



**AquaMaster®**  
FOUNTAINS AND AERATORS  
A Division of Nigrelli Inc.

**BRINGING WATER TO LIFE**

FULL LINE CATALOG





## BRINGING WATER TO LIFE

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.

## PERFORMANCE



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

## WORLDWIDE SALES & DISTRIBUTION NETWORK



Authorized factory trained sales and service distributors to provide support.

## EXPEDIENT PRODUCTION LEAD TIMES



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

## EASE OF INSTALLATION



All products are designed with superior installation features requiring minimum assembly.

## COMPETITIVELY PRICED



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.

# “Bringing WATER to Life”

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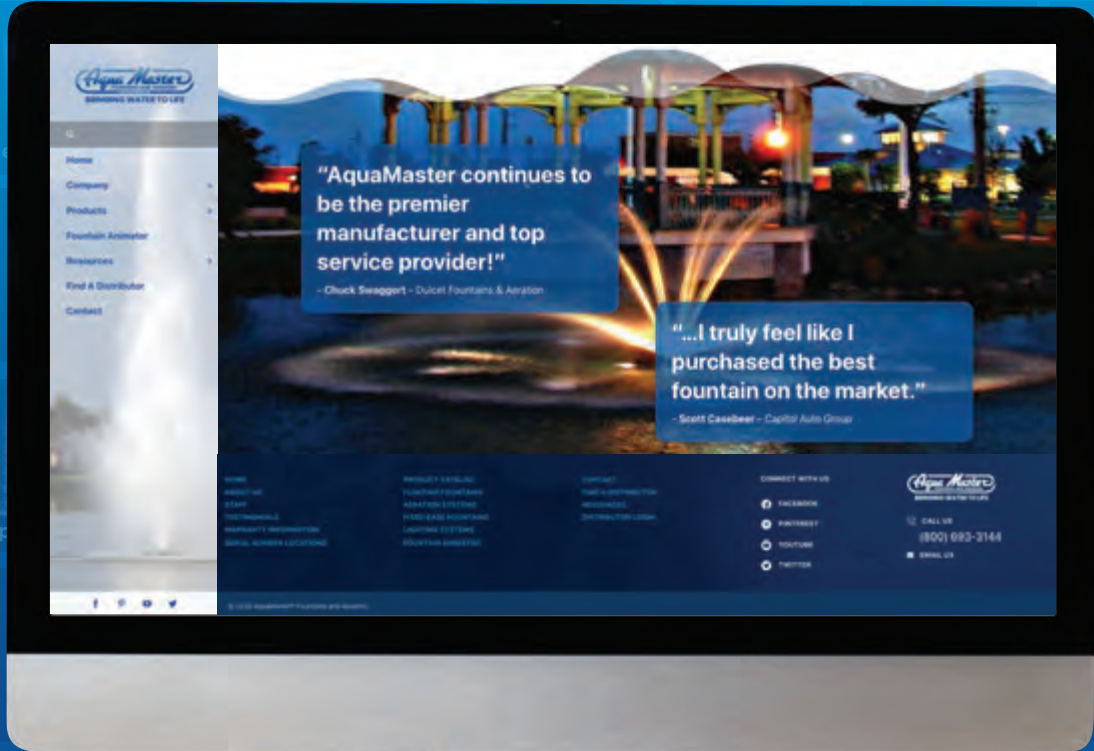
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# VISIT OUR WEBSITE

[AquaMasterFountains.com](http://AquaMasterFountains.com)



## Get to know AquaMaster®.

Explore our website and find more information about our company and our products. Have more questions? Reach out to one of our sales staff! They would be happy to help.







## MASTERS SERIES®

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. A flow straightener may be required. This flexibility give you the power to create dazzling waterscapes while improving water quality.

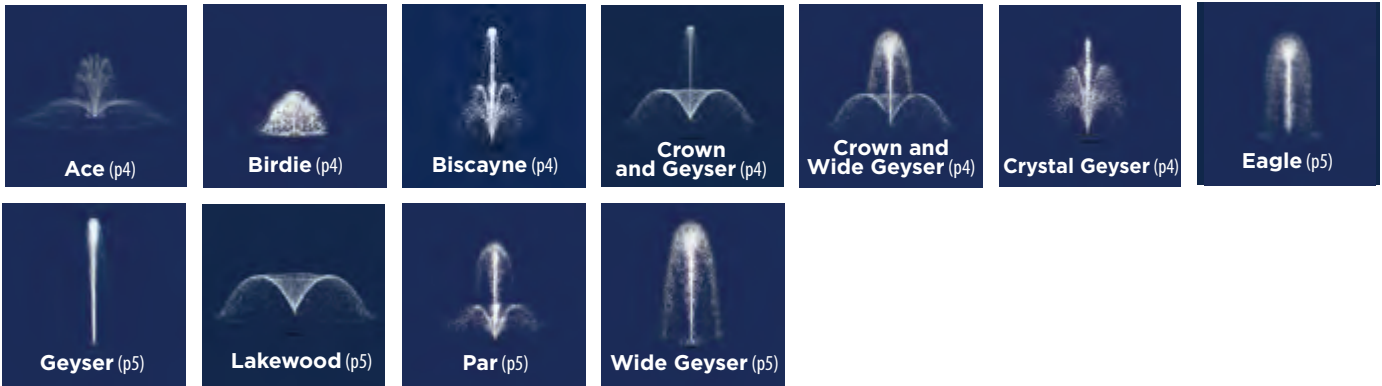
Masters Series® are high quality fountains that are designed to perform and built to last. Available in over 30 beautiful spray pattern choices. Sizes range from 1 to 10 HP in a variety of single phase and three phase, voltages at both 60 Hz and 50 Hz. All models (excuding 50 Hz) are shipped as packages.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



# MASTERS SERIES SPRAY PATTERNS

## BASIC FLOW PATTERNS (BFP)

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



## STRAIGHTENED FLOW PATTERNS (SFP)

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



## ADJUSTABLE STRAIGHTENED FLOW PATTERNS (ASFP)

This group of patterns dimensions can be easily adjusted by the turning of the lock nut assembly. Patterns are interchangeable with any Straightened Flow Pattern.



## SPECIALTY PATTERNS

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





### ACE

BASIC FLOW PATTERN (BFP)  
VERTICAL ONLY  
5 HP ACE



HORSEPOWER	1	2	3 & 3.5	5
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
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

### BIRDIE

BASIC FLOW PATTERN (BFP)  
VERTICAL ONLY  
5 HP BIRDIE



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
HT X DIA m	0.9 x 2.4	1.5 x 3	2.1 x 4.3	2.4 x 6.1

### BISCAYNE

BASIC FLOW PATTERN (BFP)  
VERTICAL ONLY  
3.5 HP BISCAYNE



HORSEPOWER	1	2	3 & 3.5	5	7.5	10
HT X DIA ft UPPER	11	14	16	20	25	32
HT X DIA ft LOWER	7 x 14	10 x 19	10 x 20	13 x 24	16 x 28	18 x 28
HT X DIA m UPPER	3.6	4	4.9	6.7	7.6	9.8
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

### CROWN & GEYSER

BASIC FLOW PATTERN (BFP)  
VERTICAL ONLY  
3.5 HP CROWN & GEYSER



HORSEPOWER	1	2	3 & 3.5	5	7.5	10
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
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	1.8 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

### CROWN & WIDE GEYSER

BASIC FLOW PATTERN (BFP)  
VERTICAL ONLY  
1 HP CROWN & WIDE GEYSER



HORSEPOWER	1	2	3 & 3.5	5	7.5	10
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
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

### CRYSTAL GEYSER

BASIC FLOW PATTERN (BFP)  
VERTICAL ONLY  
5 HP CRYSTAL GEYSER



HORSEPOWER	1	2	3 & 3.5	5	7.5	10
HT X DIA ft	15 x 26	17 x 30	19 x 30	22 x 32	26 x 34	30 x 34
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

## EAGLE

BASIC FLOW PATTERN (BFP)

VERTICAL ONLY

1 HP EAGLE



HORSEPOWER	1	2	3 & 3.5	5	7.5	10
HT X DIA ft	11 x 8	15 x 9	17 x 11	20 x 12	22 x 12	23 x 13
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

## 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

## LAKWOOD

BASIC FLOW PATTERN (BFP)

VERTICAL ONLY

5 HP LAKWOOD



HORSEPOWER	1	2	3 & 3.5	5	7.5	10
HT X DIA ft	7 x 18	9 x 24	11 x 30	15 x 36	16 x 40	16.5 x 50
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

## PAR

BASIC FLOW PATTERN (BFP)

VERTICAL ONLY

5 HP PAR



HORSEPOWER	1	2	3 & 3.5	5	7.5	10
HT X DIA 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 X DIA 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

## WIDE GEYSER

BASIC FLOW PATTERN (BFP)

VERTICAL ONLY

1 HP WIDE GEYSER



HORSEPOWER	1	2	3 & 3.5	5	7.5	10
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





## ARABELLA

STRAIGHTENED FLOW PATTERN (SFP)  
VERTICAL OR HORIZONTAL  
5 HP ARABELLA



HORSEPOWER	1	2	3 & 3.5	5
HT X DIA ft UPPER	5.5 x 7	7 x 10	8.5 x 12	13 x 18
HT X DIA ft LOWER	2 x 24	4 x 35	4 x 38	5 x 55
HT X DIA m UPPER	1.8 x 2.4	2.4 x 3.6	3.5 x 4.9	4 x 5.5
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

## AUGUSTA

STRAIGHTENED FLOW PATTERN (SFP)  
VERTICAL ONLY  
5 HP AUGUSTA



HORSEPOWER	1	2	3 & 3.5	5	7.5	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
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

## BAYSIDE

STRAIGHTENED FLOW PATTERN (SFP)  
VERTICAL OR HORIZONTAL  
5 HP BAYSIDE



HORSEPOWER	1	2	3 & 3.5	5	7.5	10
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 8	3 x 22	3 x 24	4 x 30	6 x 30	6 x 34
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
HT X DIA ft UPPER	23
HT X DIA ft MIDDLE	14 x 17
HT X DIA ft LOWER	7 x 25
HT X DIA m UPPER	7
HT X DIA m MIDDLE	5.2 x 5.2
HT X DIA m LOWER	3.6 x 8.8

