35	6	220	0.955	403	672	1075
35	8	220	1.273	302	504	806
35	12	220	1.909	201	336	537
Watts Per Fixture	# of Fixtures	Volts	Approx Amps	5x1.5mm <sup>2</sup> (m)	5x2.5mm <sup>2</sup> (m)	5x4mm <sup>2</sup> (m)
20 RGBW	2	220	0.182	2116	3527	5642
20 RGBW	3	220	0.273	1410	2351	3761
20 RGBW	4	220	0.364	1058	1763	2821
40 RGBW	2	220	0.364	1058	1763	2821
40 RGBW	3	220	0.545	705	1176	1881
40 RGBW	4	220	0.727	529	882	1411
40 RGBW	6	220	1.091	353	588	940
40 RGBW	8	220	1.455	264	441	705
40 RGBW	12	220	2.182	176	294	470

## ADDRESSER

The DMX Addresser from AquaMaster® Fountains & Aerators is a new control panel component module used for communicating lighting programs between controller and fixtures. It is a required component for operation of multiple RGBW light sets from a single controller with a synchronized program. For example, a three fountain set could shift red, white, and blue across them as a single custom program, or each fountain could display red, white, and blue at the same time. Any specific custom program for multiple light sets can be accomplished when used with Custom Control Panels.

Two control options will now be available for multiple RGBW light sets.

- The use of one controller with an addresser for each individual light set. All programmed to perform identical or different shows synchronized into one program.
- The use of multiple controllers. Each light set is controlled by its own controller and performs its own individual program, thus not synchronized with the others in a single program.



## BLUETOOTH

The AquaMaster Bluetooth Control Module (BCM) provides a simple wireless control solution for AquaMaster RGBW lighting. It features a custom integrated microprocessor and Bluetooth radio. The BCM works in conjunction with AquaMaster's standard RGBW pushbutton controller. It makes all of the functions of the RGBW pushbutton controller available via Bluetooth and adds new functions such as program memory and custom color creation.

The AquaMaster BCM works in conjunction with the AQM Light app, which is available from the Google Play store for Android devices API level 4.2 (Jellybean) and newer. The AQM Light app offers a simple control and connection system that allows users to change programs, set and choose custom colors, select program speed and more.

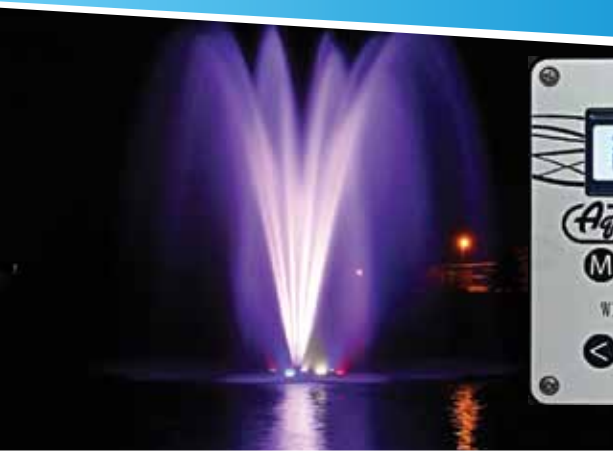
Features:

- Choose lights remotely without opening the electrical cabinet from a distance of up to 200 ft. (Communication Distance is affected by environmental conditions, obstructions, & device used.)
- Custom microprocessor driven controller
- Retentive FLASH memory to store user settings through power loss
- Status LED to show connection
- Customizable PIN code and name for device security
- Integrated Bluetooth 2.1 radio with on-board antenna
- Mounting via mounting tabs or integrated magnet
- Operating temperature: -20F to 150F (-30C to 65C)





## WIND CONTROL MODULE



The AquaMaster® Fountains and Aerators Wind Control uses the latest in microprocessor technology to capture the wind speed using an anemometer, and with that data average, evaluate, and turn analog and digital outputs on and off based on user preferences. This replaces our existing Wind Control for dual and single stage systems.

The Wind Control uses capacitive touch switches and an LCD screen to set and read user preferences. All preferences are stored permanently in the controller memory and recalled after power is cycled off and on.

## OTHER ACCESSORIES

### NEMA CONTROL PANEL



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). Optional Fiberglass or stainless Steel.



### LARGE STAINLESS STEEL INTAKE SCREEN

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



### 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.



### AQUALOCK CONNECTOR (ALC)

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



### DEEP WATER INTAKE

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



### 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.



### PHASE MONITOR FOR 3 PHASE

Voltage monitor to protect 3 Phase motors from damage.

### ALSO AVAILABLE:

- Surge arrestor
- Photocells for lighting
- Variable Frequency Drives (VFD)
- Low water shut-off terminal connectors
- Armored protected power cable to prevent rodent damage





MASTER THE POWER AND BEAUTY OF WATER

## NOTES



## POND SIZING CHARTS

### MASTERS SERIES®

#### 60 Hz

HORSEPOWER	EFFECTIVE POND SIZE (S.A)	MINIMUM OPERATING DEPTH (ft)
½	½	2
1	¾	3
2	1	3
3	1 - 1½	3
3½	1 - 1½	3
5	2	3
7½	3	4
10	4	4

\* 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.

