

# SolarPRO™ CURVE OWNER'S MANUAL

ENGLISH

## IMPORTANT SAFETY RULES

Read all instructions BEFORE assembling and using  
this product. KEEP THIS MANUAL.



## IMPORTANT DO NOT RETURN PRODUCT TO STORE

For technical assistance and missing parts, call or email Customer Service

**1.888.339.2546** (Extension 135)

**products@game-group.com**

Monday through Thursday, 8:00 am to 5:00 pm MST

Friday, 8:00 am to 2:00 pm MST

If replacement parts are needed please visit [Amazon.com/GAMELLC](https://www.amazon.com/GAMELLC)

**GAME**

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## **IMPORTANT**

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**Approved for use with any filter pump up to a maximum of 1.5 HP.  
Use of any other type of pump will void the warranty.**

**A GAME bypass kit is required (sold separately) for filter pumps greater than 1.5 HP or when multiple SolarPRO units are connected to a single filter pump.**

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**For further information regarding the installation of multiple SolarPRO units or for replacements parts, please contact GAME Customer Service, a local swimming pool specialist, or visit [www.Amazon.com/GAMELLC](http://www.Amazon.com/GAMELLC) (replacement parts only).**

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**YOUR SOLARPRO CURVE HAS BEEN ENGINEERED AND MANUFACTURED TO OUR HIGHEST STANDARD FOR DEPENDABILITY, EASE OF OPERATION AND SAFETY. THANK YOU FOR YOUR PURCHASE.**

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**READ ALL INSTRUCTIONS BEFORE ASSEMBLING AND USING THIS PRODUCT.**

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## 1. SAFETY WARNINGS

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### READ ALL WARNINGS BELOW.

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- Carefully read and adhere to all CAUTION and NOTE notices located throughout this manual. Failure to comply with these instructions can cause serious injury, death, or damage to the unit.
- Do NOT allow children to operate this product.
- Always turn the filter system to a setting that does not allow flow to the pool return when installing or working on the SolarPRO.
- Install product away from the pool to prevent children from using the SolarPRO as a way to access the pool.
- NEVER service this unit with the pool pump running.
- Do not use any petroleum based lubricant. Only use pool and spa silicon based lubricant on this product.

**THESE CAUTION WARNINGS ARE NOT INTENDED TO INCORPORATE ALL POSSIBLE INSTANCES FOR RISK AND/OR SEVERE INJURY. THE POOL OWNER SHOULD ALWAYS EXERCISE CAUTION WHEN UTILIZING THEIR SWIMMING POOL AND OPERATING EQUIPMENT.**

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## 2. GENERAL INFORMATION

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This manual provides important information relating to the installation, maintenance, and use of the SolarPRO unit.

The installation instructions assume the SolarPRO unit is for use on an already filled, above ground pool that has the following:

1. A pump-oriented water filtration system.
2. The necessary hoses to feed water from the pool into the water filtration system and from the water filtration system to the pool.

### How It Works

When properly installed, the SolarPRO will be connected to your filter and your pool by two hose connections: One hose will feed cold, filtered pool water from your pump into one port of the SolarPRO. The other hose will feed sun warmed water from the other port of the SolarPRO to your pool via the pool return inlet in your pool. As cold water is fed into the SolarPRO, it travels through the solar coils where it is heated by the sun before it is delivered back into your swimming pool.

### Unpacking Your SolarPRO

Carefully remove the product and all component parts from the box. Make certain all parts are present before beginning assembly (see Section 2, Parts List/Reference).

### Tools & Equipment Required

The following items are not included with your new SolarPRO, but will be required for proper installation and operation:

- #2 Phillips screwdriver
- 1/4" Flat head screwdriver
- Silicone based lubricant

### Know Your Pool

Before you begin installation it is a good idea to know certain specifications about your pool:

The water volume (in gallons) of the pool.

What size hose does it use? (i.e. 32mm, 38mm or 40mm)

What kind of hose connection does your pool use? (i.e. threaded/unthreaded)

What location will position the SolarPRO for maximum sun exposure?