## CHAMPION

STRAIGHTENED FLOW PATTERN (SFP)  
VERTICAL OR HORIZONTAL  
3.5 HP CHAMPION



HORSEPOWER	1	2	3 & 3.5	5	7.5	10
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
HT X DIA ft UPPER	17	19	20	30
HT X DIA ft LOWER	8 x 22	10 x 26	12 x 35	22 x 60
HT X DIA 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



## DIAMONDBACK

STRAIGHTENED FLOW PATTERN (SFP)

VERTICAL ONLY

5 HP DIAMONDBACK



50Hz 60Hz

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

## DORAL

STRAIGHTENED FLOW PATTERN (SFP)

VERTICAL OR HORIZONTAL

5 HP DORAL



50Hz 60Hz

HORSEPOWER	1	2	3 & 3.5	5
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
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

## DOUBLE EAGLE

STRAIGHTENED FLOW PATTERN (SFP)

VERTICAL OR HORIZONTAL

5 HP DOUBLE EAGLE



50Hz 60Hz

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

## FIRESTONE

STRAIGHTENED FLOW PATTERN (SFP)

VERTICAL OR HORIZONTAL

3.5 HP FIRESTONE



50Hz 60Hz

HORSEPOWER	1	2	3 & 3.5	5	7.5	10
HT X DIA ft UPPER	11	13	15	18	21	24
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 X DIA m UPPER	3	3.5	5.2	6.1	6.4	10.3
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

## HALFMOON

STRAIGHTENED FLOW PATTERN (SFP)

VERTICAL ONLY

5 HP HALFMOON



50Hz 60Hz

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

## IMPERIAL

STRAIGHTENED FLOW PATTERN (SFP)

VERTICAL OR HORIZONTAL

5 HP IMPERIAL



50Hz 60Hz

HORSEPOWER	1	2	3 & 3.5	5	7.5	10
HT X DIA ft UPPER	9	11	13	15	16	19
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 X DIA m UPPER	2.7	3.3	4	4.6	4.9	5.8
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



## MEDINAH

STRAIGHTENED FLOW PATTERN (SFP)  
VERTICAL OR HORIZONTAL  
5 HP MEDINAH



HORSEPOWER	1	2	3 & 3.5	5	7.5	10
HT X DIA ft	9 x 14	12 x 18	14 x 20	18 x 24	20 x 26	25 x 30
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

## MONTEREY

STRAIGHTENED FLOW PATTERN (SFP)  
VERTICAL ONLY  
3.5 HP MONTEREY



HORSEPOWER	1	2	3 & 3.5	5
HT X DIA 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 X DIA 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

## PRESTWICK

STRAIGHTENED FLOW PATTERN (SFP)  
VERTICAL OR HORIZONTAL  
5 HP PRESTWICK



HORSEPOWER	1	2	3 & 3.5	5	7.5	10
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
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

## RIVIERA

STRAIGHTENED FLOW PATTERN (SFP)  
VERTICAL OR HORIZONTAL  
5 HP RIVIERA



HORSEPOWER	1	2	3 & 3.5	5
HT X DIA ft UPPER	15	20	21	30
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 X DIA m UPPER	4.3	4.7	5.3	9.1
HT X DIA m MIDDLE	2.24 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

## ROYAL

STRAIGHTENED FLOW PATTERN (SFP)  
VERTICAL OR HORIZONTAL  
5 HP ROYAL



HORSEPOWER	1	2	3 & 3.5	5	7.5	10
HT X DIA ft UPPER	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	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
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

## SOMERSET

STRAIGHTENED FLOW PATTERN (SFP)  
VERTICAL OR HORIZONTAL  
1 HP SOMERSET



HORSEPOWER	1	2	3 & 3.5	5	7.5	10
HT X DIA ft UPPER	12	14	17	20	24	30
HT X DIA ft LOWER	6.5 x 16	7.5 x 18	9 x 22	11.5 x 25	12 x 30	12 x 30
HT X DIA m UPPER	3.6	4.3	5.2	6.1	7.3	9.1
HT X DIA m LOWER	2 x 4.9	2.3 x 5.5	2.7 x 6.7	3.5 x 7.6	3.7 x 9.1	3.7 x 9.1

## TURNBERRY

STRAIGHTENED FLOW PATTERN (SFP)  
 VERTICAL OR HORIZONTAL  
 3.5 HP TURNBERRY



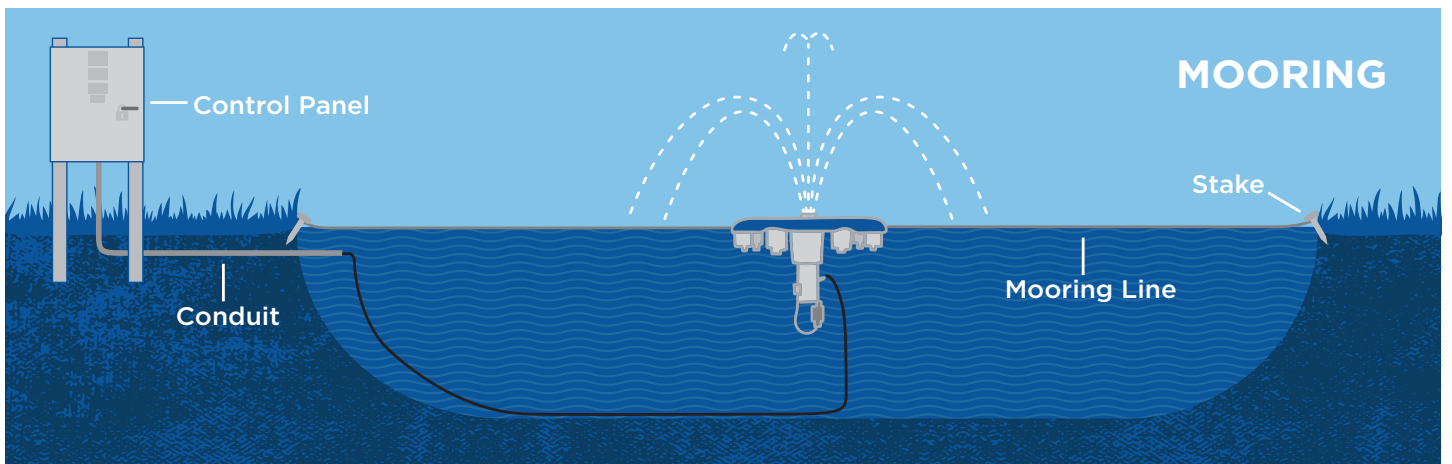
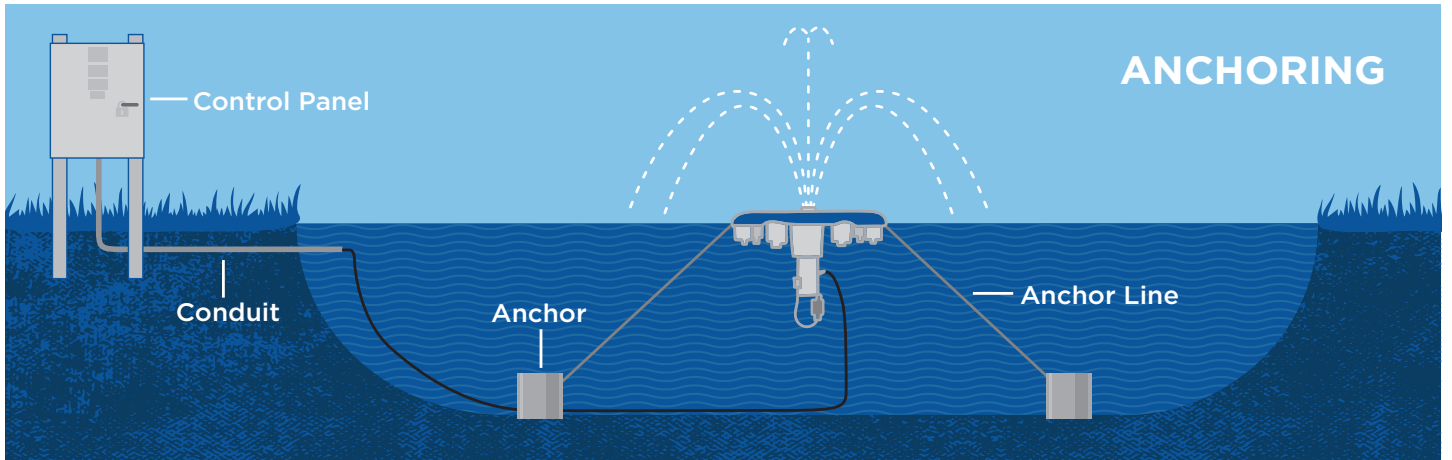
HORSEPOWER	1	2	3 & 3.5	5	7.5	10
HT X DIA ft	5.5 x 15	7 x 18	8 x 20	10 x 23	12.5 x 28	15 x 35
HT X DIA m	1.8 x 4.9	2.3 x 5.5	3.2 x 7.3	4.6 x 9.8	3.8 x 8.5	4.6 x 10.7

## VALHALLA

STRAIGHTENED FLOW PATTERN (SFP)  
 VERTICAL OR HORIZONTAL  
 5 HP VALHALLA



HORSEPOWER	1	2	3 & 3.5	5	7.5	10
HT X DIA ft UPPER	10	12	16	18	20	26
HT X DIA ft MIDDLE	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 35	4 x 35	4 x 40	5 x 45	7 x 40	8 x 60
HT X DIA m UPPER	3.2	3.6	5.2	6.1	6.1	8.5
HT X DIA m MIDDLE	2.1 x 4	2.4 x 4.6	3.3 x 6.4	3.7 x 9.1	4.3 x 6.7	4.9 x 6.7
HT X DIA m LOWER	1.2 x 8.2	1.5 x 9.1	1.8 x 12.2	1.9 x 12.8	2.1 x 12.8	2.4 x 18.3



AquaMaster® is here to help! Let our professional distributors help you make the best decision for your pond's specific needs.



