



## Pond Fountains

We at U.S. Solar Mounts thank you for your purchase. It is our goal to ensure that you are completely satisfied with your new Fountain and that it continues to operate smoothly for many years to come. Please take a few moments to read through this document for proper assembly, installation and maintenance to maximize the operating life of the unit.



### This Kit Includes

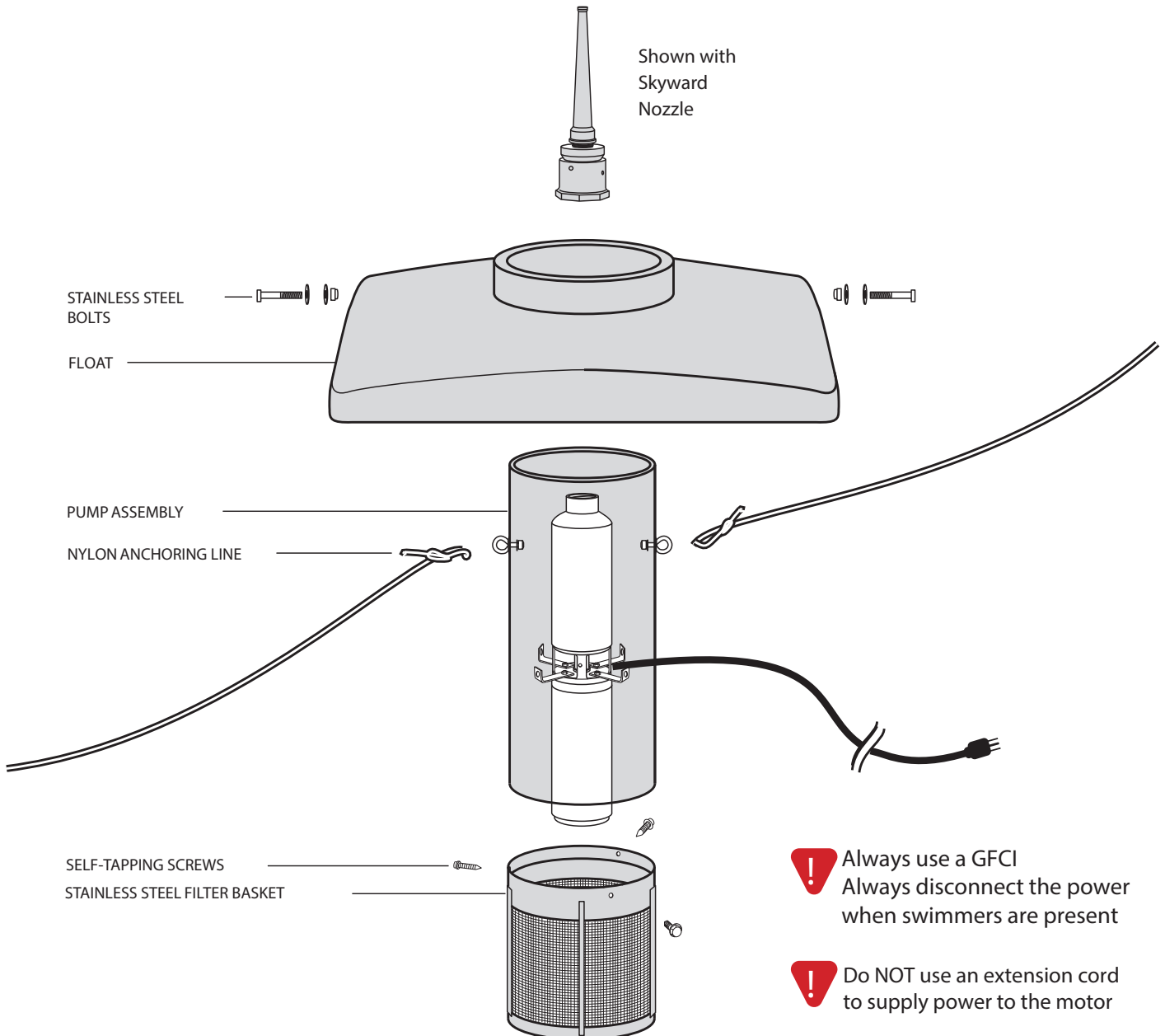
- 1 - FLOAT PLATFORM
- 1 - PUMP ASSEMBLY
- 1 - STAINLESS STEEL FILTER
- 2 - 5/16"x2" STAINLESS STEEL BOLTS
- 2 - STAINLESS STEEL NUTS & WASHERS
- 3 - SELF TAPPING STAINLESS STEEL SCREWS

### Tools Needed

- ONE 3/8" WRENCH OR SOCKET DRIVER
- TWO 1/2" WRENCHES (OR PLIERS)