### SolarPRO Location

Your SolarPRO needs to be located on a hard level surface. You will need to position the SolarPRO lower than the pool's water level and at a safe distance away from the pool (see Section 1, Safety Warnings).

- The unit(s) should never be placed on the roof of any structure, or above the water level of the pool.
- The unit(s) should be angled toward the sun using the legs provided. Do not exceed the angle the legs produces, or 30 degrees from horizontal in any direction.

**NOTE: The SolarPRO is to be installed between the filter and the pool water inlet, AFTER the water is filtered. The SolarPRO must come after the filter to prevent buildup in the tubing.**

**IMPORTANT: If you are using a chlorine generator OR an in line chlorinator, it must be connected in-line following the SolarPRO to prevent damage.**

**CAUTION: BEFORE LOOSENING ANY THREADED CONNECTIONS ON YOUR FILTER, PUMP OR POOL, BE SURE THE SUCTION AND PRESSURE HOSES ON THE FILTER ARE CLOSED OR BLOCKED TO PREVENT WATER FLOW.**

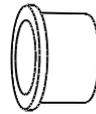
**IMPORTANT: To reduce heat loss, use a pool cover on your pool overnight.**

### 3. PARTS LIST/REFERENCE

Main Unit (1)



32mm to 38 mm Hose Reducer (2)



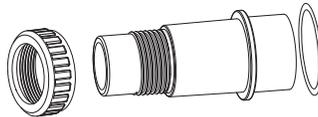
Hose Clamp (2)



Flat Gasket (2)



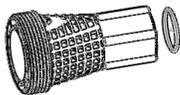
Collar and Hose Adapter\*  
32mm-38mm



Filter Hose (2) with O-Ring (2)

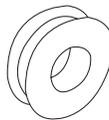


40mm Adapter with O-Ring (2)\*\*

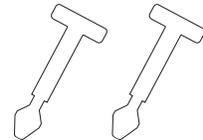


*Only used with 40mm threaded hoses*

Teflon Tape (1)



Leg Retention Bolt (2)