## REFLECTION

ADJUSTABLE STRAIGHTENED FLOW PATTERN (ASFP)  
VERTICAL OR HORIZONTAL  
3.5 HP REFLECTION



HORSEPOWER	1	2	3 & 3.5	5	7.5	10
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
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

50HZ 60HZ

## SANIBEL

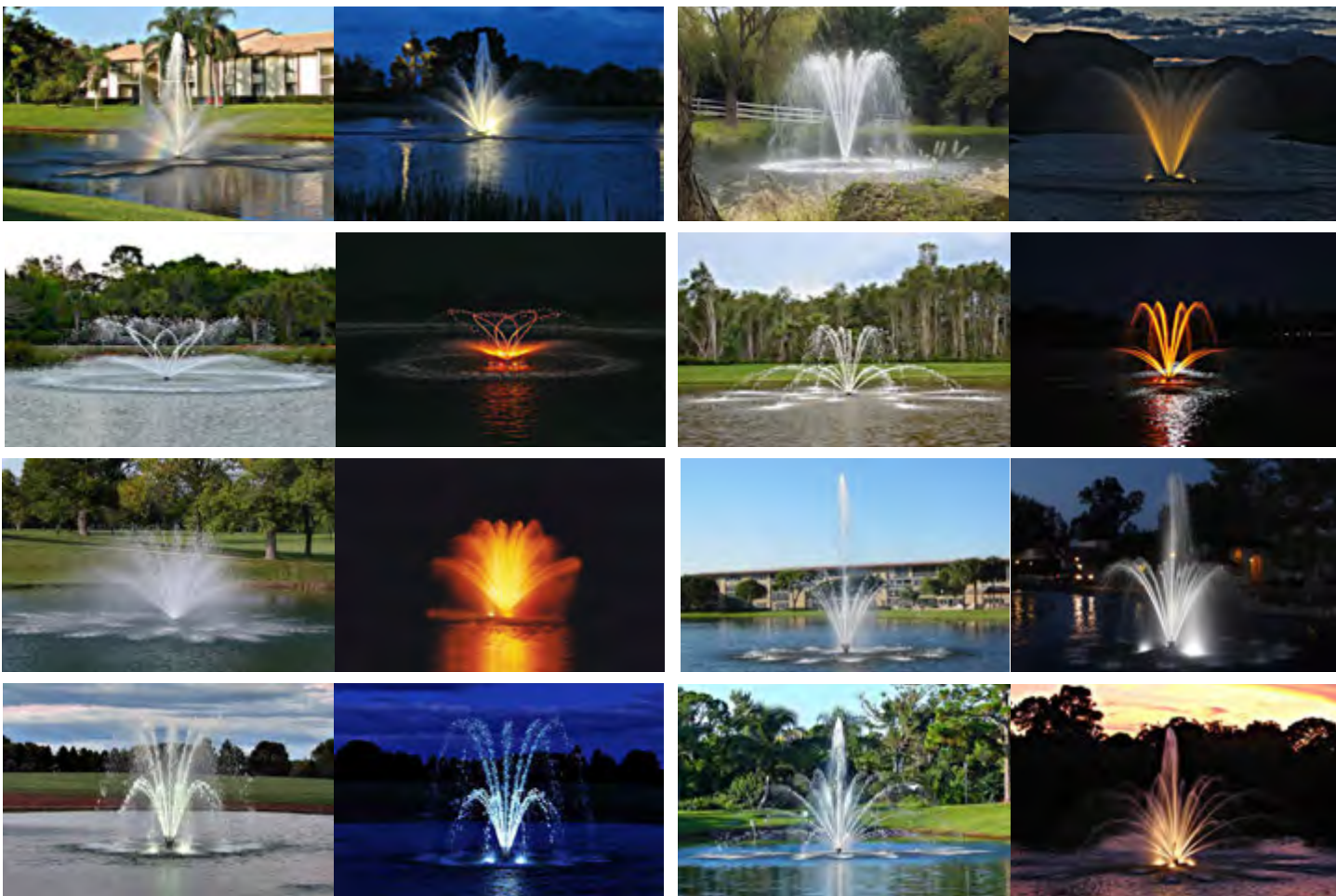
ADJUSTABLE STRAIGHTENED FLOW PATTERN (ASFP)  
VERTICAL OR HORIZONTAL  
5 HP SANIBEL



HORSEPOWER	1	2	3 & 3.5	5	7.5	10
HT X DIA ft	11 x 14	14 x 17	16 x 18	19 x 20	20 x 16	22 x 18
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

50HZ 60HZ

AquaMaster® products are even more dramatic at night with the addition of a Night Glow LED or RGBW Lighting System. Check out our Night Glow section that makes the perfect addition to your new fountain.



## CAPTIVA

SPECIALTY PATTERN  
VERTICAL ONLY  
5 HP CAPTIVA



The 1-5 HP requires 6" additional depth & uses a float tube intake screen assembly.

HORSEPOWER	1	2	3 & 3.5	5	7.5	10
HT X DIA ft	9 x 4	12 x 4	15 x 5	19 x 7	23 x 8	25 x 8
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

50 Hz 60 Hz

## KIAWAH

SPECIALTY PATTERN  
10 HP KIAWAH



HORSEPOWER	7.5	10
HT X DIA ft UPPER	28	30
HT X DIA ft LOWER	15 x 40	18 x 50
HT X DIA m UPPER	8.5	9.1
HT X DIA m LOWER	4.6 x 12.2	5.5 x 15.2

50 Hz 60 Hz



### CONTROL PANEL COMPONENTS

- Outdoor rated, lockable enclosure constructed of galvanized steel powder coated gray
- Standard enclosure size 16" x 16" x 6" for 1-5HP and 24" x 20" x 6" for 7.5-10HP (1Ph) 30" x 24" x 8" for 7.5-10HP (3Ph)
- Overcurrent protection
- Ground fault protection
- Motor contactor and overload
- Capacitors (single phase only)
- Digital timers with battery backup
- LED lighting circuit included in all control panels
- Custom Control Panels for multiple units and options available



## MASTERS SERIES® WARRANTY

### DOMESTIC

1-5 HP: 5 Years Parts and Labor  
7.5-10 HP: 4 Years Parts and Labor

### INTERNATIONAL

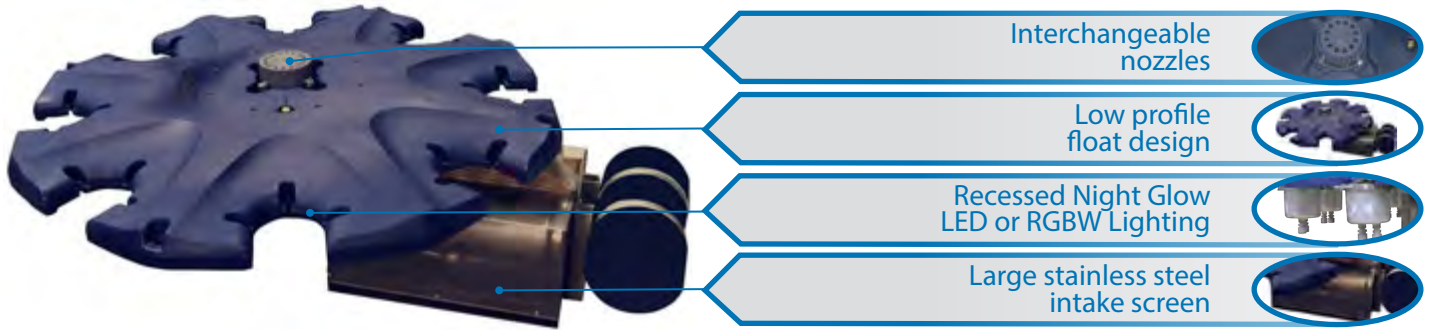
1-5 HP: 5 Years Parts and 1 Year Labor  
7.5-10 HP: 3 Years Parts and 1 Year Labor