## Assembly Instructions

1. Begin by placing the fountain housing on a solid surface, with the pump discharge opening facing up.
2. Tie nylon rope (not included) to the two stainless steel eyebolts. These will be the anchoring lines for the fountain.
3. Next, put the float in place and secure with the two 5/16" x 2" bolts, washers and nuts included.
4. Now, turn the fountain upside down, remove the styrofoam doughnut, and place the stainless steel filter in place. Be sure to line up the pre-drilled holes on the fountain with the position marks on the filter. Attach the filter with the three self-tapping screws provided.
5. At this point, the fountain is ready to be placed in the water for final preparation and anchoring. Care should be used when handling the fountain, **it is very important that the weight of the fountain not be placed upon the stainless steel filter.**
6. Once your fountain is in the water, attach the fountain head by screwing it into place.
7. Float the fountain to the desired position and secure the attached nylon ropes to shore, or use 2 concrete blocks submerged at least 20 feet apart.
8. The final step is to supply electric power to your fountain, taking extra care to **always use a ground fault circuit interrupter and a licensed electrical contractor.**



## Maintaining your Pond Fountain

Most of our products require very little to any maintenance. Under normal operating conditions, you should enjoy many years of trouble free service from the unit.

Anchoring ropes, depending on type, will deteriorate over time. These should be replaced every five years if quality nylon rope (3/8" or thicker) is utilized. When the unit is removed from the water to replace anchoring ropes, it would be a good opportunity to wash the fountain down with high pressure water. After cleaning, a visual inspection of the entire fountain is recommended to be certain nothing is restricting water flow. These fountains have been engineered to eliminate the need for time consuming and costly winterizing products and procedures.

**Removing the Fountain from the water each winter will dry out and potentially damage the pump seals.** Simply leave your fountain in the water, turn the power supply off, and forget about it for the winter. Once the water thaws in the spring, re-establish power to the unit and you're good to go. All of the components will withstand sub-zero conditions without damage.

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### Call 1-800-928-3745 to order replacement parts

FLOAT PLATFORM .....	PART # 20037
SS MOTOR MOUNTING BRACKET .....	PART # 20115
MOTOR HOUSING .....	PART # 20034
STAINLESS STEEL FILTER .....	PART # 13500
1/2 HP 115V MOTOR .....	PART # 20000
1/2 HP 230V MOTOR .....	PART # 20002
1-1/2 HP 230V MOTOR .....	PART # 20001
1/2 HP PUMP .....	PART # 13502
1-1/2 HP PUMP .....	PART # 13503

To find the cost to run one item:

1. Total up the watts per day for the item to get total watts/day.
2. Divide total watts/day by 1000 to get the total kilowatt hours (kWh)/day.
3. Multiply the kWh/day times the cost/Kwh to get the average cost/day.
4. To find out the average cost per month, multiply the cost/day by 30. (Power company monthly billing cycles vary from 28-33 days)

MOTOR RATING	WATTS	AMPS	MIN ANCHOR WT (ea)	POWER CORD* 12 GAUGE	CABLE SIZE and MAX LENGTH FROM PUMP TO BREAKER*					
					#12	#10	#8	#6	#4	#2
1/2 HP 115V	670	10	25 lbs	70'	160'	250'	390'	620'	960'	1460'
1/2 HP 230V	670	5	25 lbs	70'	650'	1020'	1610'	2510'	3880'	5880'
1-1/2 HP 230 V	1770	10.6	45 lbs	100'	310'	480'	770'	1200'	1870'	2850'

\*Longer power cords available

Refer to the chart above to determine the proper cable size and length for your particular pump. The maximum lengths listed are from the pump motor to the circuit breaker, not to the plug in. Improper wire size can cause unsafe operating conditions and damage the pump. **DO NOT use an extension cord to supply power to the motor** as this will put strain on and shorten the life of the pump motor.

## Options and Accessories

### Timers

Save energy while extending the life of your fountain! Timers available for 115v and 230V motors. The Timing Center by Intermatic contains two timers in one steel outdoor enclosure.



115V Timer  
Part #20036



230V Timer  
Part #20039



Timing Center  
Part #20040

### Lighting

There is nothing more majestic than viewing your fountain or aerator at night under lights. Light kits are easy-to-install and available in heavy duty, shock resistant, water cooled 120 watt par 38 Halogen floodlights or LED. GFCI required, please disconnect power when swimmers are present. Light kits can be added to your existing fountain on site as well.



2 Light Kit  
Halogen Part #13505  
LED Part #13605



4 Light Kit  
Halogen Part #13509  
LED Part #13609



Colored Lens  
Part #13508  
Specify Color