**Note: Some parts may be pre-installed at the factory. Parts not shown to scale.**

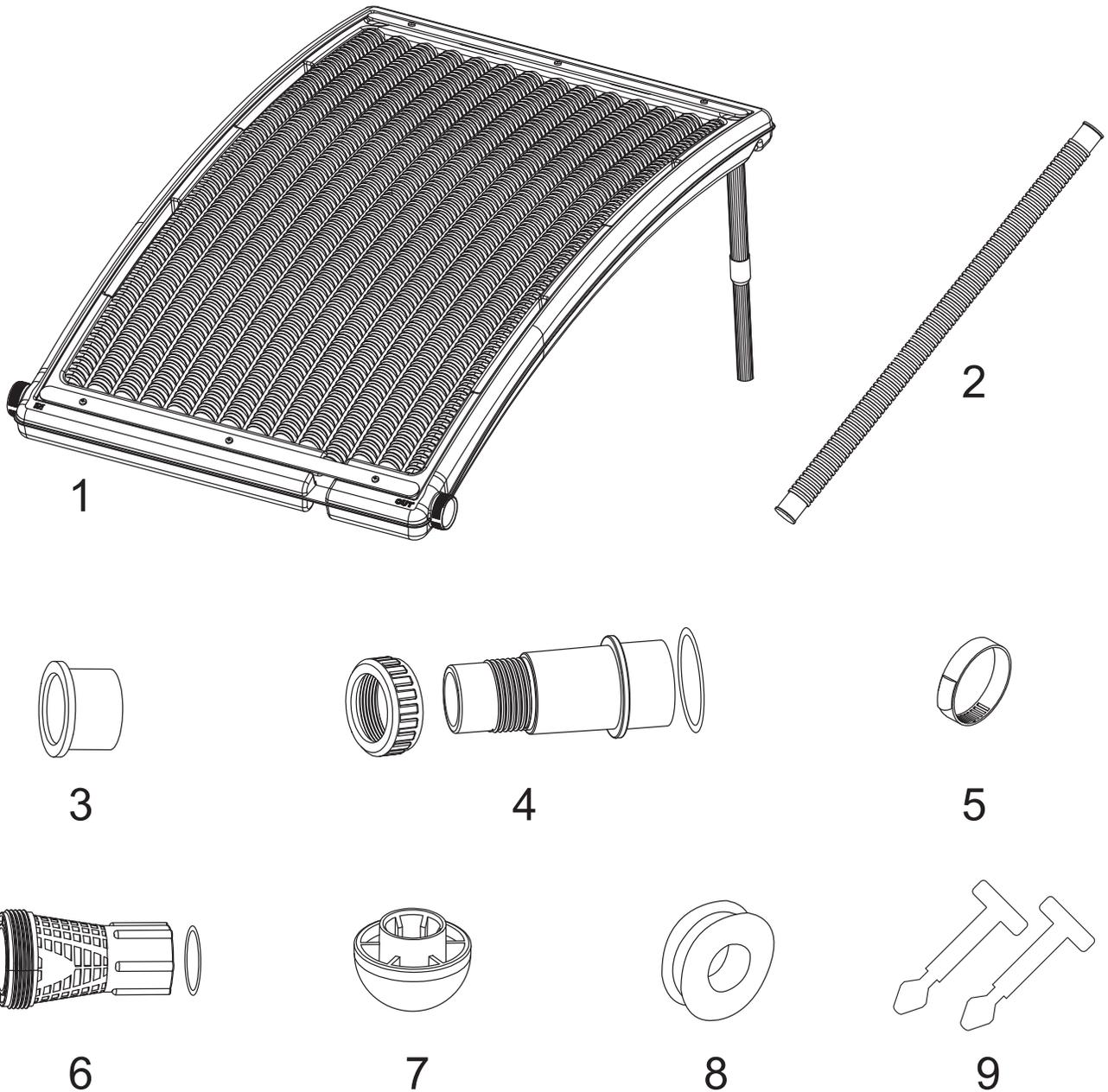
\*Compatible with most Bestway pools.

\*\*Compatible with most Intex pools.

## EXPLODED PARTS DIAGRAM

Key Name	Qty	Item Number
1 SolarPRO Main Unit with Legs	1	4K9010
2 38mm Filter Hose	2	4K9023
3 32mm-38mm Hose Reducer	2	41018
4 Collar and 32mm-38mm Hose Adapter with O-Ring	2	41018
5 38mm Stainless Steel Hose Clamp	2	4K9023
6 Adapter with O-Ring with Flat Gasket 40mm diameter	2	41018
7 Foot	2	4S1080
8 Teflon Tape (Roll)	1	N/A
9 Leg Retention Bolt	2	8200-0

Note: Some parts may be pre-installed at the factory.  
Parts not shown to scale.

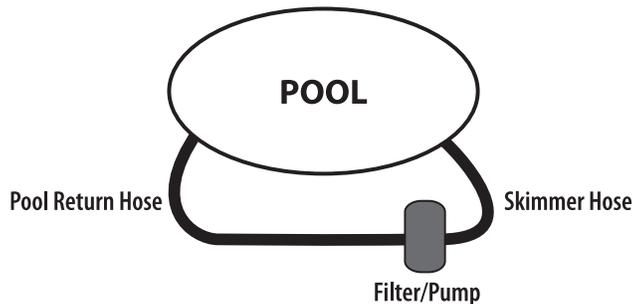


## 4. INSTALLATION INSTRUCTIONS

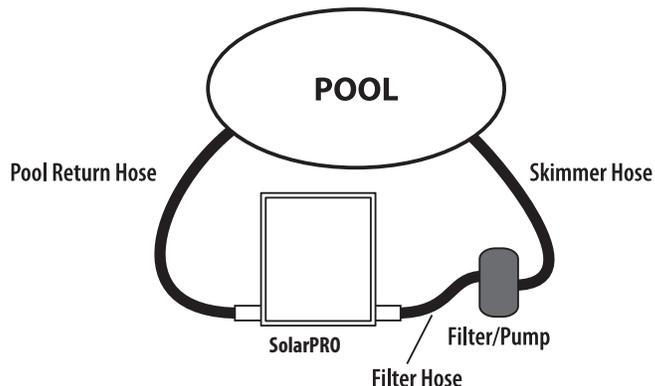
### SolarPRO – Filter – Pool Layout

The system layouts below will help you install the SolarPRO to your above ground pool.