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

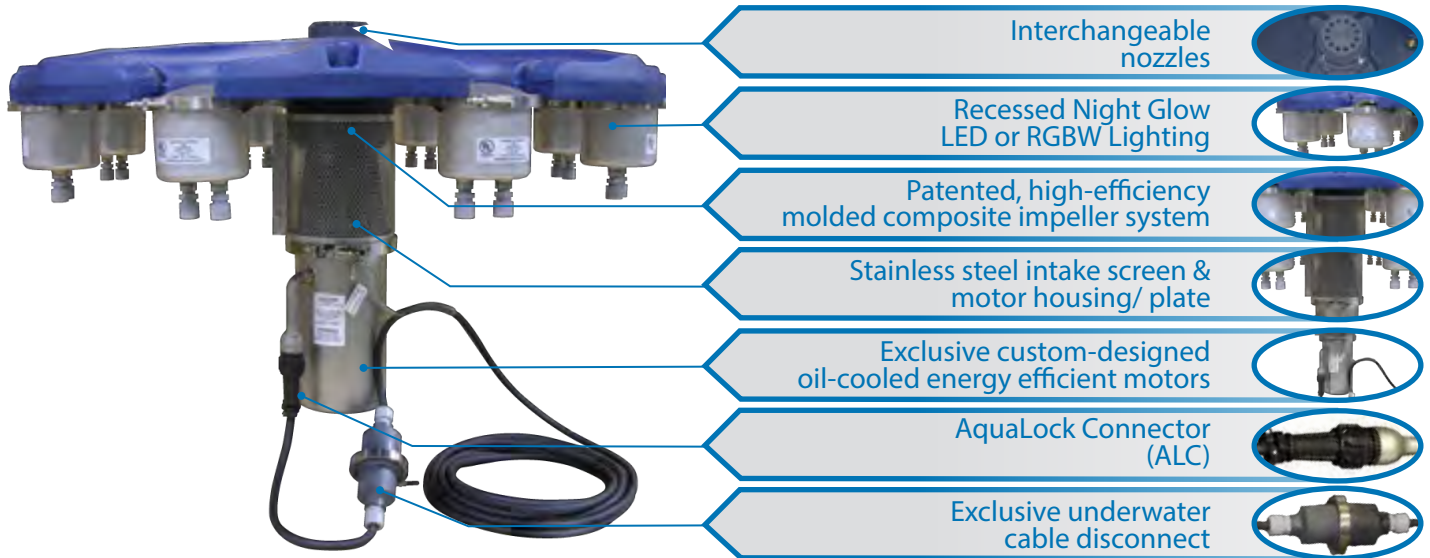


# MASTERS SERIES® DESIGN TYPES

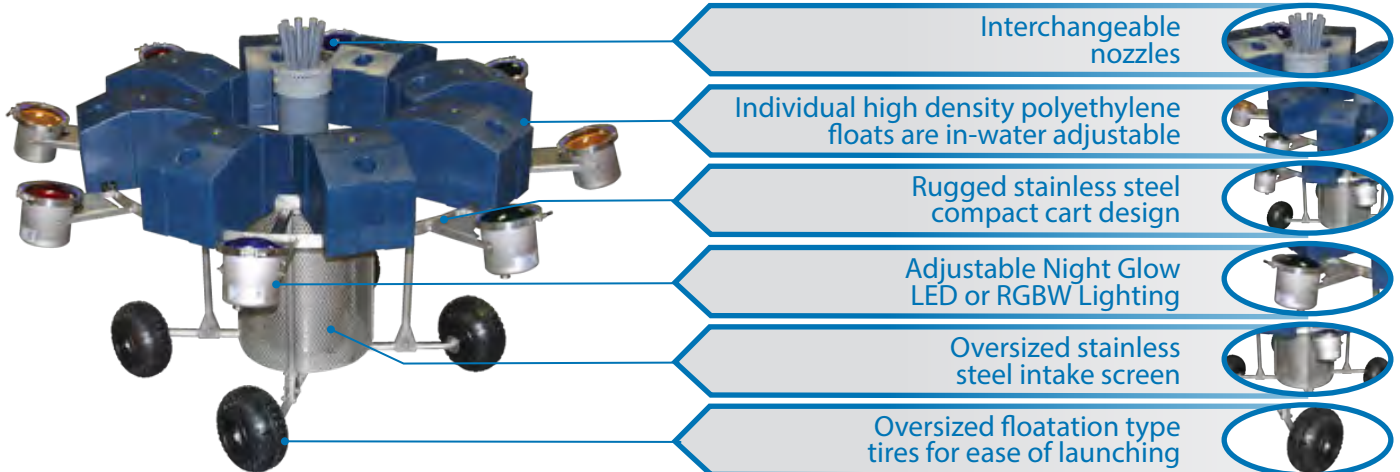
## 1 - 5 HP HORIZONTAL DESIGN 16" minimum operating depth



## 1 - 5 HP STANDARD VERTICAL DESIGN 3ft minimum operating depth



## 7.5 - 10 HP CART DESIGN 4ft minimum operating depth







## MASTERS DECORATIVE SERIES®

The Masters Decorative Series® is a ½ HP Masters Fountain with a Classic LE float. This allows the user to get the performance of a Masters series fountain at a lower cost. All existing ½ HP Masters Series® patterns are available on the Decorative Series. Fountains are available in 120V 1PH and 208-240V 1PH. Packages are UL listed for safety and backed by superior factory warranties.



# 1/2 HP MASTERS DECORATIVE SERIES

## Specifications



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



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



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



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



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



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



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



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



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



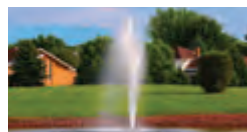
CRYSTAL GEYSER (BFP)		60Hz
HT x DIA ft UPPER	8 x 20	
HT x DIA m UPPER	1.8 x 5	50Hz



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



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



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



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



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



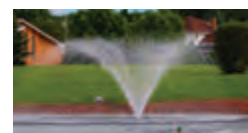
GEYSER (BFP)		60Hz
HT x DIA ft UPPER	10 x 2	
HT x DIA m UPPER	2.4 x 0.9	50Hz



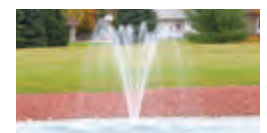
HALF MOON (SFP)		60Hz
HT x DIA ft UPPER	4 x 13	
HT x DIA m UPPER	0.9 x 3	50Hz



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



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



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



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



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



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



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



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



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



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



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



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



WIDE GEYSER (BFP)		60Hz
HT x DIA ft UPPER	11 x 5	
HT x DIA m UPPER	2.4 x 1.2	50Hz



AQUA DOME (ASFP)		60Hz
HT x DIA ft NARROW	2 x 4	
HT x DIA ft WIDE	2 x 5.5	50Hz
HT x DIA m NARROW	0.6 x 1.2	
HT x DIA m WIDE	0.6 x 1.7	

### 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.

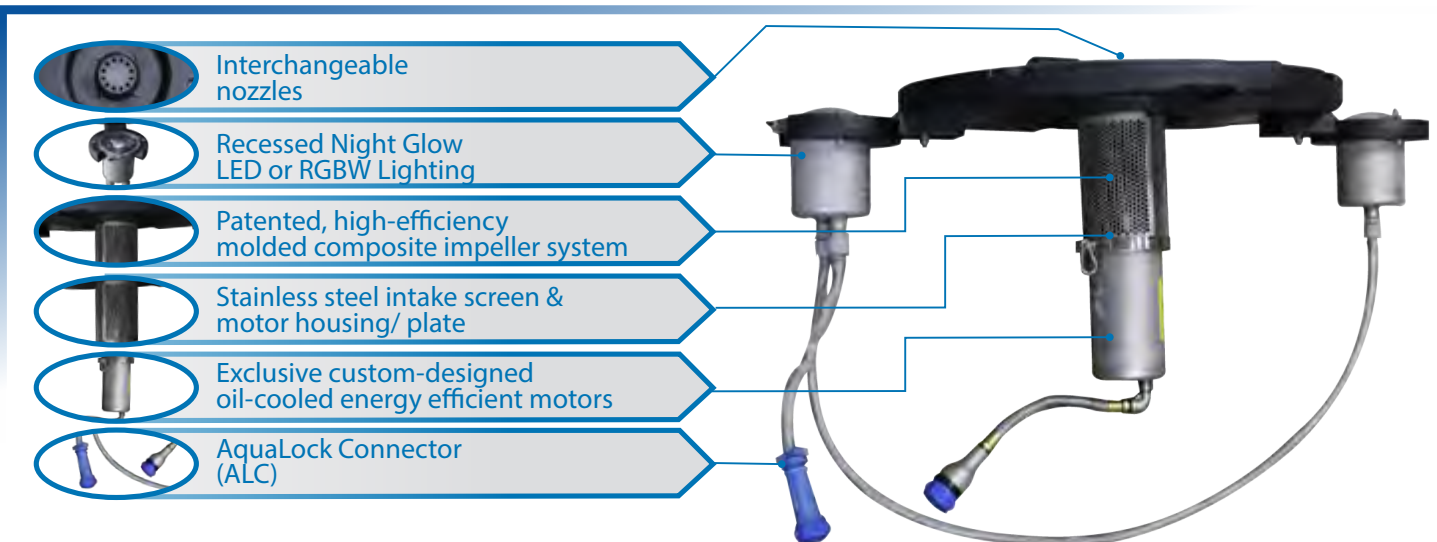


### Upgraded Panels:

- 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 MASTERS DECORATIVE SERIES DESIGN







## 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.

[www.AquaMasterFountains.com](http://www.AquaMasterFountains.com)

# AQUARIUS

10 HP AQUARIUS



	HORSEPOWER	10	15	20	25
50 Hz	HT X DIA ft UPPER	32	42	48	56
60 Hz	HT X DIA ft LOWER	10 x 40	14 x 44	16 x 52	18 x 58
	HT X DIA 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

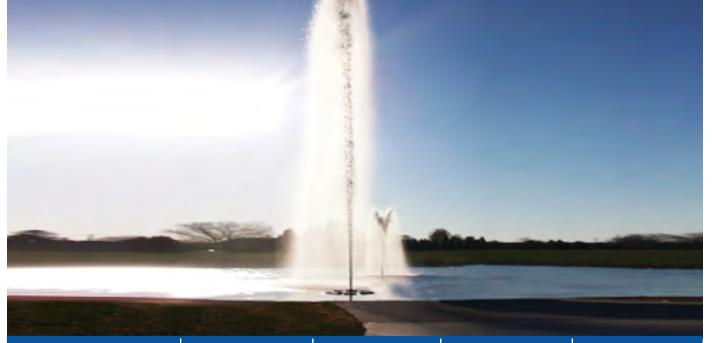
15 HP ARIES



	HORSEPOWER	10	15	20	25
50 Hz	HT X DIA ft UPPER	30	40	50	60
60 Hz	HT X DIA ft LOWER	16 x 35	18 x 40	20 x 45	22 x 50
	HT X DIA 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

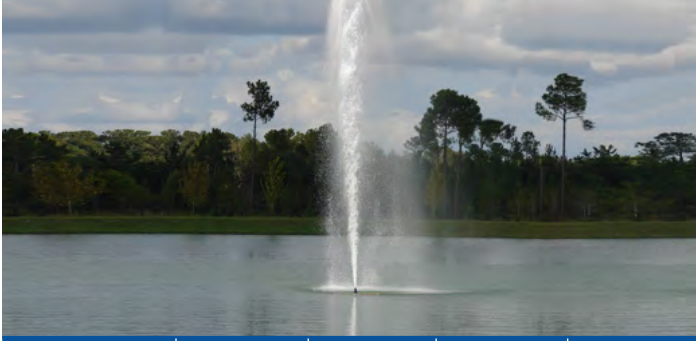
10 HP GEMINI



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

# LEO

10 HP LEO



	HORSEPOWER	10	15	20	25
50 Hz	HT X DIA ft	35 x 10	40 x 10	50 x 10	58 x 10
60 Hz	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
50 Hz	HT X DIA ft	26 x 10	36 x 10	42 x 10	48 x 10
60 Hz	HT X DIA m	8 x 3	11 x 3	NA	14.6 x 3



## OLYMPIAN

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
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				

50Hz  
60Hz

## 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
HT X DIA m	8.5 x 3	11 x 3	NA	15.2 x 4.9

50Hz  
60Hz

## SCORPIO

10 HP SCORPIO



HORSEPOWER	10	15	20	25
HT X DIA ft	25 x 10	30 x 10	32 x 10	37 x 10
HT X DIA m	7.6 x 3	9.1 x 3	NA	11.3 x 3

50Hz  
60Hz

## TAURUS

10 HP TAURUS



HORSEPOWER	10	15	20	25
HT X DIA 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
HT X DIA 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

50Hz  
60Hz

## VIRGO

10 HP VIRGO



HORSEPOWER	10	15	20	25
HT X DIA ft UPPER	30	40	50	60
HT X DIA ft LOWER	10 x 40	10 x 50	10 x 50	10 x 50
HT X DIA 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

