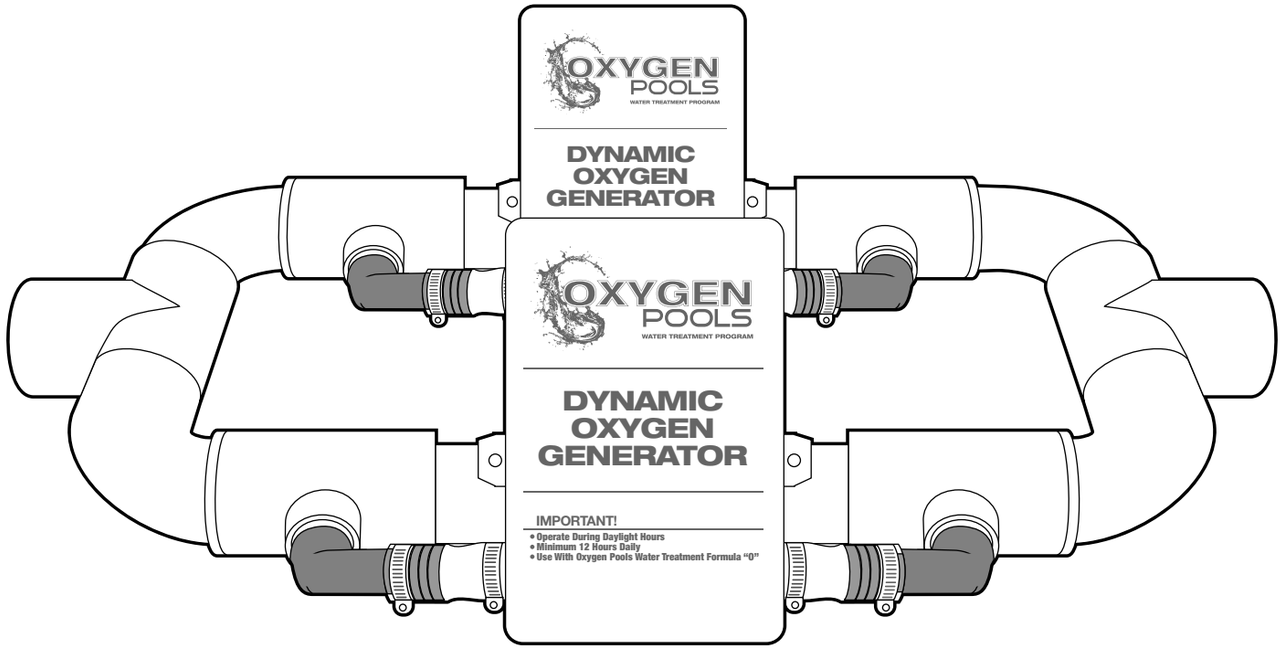
OXYGEN POOLS

WATER TREATMENT PROGRAM

DYNAMIC OXYGEN GENERATOR

For Outdoor Residential Pools up to 40,000 gallons



Installation and Operating Instructions

Model OXY40A-BV

LIT 0051-BV

SAFETY INSTRUCTIONS

⚠ READ AND FOLLOW ALL INSTRUCTIONS

⚠ **WARNING** – Risk of Electric Shock. Connect only to a circuit protected by a ground-fault circuit-interrupter (GFCI). Contact a qualified electrician if you cannot verify that the circuit is protected by a GFCI.

⚠ The unit must be connected only to a supply circuit that is protected by a ground-fault circuit-interrupter (GFCI). Such a GFCI should be tested on a routine basis. To test the GFCI, push the test button. The GFCI should interrupt power. Push the reset button. Power should be restored. If the GFCI fails to operate in this manner, the GFCI is defective.

⚠ **WARNING -** Follow all NEC Codes and Local Codes when installing this product.

⚠ **WARNING -** To reduce the risk of injury, do not permit children to use this product unless they are closely supervised at all times.

⚠ **CAUTION** - This product should be installed by a professional service technician or similar person who is qualified in electrical equipment installation. Improper installation and/or operation could cause serious personal injury, property damage or death. Improper installation and/or operation will void the warranty.

⚠ **WARNING** - ELECTRIC SHOCK - Disconnect all AC power during installation or performing any service work.