#### BEFORE INSTALLING SolarPRO



#### AFTER INSTALLING SolarPRO



**NOTE:** Not shown to scale

NOTE: All instructions assume the pool and water filtration system are assembled.

#### 1. SolarPRO Placement

Place the SolarPRO unit at least 10 feet away from the pool and in a location where it will receive the greatest amount of sunlight.

Extend the legs, install leg retention bolts on the underside of the SolarPRO and angle in the direction of the sun's natural path. See figure 1.

#### 2. SolarPRO - Filter Pump Connection

- Turn off filter pump.
- Block water flow at both the pool return inlet and the filter pump outlet to prevent water from flowing through the hoses.
- Detach the pool return hose from your filter system and set aside.
- Depending on the orientation of your pump setup and desired SolarPRO placement, choose one side to be the inlet and the other to be the outlet. Disregard the "IN" and "OUT" markings if present, either port can be used.
- Locate filter hose and attach between pump (the port where the pool return hose was previously connected) and the inlet using the included hose clamps.

**NOTE:** Depending on the size of your hose, the 32mm-38mm reducer may be needed. Insert the reducer inside of the filter hose and attach using hose clamp. Apply a small amount of silicon based lubricant to the outside of the reducer to allow an easy fit.

**IMPORTANT:** Never move, drag, or relocate the SolarPRO unit when it is filled with water. Doing so can cause the legs to break. Always empty the unit of all water prior to moving or relocating.