50Hz  
60Hz



**CELESTIAL FOUNTAINS®**  
WARRANTY

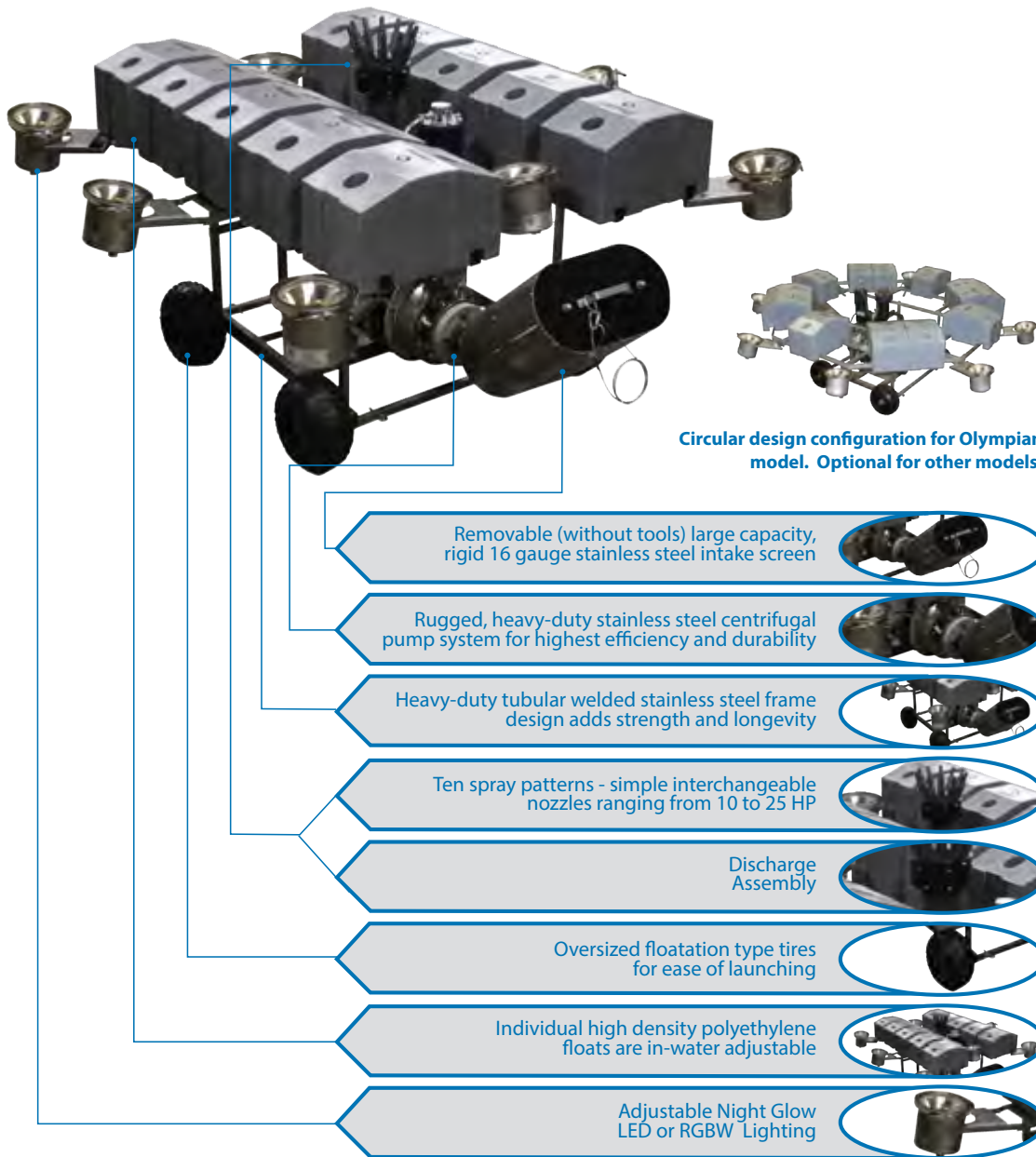
### DOMESTIC

10 - 25 HP: 4 Years Parts and Labor

### INTERNATIONAL

10 - 25 HP: 3 Years Parts and 1 Year Labor

# 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

## CELESTIAL FOUNTAINS KEY FEATURES

- Total Component UL & cUL listed 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'
- Simple assembly and installation
- 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





## 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 Master's Series® floating fountain spray patterns.

[www.AquaMasterFountains.com](http://www.AquaMasterFountains.com)



# FIXED BASE FOUNTAINS

AVAILABLE IN 1/2 HP, 1-5 HP, OR CUSTOM



## AQUAMASTER FIXED BASE FOUNTAINS

### 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 utilize Masters Series® floating fountain nozzle patterns.

### WE CAN CUSTOMIZE TO YOUR NEEDS

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







 **FIXED BASE FOUNTAINS**  
WARRANTY

**DOMESTIC**

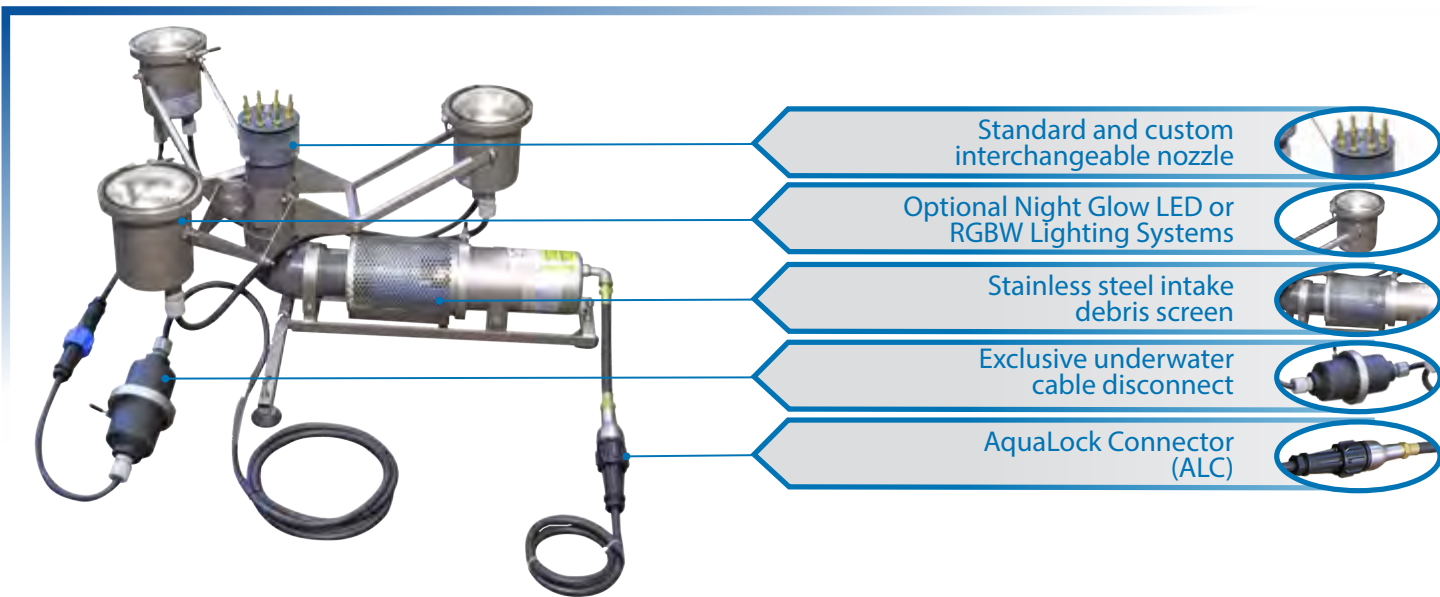
1/2 HP: 5 Years Parts and Labor  
1 - 5 HP: 5 Years Parts and Labor

**INTERNATIONAL**

1/2 HP: 2 Years Parts and 1 Year Labor  
1 - 5 HP: 3 Years Parts and 1 Year Labor

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

# FIXED BASE FOUNTAIN DESIGN



## Fixed Base Fountain Features

- Available horizontally or vertically mounted
- 1/2 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 in Masters Series® as seen on page 3
- Waterline depth and basin dimensions required



## OPERATING DEPTH

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

	HORSEPOWER	DEPTH	MOUNTING		HORSEPOWER	DEPTH	MOUNTING
<b>60 HZ</b>	½ HP	15 - 25"	Horizontal	<b>50 HZ</b>	½ HP	38.1 - 63.5 cm	Horizontal
	½ HP	26" & above	Vertical		½ HP	66 cm & above	Vertical
	1 - 5 HP	18 - 35"	Horizontal		1 - 5 HP	45.7 - 88.9 cm	Horizontal
	1 - 5 HP	36" & above	Vertical		1 - 5 HP	91.4 cm & above	Vertical





## HIGH PERFORMANCE AERATION SYSTEMS VOLCANO II & III

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.



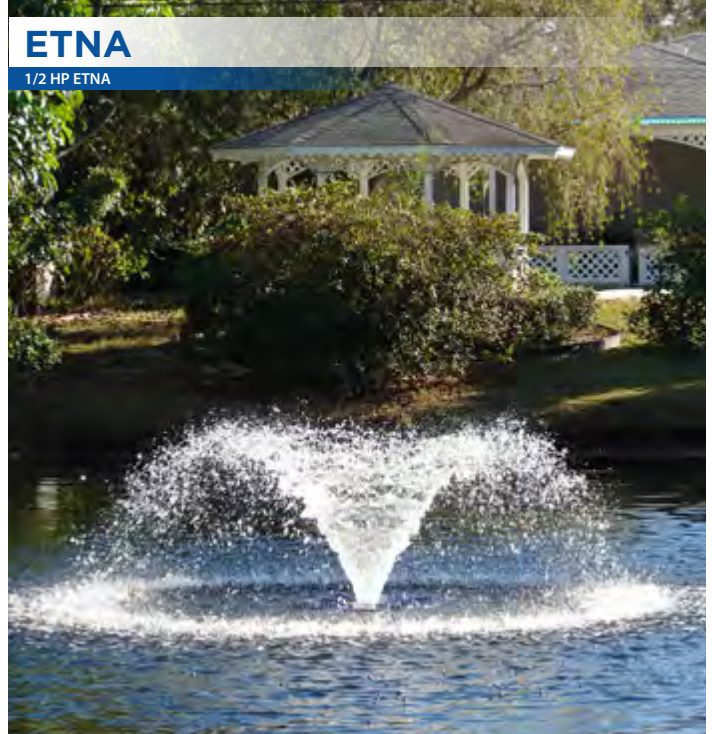
# VOLCANO II



## VOLCANO II

1/2 HP STANDARD

HORSEPOWER		1/2	HORSEPOWER		1/2
60HZ	HT X DIA ft	1 x 4	50 HZ	HT X DIA m	0.3 x 1.2
	GPM	420		m <sup>3</sup> /hr	88