#### 50 Hz

HORSEPOWER	EFFECTIVE POND SIZE (Ha.)	MINIMUM OPERATING DEPTH (m)
½	0.2	0.6
1	0.3	0.9
2	0.4	0.9
3	0.4 - 0.6	0.9
3½	0.4 - 0.6	0.9
5	0.8	0.9
7½	1.2	1.2
10	1.6	1.2

\* A pond's surface acreage 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 a system.

### VOLCANO II & HYDROMAX SERIES

#### 60 Hz

HORSEPOWER	EFFECTIVE POND SIZE (S.A)	MINIMUM OPERATING DEPTH (ft)
½	Up to ¾	2
1½	Up to 1	3
3½	1 +	3
5½	1 +	3

\* 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.

#### 50 Hz

HORSEPOWER	EFFECTIVE POND SIZE (Ha.)	MINIMUM OPERATING DEPTH (m)
½	Up to 0.3	0.6
1½	Up to 0.4	0.9
3½	0.4 +	0.9
5½	0.4 +	0.9

\* A pond's surface acreage 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 a system.

### 60 Hz Unit Cable Sizing Chart

IMPORTANT - Maximum recommended cable lengths referenced are measured from Control Panel to In-water motor. To ensure proper sized cable runs AquaMaster® recommends consulting a Licensed Electrician to properly size any underground 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. Actual voltage to motor will affect your fountain's performance which may require upsizing the unit cable. Please contact AquaMaster® if assistance is required.

**Any part numbers in bold, italicized, and red numbers are PPE cable.**

Single Phase 3 Conductor			3 Conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps	#14 (ft)	#12 (ft)	#10 (ft)	#8 (ft)	#6 (ft)	#4 (ft)	#2 (ft)
½ HP	120	5.6	173	268	446	687	1093	1728	2679
½ HP	208-240	2.8	599	929	1548	2381	3790	5991	9286
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 (ft)	#12 (ft)	#10 (ft)	#8 (ft)	#6 (ft)	#4 (ft)	#2 (ft)
1 HP	120	19	--	--	132	202	322	509	789
1 HP	208-240	9.6	--	271	451	694	1105	1747	2708
2 HP	208-240	12.6	--	206	344	529	842	1331	2063
3½ HP	208-240	15.2	--	--	285	439	698	1104	1711
5 HP	208-240	27.1	--	--	--	246	392	619	959
7½ HP	220-240*	42	--	--	--	<b>168</b>	<b>267</b>	<b>422</b>	<b>655</b>
10HP	220-240*	60	--	--	--	--	<b>187</b>	<b>296</b>	<b>458</b>

\* The 7.5HP and 10HP 1PH models require a minimum voltage of 220V

Three Phase 4 Conductor			4 Conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps	#14 (ft)	#12 (ft)	#10 (ft)	#8 (ft)	#6 (ft)	#4 (ft)	#2 (ft)
1 HP	208-240	5.4	--	556	927	1426	2269	3587	5560
1 HP	440-480	2.7	--	2352	3920	6031	9601	15176	23522
2 HP	208-240	6.3	--	477	794	1222	1945	3075	4766
2 HP	440-480	3.1	--	2049	3415	5253	8362	13218	20487
3 HP	208-240	10.1	--	297	495	762	1213	1918	2973
3 HP	440-480	5.1	--	1245	2076	3193	5083	8034	12453
5 HP	208-240	18	--	--	278	428	681	1076	1668
5 HP	440-480	9	--	706	1176	1809	2880	4553	7057
7½ HP	208-240	26.4	--	--	--	<b>292</b>	<b>464</b>	<b>734</b>	<b>1137</b>
7½HP	440-480	13.2	--	481	802	<b>1234</b>	<b>1964</b>	<b>3104</b>	<b>4811</b>
10 HP	208-240	36	--	--	--	<b>214</b>	<b>340</b>	<b>538</b>	<b>834</b>
10 HP	440-480	18	--	--	588	<b>905</b>	<b>1440</b>	<b>2276</b>	<b>3528</b>
15 HP	208-240	46	--	--	--	<b>167</b>	<b>266</b>	<b>421</b>	<b>653</b>
15 HP	440-480	23	--	--	--	<b>708</b>	<b>1127</b>	<b>1781</b>	<b>2761</b>
20 HP	208-240	58	--	--	--	--	<b>211</b>	<b>334</b>	<b>518</b>
20 HP	440-480	29	--	--	--	<b>562</b>	<b>894</b>	<b>1413</b>	<b>2190</b>
25 HP	208-240	72	--	--	--	--	--	<b>269</b>	<b>417</b>
25 HP	440-480	36	--	--	--	<b>452</b>	<b>720</b>	<b>1138</b>	<b>1764</b>