⚠ **CAUTION** - Do not use system if cord is damaged or frayed.

⚠ **CAUTION** - This device is for use on outdoor residential swimming pools less then 40,000 gallons. Do not use this device for potable (drinking) water sanitization or for public pools.

⚠ **CAUTION** - This device is not designed for use with automatic pool covers or indoor pools

⚠ **CAUTION** - Install generator on the pipe supplying the wall returns. Do no install on pipes supplying water features (waterfalls, deck jets, slides, etc)

⚠ SAVE THESE INSTRUCTIONS

Specifications:
Max Pool Size: Pools up to 40,000 Gallons
Shipping Weight: 14 pounds
Connections: 1.5 in. pipe connections on manifold
Input Power: 120/240VAC 60Hz
Power Consumption: 8.3 Watt max.
Max Operating Pressure: 50 psi
Operating Flow Range: 20-100 GPM
Warranty: Three Year Limited Warranty

CLASSIFIED UL

Oxygen Pools
Ozone Generator

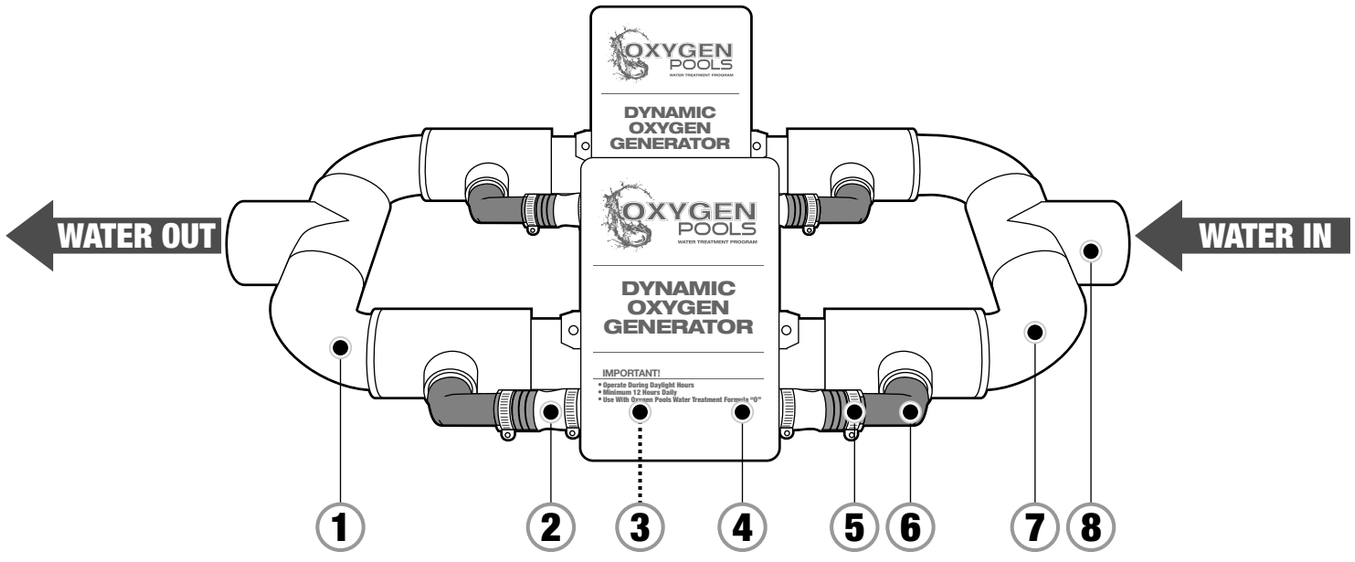
US ONLY 100V-240V
50/60Hz | 178/118mA

Canada ONLY 120V
60Hz | 118mA

UL File
E487569

Oxygen Pools, LLC
Boynton Beach FL 33426

COMPONENTS

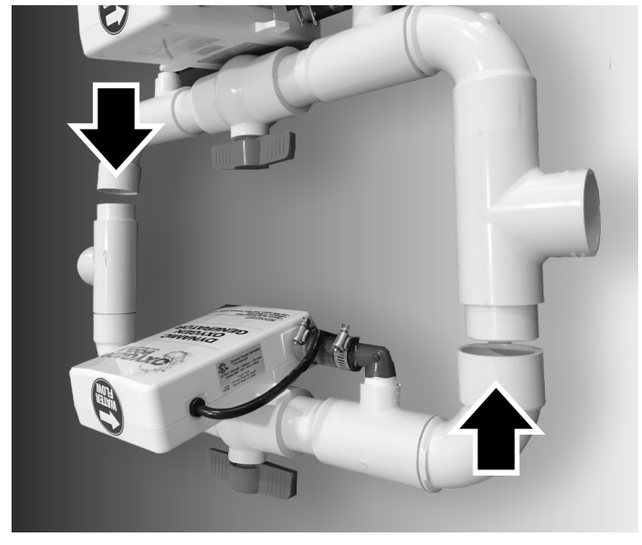


PARTS LIST

MAN20A	①	Manifold Complete (Without Generator)
MAN002-275	②	2.75 inch Clear Vinyl Hose