## ETNA

1/2 HP ETNA

HORSEPOWER		1/2	HORSEPOWER		1/2
60HZ	HT X DIA ft	4 x 12	50 HZ	HT X DIA m	n/a
	GPM	258		m <sup>3</sup> /hr	n/a



## SHASTA

1/2 HP SHASTA

HORSEPOWER		1/2	HORSEPOWER		1/2
60HZ	HT X DIA ft	1.5 x 7	50 HZ	HT X DIA m	0.5 x 1.5
	GPM	324		m <sup>3</sup> /hr	66

## 1/2 HP VOLCANO II KEY FEATURES

- Available in 120V & 240V single phase
- Easily installed, similar to Floating Fountain Aerators
- Only requires two feet of operating depth
- Works in deeper depths with optional float mounted deep water intake
- Quality stainless steel components
- Night Glow LED or RGBW Lighting Systems available
- Creates a fluid boil effect, resulting in maximum pumping rates and O<sub>2</sub> transfer



**VOLCANO II**  
WARRANTY

### DOMESTIC

1/2 HP: 3 Years Parts and Labor

### INTERNATIONAL

1/2 HP: 2 Years Parts and 1 Year Labor

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



# VOLCANO III

## VOLCANO III STANDARD

5.5 HP STANDARD



HORSEPOWER		1½	3½	5½
60Hz	HT x DIA ft	3 x 8.5	4 x 12	5 x 14
	GPM	1324	2130	2734
50Hz	HT x DIA m	0.9 x 3.1	1.2 x 3.7	1.4 x 4.8
	m3/hr	327	485	686

## VOLCANO III ETNA

5.5 HP ETNA



HORSEPOWER		1½	3½	5½
60Hz	HT x DIA ft	5 x 12	7.5 x 20	9 x 28
	GPM	527	862	1377
50Hz	HT x DIA m	1.4 x 3.1	1.5 x 4.9	1.8 x 5.5
	m3/hr	157	243	280



## VOLCANO III KEY FEATURES

- Handles / tie downs on float
- Only requires three feet of operating depth
- One float for 1.5 - 5.5 HP units
- Robust frame
- Precision balanced stainless steel prop
- Adjustable light bracket accommodates one of two different sized light housings
- Custom biodegradable oil-cooled, energy efficient, servicable motors
- UL, cUL listed and CE approved



### DOMESTIC

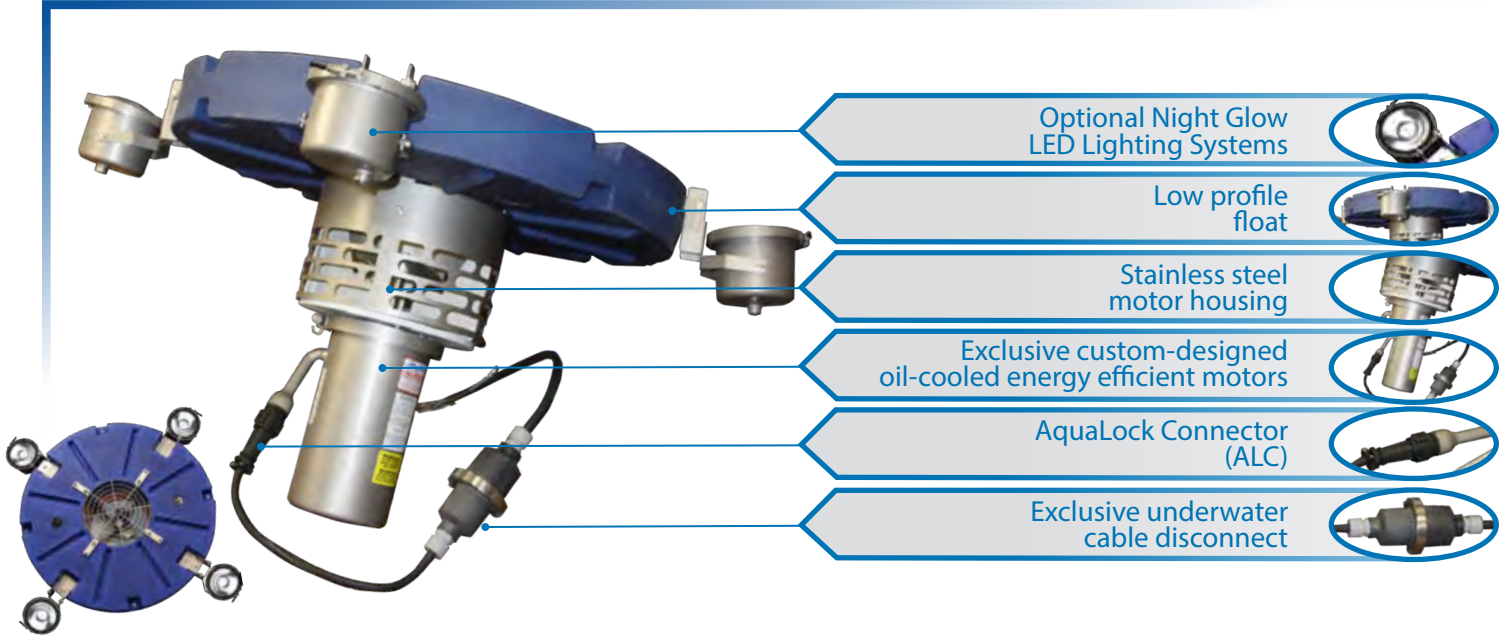
1.5 - 5.5 HP: 5 Years Parts and Labor

### INTERNATIONAL

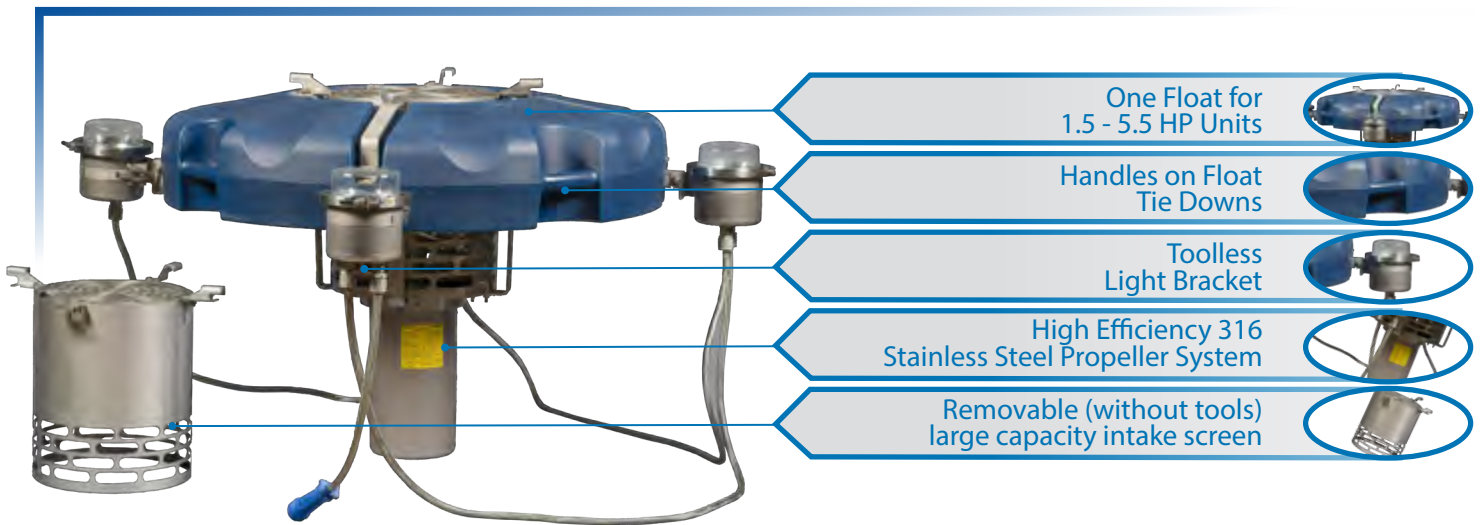
1.5 - 5.5 HP: 3 Years Parts and 1 Year Labor

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

# 1/2HP VOLCANO II DESIGN



# VOLCANO III DESIGN



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





## HIGH PERFORMANCE DIFFUSED AQUAIR® ULTRA SERIES

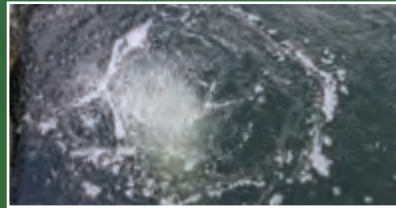
AquaAir® Ultra provides ponds and lakes with superior aeration, circulation, and destratification. Dissolved oxygen (DO) levels are increased throughout the entire water column with the use of bottom-mounted diffusers. The diffusers employ a super fine micro-bubble technology resulting in the highest 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 1/3 to 2 HP with one to twelve diffusers.



## AQUAAIR® ULTRA

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

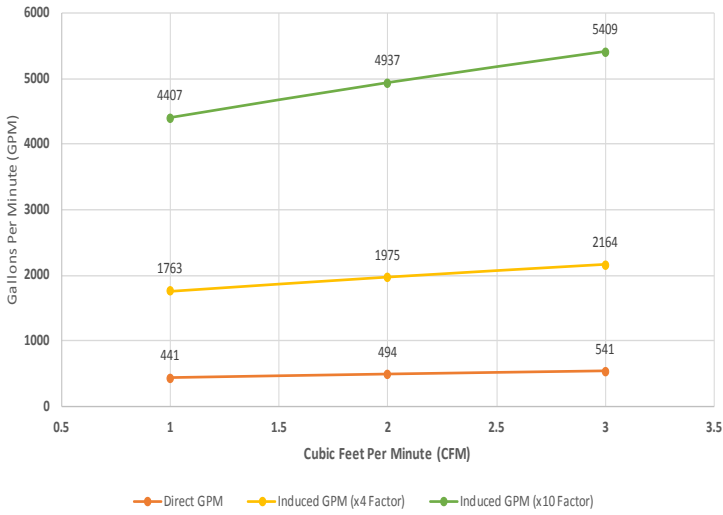
- Entire water column circulation
- Elimination of thermal stratification
- Increased dissolved oxygen levels that stimulate the natural aerobic digestion process thus reducing nutrient levels and associated algal growth
- Elimination of oxygen related fish kills and expansion of the oxygenated habitat 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