### Volcano II Cable Sizing Chart

Single Phase 4 Conductor			4 Conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps	#14 (ft)	#12 (ft)	#10 (ft)	#8 (ft)	#6 (ft)	#4 (ft)	#2 (ft)
½	120	7	138	214	357	549	875	1382	2164
½	208-240	3.5	479	743	1238	1905	3032	4793	7502
1½	208-240	8	-	325	542	833	1327	2097	3282
3½	208-240	16	-	163	271	417	663	1048	1641
5½	208-240	26	-	-	-	256	408	645	1000
Three Phase 4 Conductor			4 Conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps	#14 (ft)	#12 (ft)	#10 (ft)	#8 (ft)	#6 (ft)	#4 (ft)	#2 (ft)
1½	208-240	6	-	500	834	1283	2042	3228	5053
1½	440-480	3	-	2117	3528	5428	8641	13658	21381
3½	208-240	11	-	273	455	700	1114	1761	2756
3½	440-480	5.5	-	1155	1925	2961	4713	7450	11662
5½	208-240	16	-	188	313	481	766	1211	1876
5½	440-480	8	-	790	1320	2035	3240	5120	7935



## 50 Hz Unit Cable Sizing Chart

Maximum recommended length from fountain to electrical source, shown in meters. Wire gauge is shown in mm<sup>2</sup>. AquaMaster recommends consulting a Licensed Electrician to properly size any underground cable from the main power source to our fountain. Please contact AquaMaster if assistance is required.

Single Phase 3 Conductor			3 Conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps @ 2875 RPM	3x1.5mm <sup>2</sup> (m)	3x2.5mm <sup>2</sup> (m)	3x4mm <sup>2</sup> (m)	3x6mm <sup>2</sup> (m)	3x10mm <sup>2</sup> (m)	3x16mm <sup>2</sup> (m)	3x25mm <sup>2</sup> (m)
½ HP	220-230	3	128	214	342	513	855	1368	2137
Single Phase 4 Conductor			4 Conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps @ 2875 RPM	4x1.5mm <sup>2</sup> (m)	4x2.5mm <sup>2</sup> (m)	4x4mm <sup>2</sup> (m)	4x6mm <sup>2</sup> (m)	4x10mm <sup>2</sup> (m)	4x16mm <sup>2</sup> (m)	4x25mm <sup>2</sup> (m)
1 HP	220-230	8	-	80	128	192	321	513	801
2 HP	220-230	10.5	-	61	98	147	244	391	611
3½ HP	220-230	19	-	-	54	81	135	216	337
5 HP	220-230	24	-	-	-	64	107	171	267
Three Phase 4 Conductor			4 Conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps @ 2875 RPM	4x1.5mm <sup>2</sup> (m)	4x2.5mm <sup>2</sup> (m)	4x4mm <sup>2</sup> (m)	4x6mm <sup>2</sup> (m)	4x10mm <sup>2</sup> (m)	4x16mm <sup>2</sup> (m)	4x25mm <sup>2</sup> (m)
1 HP	380 - 415	2.6	-	492	787	1180	1968	3148	4919
2 HP	380 - 415	3.7	-	346	553	829	1383	2212	3456
3 HP	380 - 415	5	-	256	409	614	1023	1637	2558
5 HP	380 - 415	8	-	160	256	384	640	1023	1599
7½ HP	380 - 415	12	-	107	171	256	426	682	1066
10 HP	380 - 415	18	-	-	114	170	284	455	710
15 HP	380 - 415	23	-	-	-	133	222	356	556
20 HP	380 - 415	32	-	-	-	96	160	256	400
25 HP	380 - 415	38	-	-	-	81	135	215	337

### Volcano II Cable Sizing Chart

Single Phase 4 Conductor			4 Conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps @ 2875 RPM	4x1.5mm <sup>2</sup> (m)	4x2.5mm <sup>2</sup> (m)	4x4mm <sup>2</sup> (m)	4x6mm <sup>2</sup> (m)	4x10mm <sup>2</sup> (m)	4x16mm <sup>2</sup> (m)	4x25mm <sup>2</sup> (m)
½HP	220-230	3.5	110	183	293	440	733	1173	1832
1½ HP	220-230	11	35	58	93	140	233	373	583
Three Phase 4 Conductor			4 Conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps @ 2875 RPM	4x1.5mm <sup>2</sup> (m)	4x2.5mm <sup>2</sup> (m)	4x4mm <sup>2</sup> (m)	4x6mm <sup>2</sup> (m)	4x10mm <sup>2</sup> (m)	4x16mm <sup>2</sup> (m)	4x25mm <sup>2</sup> (m)
1½ HP	380-415	3	256	426	682	1023	1706	2728	4263
3½ HP	380-415	5.5	139	233	372	558	930	1488	2325
5½ HP	380-415	8	96	160	256	384	640	1023	1599

**NOTES:** 1) For acceptable performance and warranty qualification, minimum voltage at the motor (not the control panel), shall be 208V for 3PH applications. If a 208V 3PH power source is utilized, the use of boost transformers are necessary in most cases. It is recommended to verify voltage at control panel and contact AquaMaster for assistance and recommendations for sizing an acceptable application.



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