OXY20-111	③	Tubing / Check Valve Assembly (inside Oxygen Generator)
OXY20-010	④	Dynamic Oxygen Generator Complete (Without Manifold)
MAN008	⑤	1.25 inch Hose Clamp
MAN005	⑥	0.75 inch Barbed Elbow (Grey)
MAN010	⑦	1.5 INCH SWAP ELBOW
MAN020	⑧	8.5 INCH TEE 5X5X5

ASSEMBLY

- Assemble and glue as shown.
- Final glue position is shown.



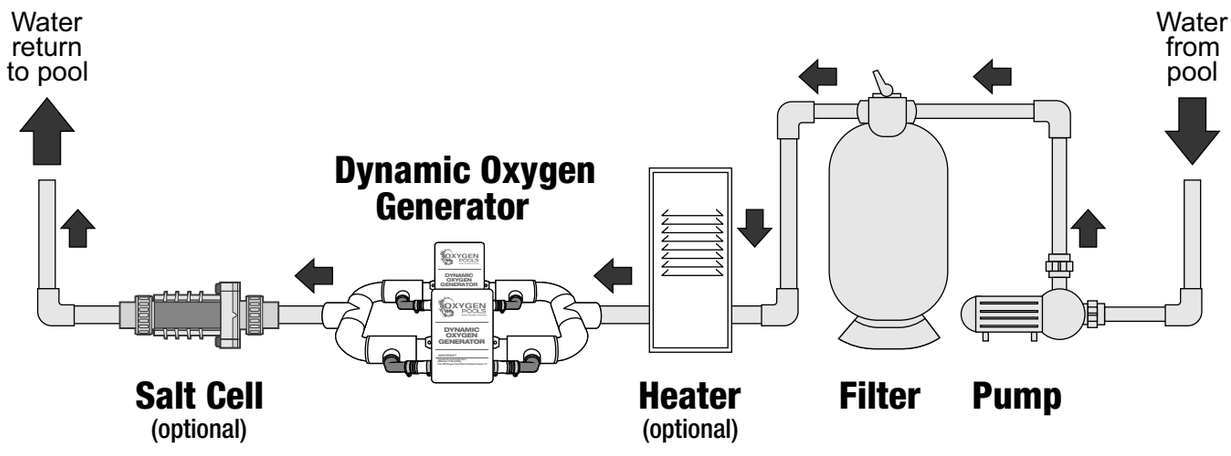
SYSTEM OVERVIEW

IMPORTANT:

- Do not use the Oxygen Pools System while using **biguanide products** in your pool. Biguanide products are not compatible with any other pool chemicals and must be removed from the water before starting any other water treatment program, including the Oxygen Pools Program.
- Do not use the Oxygen Pools System with indoor pools or automatic covers.
- Do not use the Oxygen Pools System with bromine based sanitizers.

- Chlorine and Salt Chlorine Generators are compatible with Oxygen Pools
- Ionizers and Mineral Systems may be used in an Oxygen Pool if copper levels are monitored

SCHEMATIC FOR RIGID PVC PIPE INSTALLATION



Important:
Do not install on plumbing that supplies water to pool features. (Waterfalls, deck jets, slides etc.) Oxygen Generator should be plumbed into return lines supplying water directly back to the pool returns.