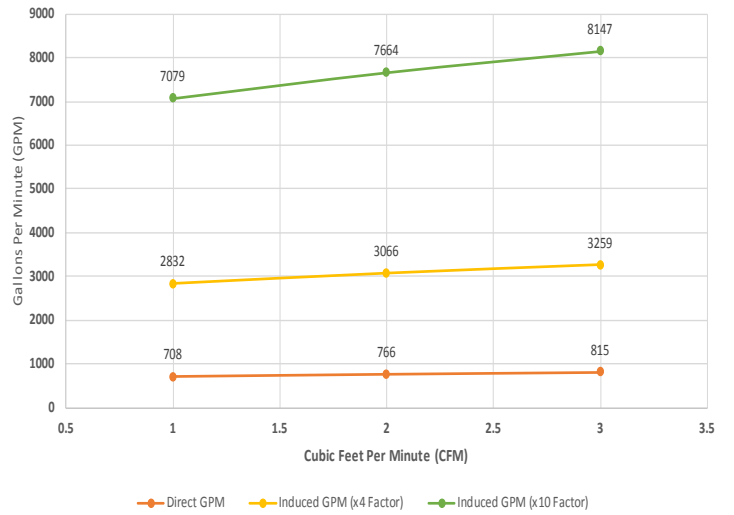


# PUMPAGE VS AIR FLOW

Pumpage vs Air Flow for One Single 12" Membrane Diffuser



Pumpage vs Air Flow for One Dual 12" Membrane Diffuser



**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.**

# AQUAAIR® ULTRA SERIES DESIGN



## 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
- Optional weighted diffuser base available



## 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" L x 15" W x 16.25" H; on a 24" x 24" HDPE Base  
AAU 4-6 – 21" L x 17" W x 16.25" H; on a 24" x 24" HDPE Base
- Outside Dimensions including overhang of cover & external manifold housing  
AAU 7-12 – 28.75" L x 24.13" W x 18" H; on a 24" x 24" 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 - AQUAIR® 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)

\*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



## SOLAR AQUAAIR® ULTRA

MODEL SAAU2

**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.

# SOLAR AQUAAIR® ULTRA SYSTEM KEY FEATURES

- 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  
- 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

## LAKE AND POND BENEFITS

- 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**  
**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\*\*

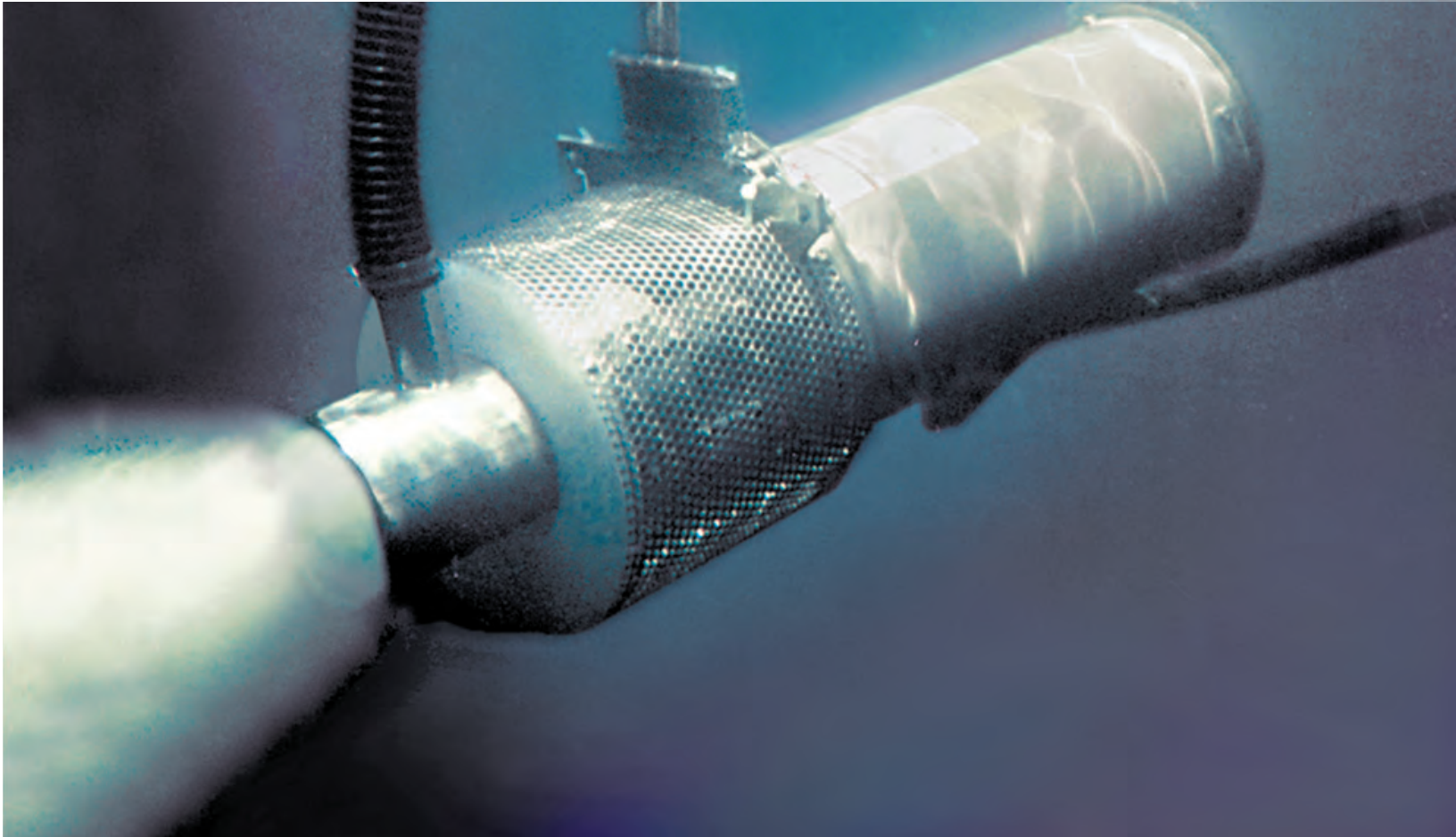


## PERFORMANCE SPECIFICATIONS

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>SAAU2</b>								
96202	2	2	4	1.4	0.70	~3.0	Up to 1/2 Up to 1	4' to 10' 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'



# ULTIMAX® DIRECTIONAL FLOW AERATION



## ULTIMAX® WARRANTY

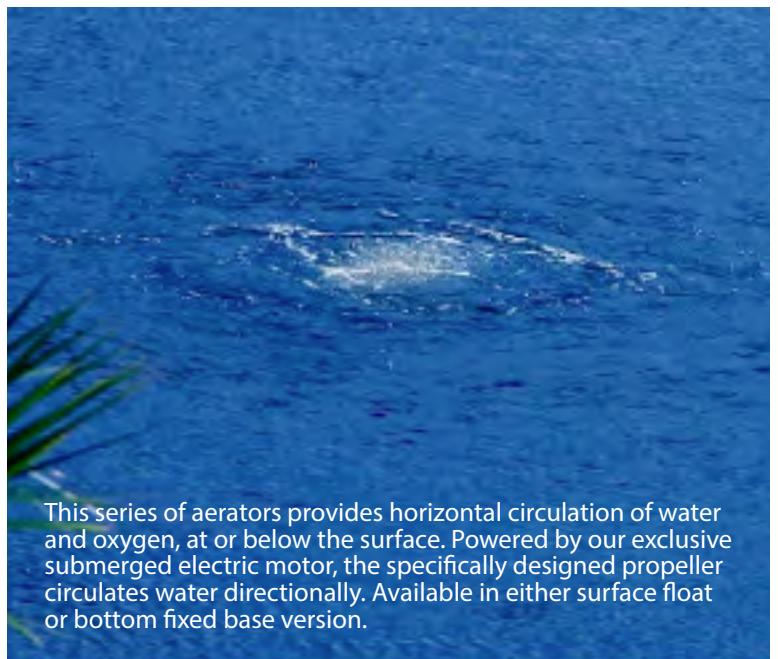
### DOMESTIC

1/2 HP: 2 Years Parts and Labor  
1 - 5 HP: 3 Years Parts and Labor

### INTERNATIONAL

1/2 HP: 2 Years Parts and 1 Year Labor  
1 - 5 HP: 3 Years Parts and 1 Year Labor

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



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 DIRECTIONAL FLOW AERATION DESIGN



## 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

## PERFORMANCE SPECIFICATIONS

60 Hz	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				

50 Hz	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

## 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.





## 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 20W 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

# LIGHTING SYSTEM CABLE LENGTH CHART

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	885	4500	1372	7500	2286
20 RGBW	3	120	0.500	1935	590	3000	914	5000	1524
20 RGBW	4	120	0.667	1452	442	2250	686	3750	1143
40 RGBW	2	120	0.667	1452	442	2250	686	3750	1143
40 RGBW	3	120	1.000	968	295	1500	457	2500	762
40 RGBW	4	120	1.333	726	221	1125	343	1875	572
40 RGBW	6	120	2.000	484	147	750	229	1250	381
40 RGBW	8	120	2.667	363	111	563	171	938	286
40 RGBW	12	120	4.000	242	74	375	114	625	191

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



# AQUAMASTER ACCESSORIES

## 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:

- Chose 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)

# AQUAMASTER ACCESSORIES

## 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.



### 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.



### SURGE PROTECTOR ASSEMBLY

The surge protector assembly will protect the equipment from surges on the incoming power lines. The modules can easily be replaced when the red indicator is displayed. Retrofit kit available to add to existing units already in the field.



### PHASE MONITOR FOR 3 PHASE

Voltage monitor to protect 3 Phase motors from damage.

### ALSO AVAILABLE:

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





# Bringing Water to Life!

## Why do I need Water Management?

Oxygen deprived water creates deficiencies for lakes and ponds. By circulating oxygen throughout, it will help create and maintain a healthy, balanced ecosystem while de-stratifying the water column, stimulating the natural aerobic microbial cleansing process, reducing excessive nutrients, insect infestations, noxious gases and stabilizing pH levels.

**Water Management** through aeration is a key process for improving water quality and maintaining a stable aquatic habitat. Aeration through the use of a surface **Fountain/Aerator** or a bottom **Diffused Air** unit allows increased dissolved oxygen to flow through the water. This process assists in dissolving harmful organic by-products that can cause odor, decreases algae and weed overgrowth, helps maintain a healthier growth environment for water plants which feed fish and other aquatic life; therefore helping to eliminate fish kills that are caused by decomposing plants and stagnant water.