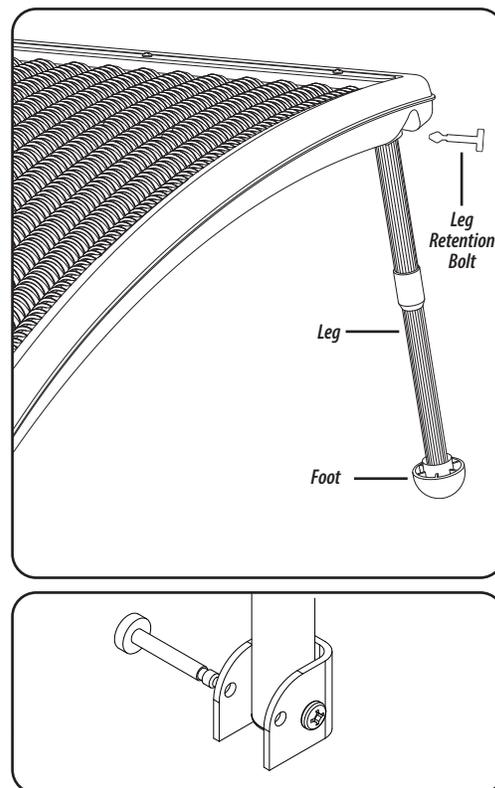
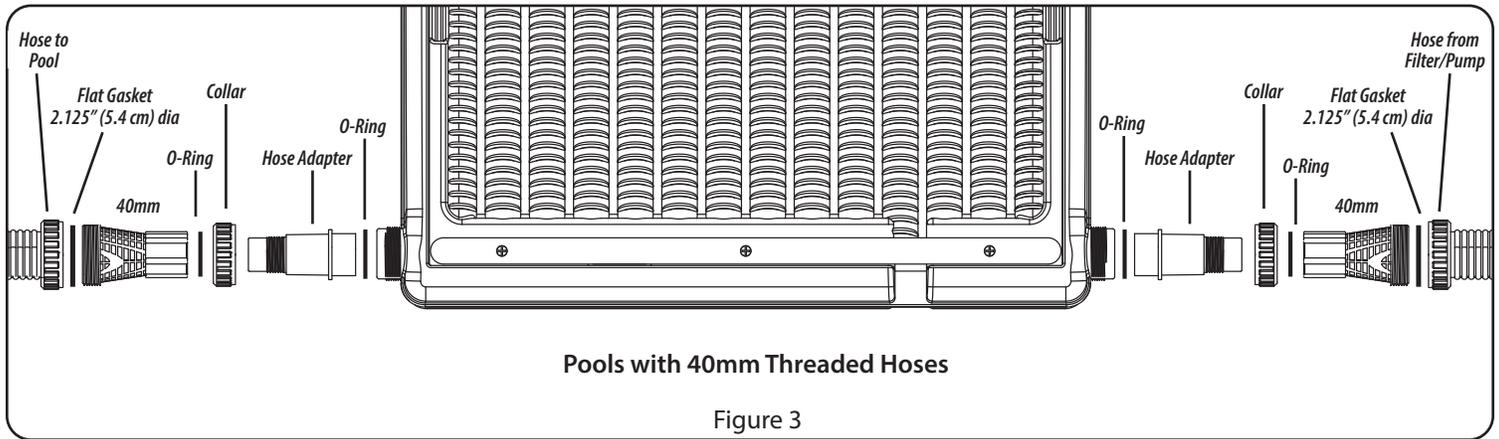
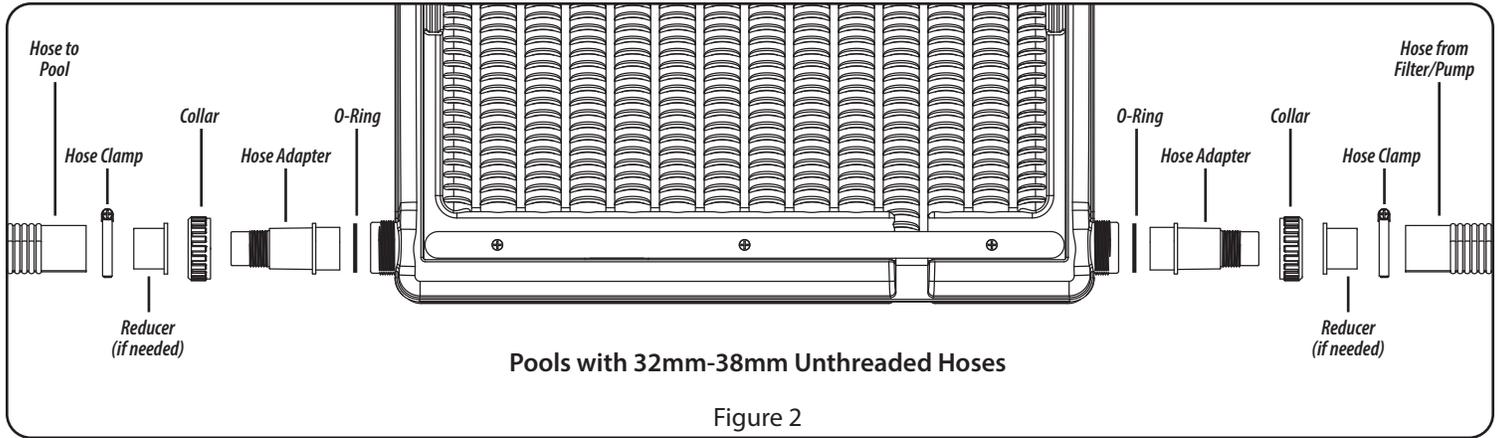


Figure 1



### 3. SolarPRO – Pool Connections

**NOTE: If your pool is plumbed with heavy-duty, reinforced flex hose, contact your local pool retailer or visit [www.amazon.com/GAMELLC](http://www.amazon.com/GAMELLC) for an available GAME adapter kit (item 4553).**

#### A) Pools with 32mm-38mm Diameter Unthreaded Hoses

Connect the hose adapter into the SolarPRO port. Secure with the collar. Attach the filter hose and secure with a hose clamp. Repeat on the other side of the SolarPRO, connecting the return hose to the pool. Use Teflon Tape on all threaded connections. See figure 2.

