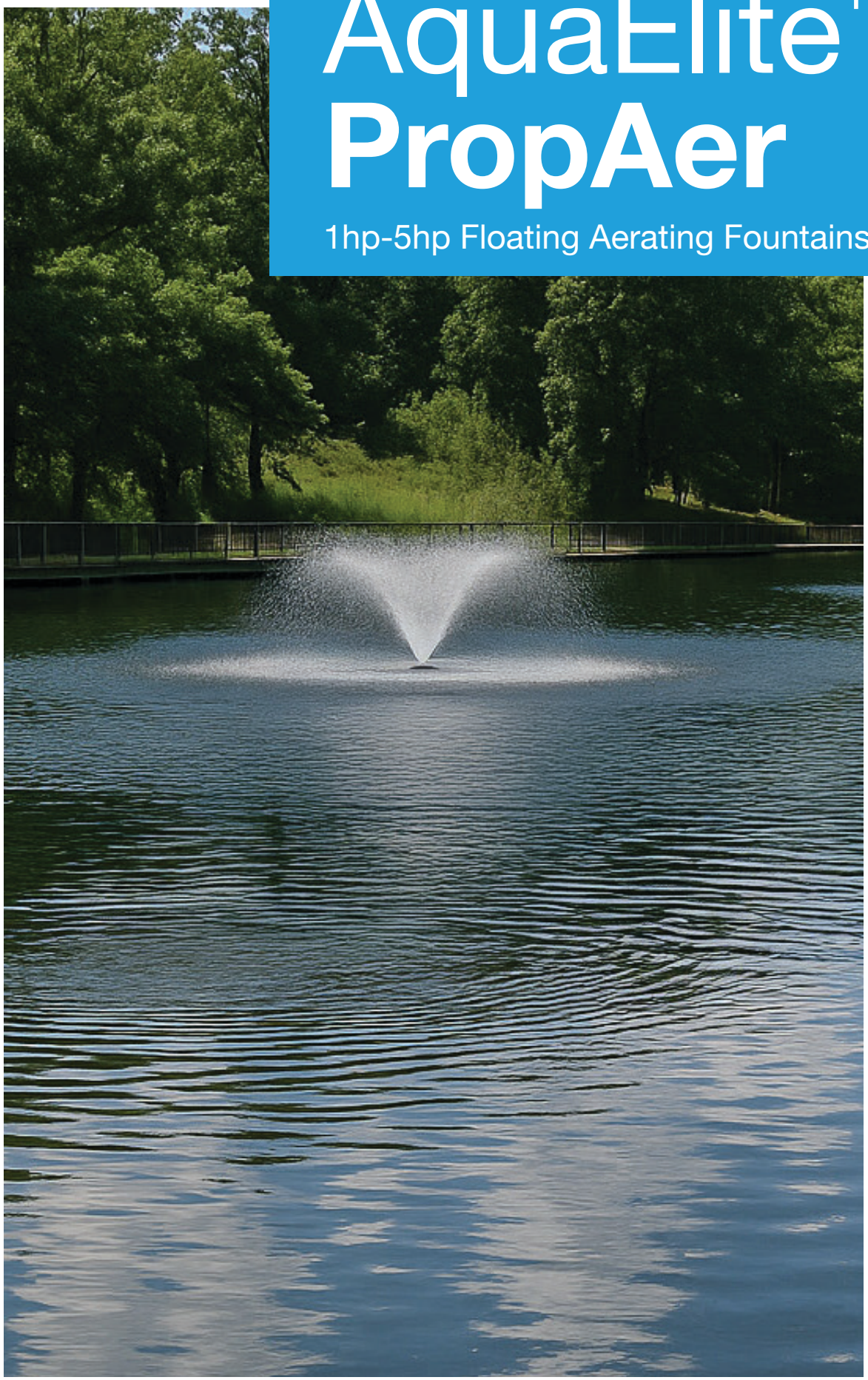
AquaElite™ PropAer

1hp-5hp Floating Aerating Fountains



PropAer at a Glance

How it Works

The AquaElite™ PropAer fountain line has four major components

Float

Constructed of rugged polyethylene molded plastic with UV inhibitors and filled with non-hygroscopic pressure molded polystyrene foam.

Electrical Service Cable Assembly

12/4, 10/4, 8/4, or 6/4 submersible cable and a submersible splice connector.

Power Drive Assembly

Mounting structure (drive structure assembly), pump/ propeller, nozzle and motor. AquaElite™ PropAer exclusively uses the Grundfos submersible motor on all fountain lines. The water cooled and lubricated motor is specifically designed for lake and pond fountain applications and is environmentally safe.

Propeller Pump Aerating Fountain

With our scientifically engineered foul resistant propeller, pumps a large volume of water into the air through a specifically designed nozzle. This causes a large column of water to shear into millions of micro droplets exposing more water to the atmosphere. As the aerated water returns to the parent body of water, surface turbulence is created in a 360 degree radius outward from the fountain increasing the interface of air to water, therefore transferring the atmospheric oxygen to the water.