**AquaMaster® Fountains** is recognized throughout the world as one of the premier manufacturers of water fountains, with durable and easy-to-install models ranging from 1/2 to 25 HP in size and over 30 different spray patterns (nozzles) to choose from. Fountains and Aerators are available in both 60 Hz and 50 Hz depending on the voltage you may require. Our products designed, built, and tested in the **USA** in accordance with **UL, cUL** and **CE** safety standards.

Depending on the pond size, location and water quality concerns will determine the treatment needed to help. We offer a wide variety of products to use with the assistance of our many channels of dealers and distributors. Each of these professionals are trained and certified to work with our equipment. Visit our website at **AquaMasterFountains.com** to locate one in your area.

**BEFORE**



**AFTER**

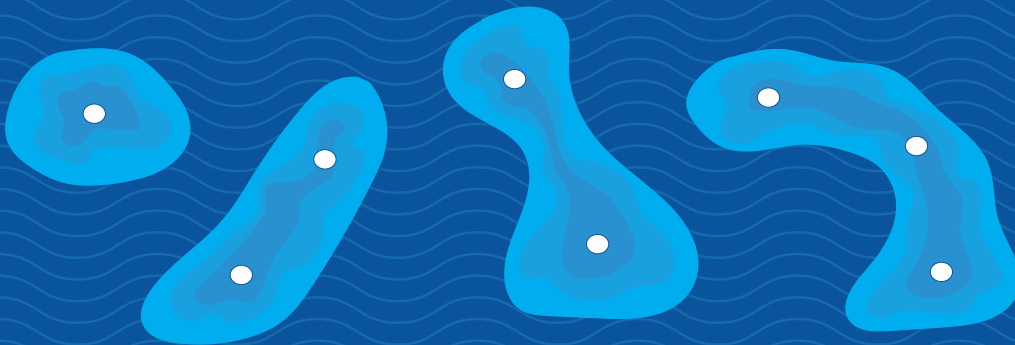






# Find Your Fit!

**Discover the Size and Placement that Fits Your Needs**



No two bodies of water are the same.  
When it comes to your equipment requirements let our professional distributors assist you.  
Please visit [www.AquaMasterFountains.com](http://www.AquaMasterFountains.com) to locate one nearest you!



# 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 & III

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. For acceptable performance and warranty qualification, minimum voltage at the motor (not the control panel) shall be 208V for 1-5HP and 220V for 7.5-25HP applications. Actual voltage to motor will affect your fountain's performance which may require upsizing the unit cable or use of a boost transformer. Please contact AquaMaster® if assistance is required.

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	--	--	--	168	267	422	655
10HP	220-240*	60	--	--	--	--	187	296	458

\* The 7.5HP-25HP models require a minimum voltage of 220V. \* EPD Breaker required for 1-7.5HP 1Ph cable lengths of 300ft or longer.

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	220-240*	26.4	--	--	--	308	491	776	1203
7½HP	440-480	13.2	--	481	802	1234	1964	3104	4811
10 HP	220-240*	36	--	--	--	226	360	569	882
10 HP	440-480	18	--	--	588	905	1440	2276	3528
15 HP	220-240*	46	--	--	--	177	282	445	690
15 HP	440-480	23	--	--	--	708	1127	1781	2761
20 HP	220-240*	58	--	--	--	--	223	353	548
20 HP	440-480	29	--	--	--	562	894	1413	2190
25 HP	220-240*	72	--	--	--	--	--	285	441
25 HP	440-480	36	--	--	--	452	720	1138	1764

### 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	2143
½	208-240	3.5	479	743	1238	1905	3032	4793	7429

### Volcano III 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)
1½	208-240	8	-	325	542	833	1327	2097	3250
3½	208-240	16	-	163	271	417	663	1048	1625
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	5004
1½	440-480	3	-	2117	3528	5428	8641	13658	21170
3½	208-240	11	-	273	455	700	1114	1761	2729
3½	440-480	5.5	-	1155	1925	2961	4713	7450	11547
5½	208-240	16	-	188	313	481	766	1211	1876
5½	440-480	8	-	794	1323	2036	3240	5122	7939



## 50 Hz Unit Cable Sizing Chart

Maximum recommended length from fountain to electrical source, shown in meters. Wire gauge is shown in AWG. 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	#14 (m)	#12 (m)	#10 (m)	#8 (m)	#6 (m)	#4 (m)	#2 (m)
1/2 HP	220-230	3	180	279	466	716	1140	1803	2794
Single Phase 4 Conductor			4 Conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps	#14 (m)	#12 (m)	#10 (m)	#8 (m)	#6 (m)	#4 (m)	#2 (m)
1 HP	220-230	8	--	105	175	269	428	676	1048
2 HP	220-230	10.5	--	80	133	205	326	515	798
3 1/2 HP	220-230	19	--	--	74	113	180	285	441
5 HP	220-230	24	--	--	58	90	143	225	349

\* 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 (m)	#12 (m)	#10 (m)	#8 (m)	#6 (m)	#4 (m)	#2 (m)
1 HP	380-415	2.6	--	643	1072	1649	2625	4148	6430
2 HP	380-415	3.7	--	425	753	1159	1844	2915	4518
3 HP	380-415	5	--	334	557	857	1365	2157	3344
5 HP	380-415	8	--	209	348	536	853	1348	2090
7 1/2 HP	380-415	12	--	139	232	357	569	899	1393
10 HP	380-415	18	--	--	155	238	379	599	929
15 HP	380-415	23	--	--	121	186	297	469	727
25 HP	380-415	38	--	--	--	113	180	284	440

### Volcano II Floating Surface Aerator Cable Sizing Chart

Single Phase 4 Conductor			4 Conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps	#14 (m)	#12 (m)	#10 (m)	#8 (m)	#6 (m)	#4 (m)	#2 (m)
1/2 HP	220-230	3.5	155	239	399	614	977	1545	2395

### Volcano III Cable Sizing Chart

Single Phase 4 Conductor			4 Conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps	#14 (m)	#12 (m)	#10 (m)	#8 (m)	#6 (m)	#4 (m)	#2 (m)
1 1/2 HP	220-230	11	-	76	127	195	311	492	762
Three Phase 4 Conductor			4 Conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps	#14 (m)	#12 (m)	#10 (m)	#8 (m)	#6 (m)	#4 (m)	#2 (m)
1 1/2 HP	380-415	3	-	557	929	1429	2275	3595	5573
3 1/2 HP	380-415	5.5	-	304	507	779	1241	1961	3040
5 1/2 HP	380-415	8	-	209	348	536	853	1348	2090

**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.

# NOTES

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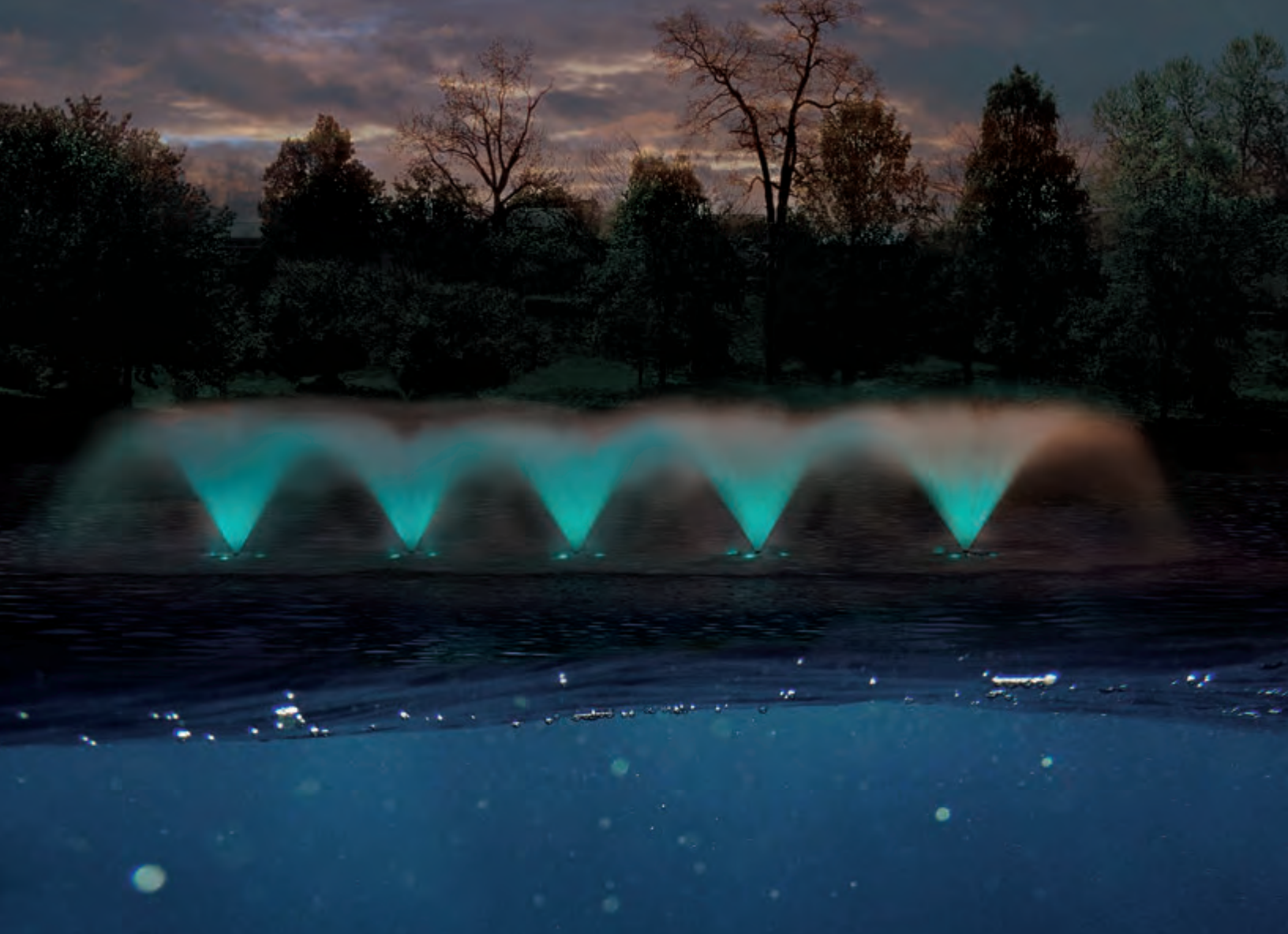
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