OR

#### B) Pools with 40mm Diameter Threaded Hoses

Connect the hose adapter into the SolarPRO port. Secure with the collar. Attach the 40mm adapter (use flat gasket as shown if needed) to the SolarPRO port. Be sure the O-ring is in the adapter before attaching. Attach the filter hose and secure with a hose clamp. Repeat on the other side of the SolarPRO, connecting the return hose to the pool. Use Teflon Tape on all threaded connections. See figure 3.

**NOTE: If the location of the SolarPRO unit is further away from the pool than the current hose(s) length will allow, longer hose(s) are required.**

**CAUTION: ENSURE ALL HOSE CONNECTIONS ARE TIGHT AND THE HOSES ARE NOT KINKED OR BENT AT SEVERE ANGLES. IF THE HOSES ARE LEAKING, CHECK TO MAKE SURE ALL OF THE PARTS THAT HAVE O-RINGS HAVE THEM ATTACHED AND ARE SCREWED ON TIGHTLY, AND HAVE TEFLON TAPE APPLIED TO THE THE THREADS.**

## 4. INITIAL OPERATION

Once the SolarPRO has been assembled and the hoses are connected to the filter pump and pool return, unblock the flow of water into the pool return hose and turn on the pump and filter system. Bubbles will shoot out of the return nozzle into the pool initially while air is pushed out of the SolarPRO. If this persists for longer than 2 or 3 minutes, check for and repair any leaks in the hoses or connections.

**FOR BEST RESULTS: To reduce heat loss, use a pool cover on your pool overnight, run your filter system during 12:00pm-6:00pm and cover the pool at night.**

## 5. MAINTENANCE

The SolarPRO should not require servicing or maintenance other than winterizing. Prior to the first frost, or at the end of your swim season, the SolarPRO should be removed from its connections to the pool and stored in a frost free location.

### Winterizing

Drain all the water from the SolarPRO by disconnecting the tubes. Store in a location protected from frost. Reconnect the pool return hose to the pool return.

**CAUTION: DO NOT ALLOW STANDING WATER INSIDE THE SOLARPRO TO FREEZE. WATER EXPANDS AS IT FREEZES AND CAN RUPTURE THE SOLAR COILS ON THE SOLARPRO.**

## 6. TROUBLESHOOTING

Problem	Possibilities/Solutions
Does not appear to be heating the pool.	<ul style="list-style-type: none"><li>• Check to make sure that water is flowing through the hoses. Check the flow strength at the pool inlet.</li><li>• Has it been sunny?</li><li>• Put your pool cover on at night to prevent heat loss.</li><li>• If pool water volume is greater than 10,000 gallons, additional SolarPRO units are required.</li><li>• If using a bypass kit, check and adjust flow restrictions if necessary.</li></ul>
No initial bubbling after SolarPRO is connected and pump is on.	<ul style="list-style-type: none"><li>• Check the setting of the filter to make sure it is returning water to the pool through the pool water inlet.</li><li>• Check that water is flowing through the system.</li></ul>
Bubbles continue to flow out of the pool water inlet well after the pump has been turned on.	<ul style="list-style-type: none"><li>• Check the connections for a suction leak.</li><li>• Check to make sure the flow rate is normal.</li><li>• There could be a rupture or break in one or more of the hoses.</li><li>• There could be a blockage in one or more of the hoses. If possible, remove the blockage.</li></ul>
Leaking SolarPRO	<ul style="list-style-type: none"><li>• Check the connector seals and replace or repair if defective.</li></ul>
High filter pressure	<ul style="list-style-type: none"><li>• Flow through SolarPRO may be too high. A bypass kit may be needed.</li><li>• Filter may need backwashing or filter medium change.</li><li>• Pool system valves may need adjusting.</li><li>• Water return outlet may be blocked.</li></ul>

## 7. LIMITED WARRANTY STATEMENT

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The manufacturer warranties safe operation and reliability only under the following conditions:

- The SolarPRO is installed and operated according to the assembly and operating instructions.
- Only original replacement parts are used.
- Consumable parts do NOT fall under the warranty.