Controls

The fountain's control system is housed in steel sheet-metal boxes designed to meet IP66 standards and NEMA ratings 1, 2, 4, 4X, 12, and 13. Each box is secured with a quarter-turn latch to protect internal components from harsh environments. Inside, American-made Square D components ensure long-lasting, reliable operation.

Propeller Pump Units	
Standard Oxygen Transfer Rate	
1 hp	2.8lbs/02/hr
2 hp	3.2lbs/02/hr
3 hp	4.2lbs/02/hr
5 hp	4.9lbs/02/hr

A digital timer controls the fountain's on/off cycles, and lighting is managed by a photo eye sensor.

Important: Fountain lights must remain fully submerged during operation. Operating lights while exposed to air can cause them to overheat, leading to rapid burnout or even explosion. Always ensure the fixtures are underwater when the lighting system is activated.

Spray Patterns

Propeller				
Part No.	PF12301	PF22301	PF32301	PF52301
HP	1	2	3	5
Volts/Phase	230/1 or 3	230/1 or 3	230/1 or 3	230/1 or 3
AVG. HT. (ft)	8	8	9	11
AVG. DIA. (ft)	25	25	30	35
GPM	1000	1200	1400	1400

Features

- No seals or bearing to maintain.
- High speed, foul resistant propellers or impellers, provide high shear water spraying action. No lazy sprays, bubbles, or slow boil of water.
- One piece square flotation for stability to minimize any oscillation.
- 4 year Limited Warranty.

36" Float

Includes stainless steel debris cage

Optional Equipment

Underwater LED Lights

RGB Version

White Version

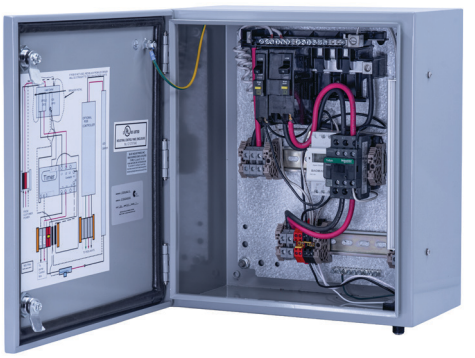
These underwater lights deliver brilliant, energy-efficient illumination for ponds, fountains, docks, and more. Built with durable stainless steel and rated IP68 waterproof, they feature vibrant lighting options (including RGB control) and an easy-to-mount design system — perfect for any underwater application.

Bulgin Power Connector

Designed for durability, these connectors are water and dustproof (IP66, IP68, IP69K) when mated properly. They feature a 30° push-twist tamperproof lock to ensure maximum protection.

Cable Selections

Selecting the correct cable size is essential to ensure optimal performance and safety of your fountain system. The control box shown plays a critical role in protecting and operating your motor by regulating voltage and current The tables below outline the maximum allowable cable lengths for different motor ratings and voltages.



Single phase, three wire w/ground cable, 60HZ
(Maximum length in feet - service entrance to fountain)

Motor Rating		Copper Wire Size			Max Amperage
Volts	HP	12awg	10awg	8awg	-
230	1	400	*	*	10.4
230	2	250	400	*	13.2
230	3	150	300	400	17.0
230	5	0	150	250	27.5

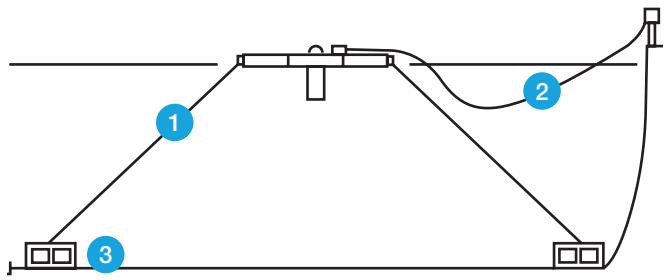
Three phase, three wire w/ground cable, 60 HZ
(Maximum length in feet - service entrance to fountain)

Motor Rating		Copper Wire Size			Max Amperage
Volts	HP	12awg	10awg	8awg	-
230	1	400	*	*	4.7
230	2	400	*	*	8.1
230	3	400	*	*	10.9
230	5	250	400	*	17.8

Suggested Mooring

Use approximately three feet of mooring rope per foot of water depth to allow for water level fluctuation. Tying unit to the shore is also acceptable if visible mooring ropes are not objectionable

1. 1/4" Polyethylene rope supplied by others
2. Power cord
3. Cement block anchor (8x8x16 with holes)



Suggested Electrical

Our equipment is manufactured either to UL, CSA, or NEMA standards. All wiring shall be per NEC,CEC, or local electric codes.

1. Power building
2. Direct burial cable to outlet/receptacle per NEC or local code
3. CCA treated 4"x4" or 4"x6" post for each ProperAer unit
4. ProperAer unit
5. Post
6. Outlet/receptacle
7. Power Cable or PropAer unit