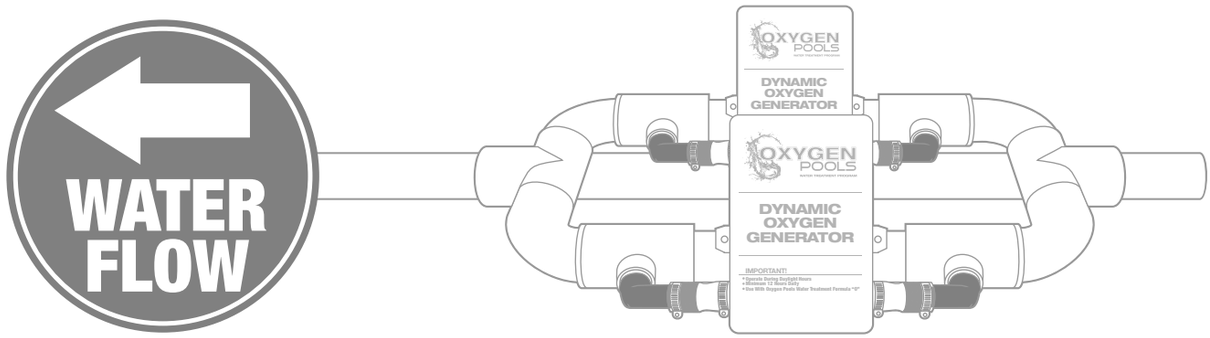
INSTALLATION FOR **PVC PIPE** ON POOLS WITH ANY TYPE FILTER

WARNING! DO NOT ATTEMPT INSTALLATION UNLESS ALL POWER TO POOL EQUIPMENT IS OFF

All rigid PVC installations are different so you may have different requirements for the installation than outlined below.
- Identify proper flow direction of the Oxygen Generator to ensure water is flowing in the same direction of arrow.
-Identify pipes running to pool wall returns. Generator should be installed on these pipes and not on pipes supplying water features (waterfalls, deck jets, slides, etc)
- Measure and cut PVC after pool equipment and before pool returns. Adding unions to the PVC connections could assist in removal for service or winterization (unions not included)

- Using PVC primer, coat the inside of the manifold and the outside of the PVC feeding into and out of the manifold.

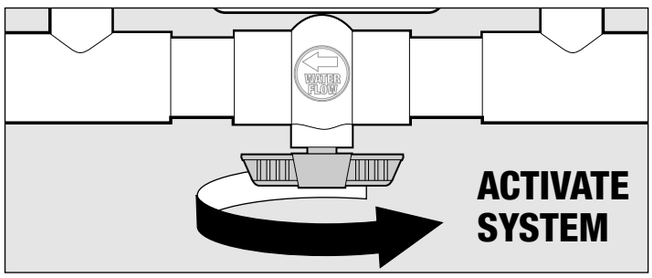
- Using PVC glue, coat the inside of the manifold and outside of PVC feeding into manifold. Push together while twisting to ensure proper connection between the pieces.

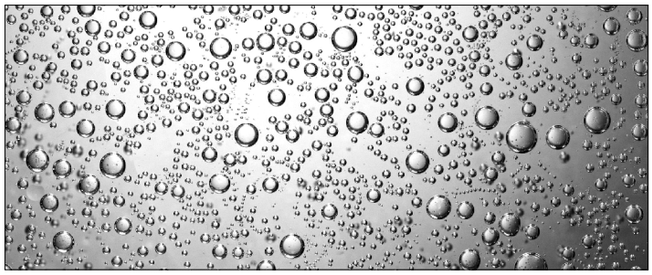


- Wait 10 minutes before continuing to insure glue has a chance to harden.
- Plug in and turn on pump.
- Plug in Oxygen Generator into GFCI outlet and check to make sure light on bottom of both generators is illuminated.

ACTIVATE SYSTEM

After installation and equipment is turned on, turn the handle of each ball valve slowly to divert water through the Dynamic Oxygen Generator.





Turn handle slowly until you hear a whooshing sound as water is diverted through the generator and bubbles begin entering the pool through the round return fitting.

Adjust each handle so both generators are adding equal amounts of small bubbles to the return line. Check clear tubing after the generator to verify the proper bubble size.