### General Terms

This Limited Warranty applies to the enclosed product (the "Product") distributed by Great American Duck Races, Inc., an Arizona corporation (doing business as Great American Merchandise and Events) ("GAME").

GAME warrants that the Product will be free from defects in materials and workmanship under normal use for a period of ninety (90) days from the date of purchase. (Your dated sales or delivery receipt, showing the date of your Product purchase, is your proof of the purchase date.) During the warranty period, GAME will repair or replace any defective parts at no charge.

All defective parts that are replaced by GAME will be replaced, at GAME's discretion, with either new parts or used parts that meet or exceed performance specifications for new parts. All parts removed from the Product under this warranty will become the property of GAME. Repair or replacement of any parts will not serve to extend the ninety (90) day warranty period.

This Limited Warranty does not apply to expendable parts. This Limited Warranty does not extend to any product (a) from which the serial number has been removed or (b) that has been damaged or rendered defective (i) as a result of accident, misuse, abuse or other external causes; (ii) by operation outside the usage parameters stated in the Instruction Sheet that shipped with the Product; (iii) by the use of parts not manufactured or sold by GAME; or (iv) by modification or service by anyone other than GAME or an authorized GAME distributor.

If a defect is identified within the warranty period, please contact GAME.

**EXCEPT FOR THE LIMITED WARRANTY SET FORTH ABOVE, GAME EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, ORAL OR STATUTORY (INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE). ANY IMPLIED WARRANTIES THAT MAY BE IMPOSED BY LAW ARE LIMITED TO THE TERMS OF THE ABOVE LIMITED WARRANTY.**

### Limitation of Liability

**EXCEPT FOR THE LIMITED WARRANTY DESCRIBED ABOVE, IN NO EVENT WILL GAME HAVE ANY LIABILITY OF ANY KIND WHATSOEVER (WHETHER UNDER CONTRACT, TORT, OR ANY OTHER THEORY OF LEGAL LIABILITY) TO ANY PERSON WITH RESPECT TO THE PRODUCT (INCLUDING, WITHOUT LIMITATION, (A) ANY USE OR MISUSE OF THE PRODUCT, (B) ANY FAILURE OR MALFUNCTION OF THE PRODUCT, (C) ANY BODILY INJURY, DEATH, LOSS OF OR DAMAGE TO ANY PROPERTY, OR ANY OTHER DAMAGES RELATED TO OR RESULTING FROM THE PRODUCT OR ITS USE (INCLUDING, WITHOUT LIMITATION, ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES, LOST PROFITS, LOSS OF USE), EVEN IF GAME OR GAME'S AUTHORIZED REPRESENTATIVES HAVE BEEN ADVISED OF THE POSSIBILITY OF ANY SUCH DAMAGES.**

**TO OBTAIN WARRANTY SERVICE, PLEASE CALL, WRITE, OR EMAIL US DIRECTLY AT THE ADDRESS SHOWN BELOW.**

**THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.**

### Severability

Any provision of this Limited Warranty which is prohibited or unenforceable in any jurisdiction will, as to such jurisdiction, be ineffective to the extent of such prohibition or unenforceability without invalidating the remaining portions hereof or affecting the validity or enforceability of such provision in any other jurisdiction.

### Venue and Choice of Law

This Limited Warranty is applicable in all countries. This Limited Warranty will be governed by the laws of the State of Arizona (regardless of any conflict of laws rules), and any disputes arising from this Limited Warranty will be resolved in Phoenix, Arizona.

### Entire Agreement

This Limited Warranty is understood to be the complete and exclusive agreement between GAME and the purchaser of the Product, superseding all prior agreements, oral or written, and all other communications between such parties relating to the Product. No employee or representative of GAME or any other party is authorized to make any warranty in addition to the limited warranty set forth above.

**To obtain warranty service, please call, write, or email us directly at the address shown below.**

**This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.**

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