Smaller bubbles are best, so make small adjustments by turning the handle slightly to achieve the smallest bubbles possible.
As your filter gets dirty, you may need to adjust the valve if bubbles become very large or stop altogether.

OXYGEN POOLS
WATER TREATMENT PROGRAM

DYNAMIC OXYGEN GENERATOR

For Residential Pools up to 20,000 gallons

OPERATION

DAILY:

- Run pool equipment and oxygen generator a minimum of 12 hours daily, during daylight hours.
- Running the system longer will provide even better quality water. Running the system continuously will provide the highest quality water.

WEEKLY:

- Test for Peroxide, pH, TA and TH levels in pool water with the Oxygen Pools 4 in 1 Test Strips
- Add recommended dose of Formula “O” as directed on pail

MONTHLY:

- Bring water sample to dealer to test for:
  - pH
  - Total Alkalinity
  - Calcium Hardness
  - Copper

Treat water according to test results.

- Clean filter by backwashing or washing cartridge

ANNUALLY:

- Check clear vinyl tubing and clamps on manifold to see if replacement is needed due to discoloration and degradation.
- Check inside Dynamic Oxygen Generator to see if vinyl tubing and check valves need replacement due to discoloration and degradation

WINTERIZATION

PVC Pipe:

- Drain Oxygen Generator at the same time you drain the rest of your pool equipment.

- Remove the Oxygen Generator box only from the manifold by loosening the clamps on the clear vinyl hoses. Leave the rest of the manifold in place

- Pull generator clear vinyl hoses and clamps off the rest of the manifold. Tape the openings over open ends of the elbows.

- Store the generator, clear hoses and clamps in a warm, dry place.

TROUBLESHOOTING AND FAQ

How long should the system be run?
Run pool equipment and oxygen generator a minimum of 12 hours daily, during daylight hours. Running the system longer will provide even better quality water. Running the system continuously will provide the highest quality water possible.

When should I add Formula "O"?
According to directions on pail.

How Long after I add Formula "O" can I go swimming?
Non toxic Formula "O" dissolves quickly in the water so you can go swimming 15 minutes after adding.

How do I know the Oxygen Generator is working?
- The LED light on the bottom of the generator is illuminated.
- There are small bubbles entering the pool through the return.

The light on the bottom is not illuminated?
- Plug should be plugged into GFCI outdoor outlet. Check to make sure the breaker and outlet are in good working order.
- Contact Oxygen Pools for warranty help at 877.246.9943 or go to www.oxygenpools.com to initiate a warranty claim.

The light is on but there are no small bubbles entering the pool.
- Check to make sure the filter and pump are working properly. If filter is dirty, clean filter and restart.
- Remove Dynamic Oxygen generator from manifold. Remove the 4 Philips screws and open cover. Inspect internal tubing. Check valve assembly (OXY20-11). Replace if disc shaped check valves are clogged.

How Often should I test my Water?
- 4 Way Test Strip Weekly,
- Swimming Pool Store Professional Lab Test monthly.

My Pool Looks cloudy or green.
The system is designed to maintain and keep your pool looking and feeling great. If there is a problem and the pool becomes dirty the Oxygen Pool system can correct the problem.
- Check filter and pump to ensure water is circulating properly. Clean filter if necessary.
- Make sure light on bottom of Oxygen Generator is on and bubbles are entering the pool via the returns when system is on.
- Double dose Formula "O" (2 lbs. per 10,000 gallons of water)
- Run filter and Oxygen Generator continuously on high speed for 48 hours.
- If necessary, contact your local Swimming Pool Store to inquire about adding an additional chlorine shock to fix the problem and then returning to an Oxygen Maintenance program.

Can I use additional chemical products to Formula "O"?
Yes, the system is designed to work with most chemicals, including chlorine.
IMPORTANT: Do not use the Oxygen Pools System while using biguanide products in your pool. Biguanide products are not compatible with any other pool chemicals and must be removed from the water before starting any other water treatment program, including the Oxygen Pools Program. Do not use with bromine based sanitizers.

Can I use a return fountain while using the Oxygen Generator?
No, the bubbles of Oxygen stay in contact the water to be effective. The longer the bubbles are in the water, the better the system is working. Aim the returns down on a 45° angle so that the bubbles stay in the water as long as possible to be the most effective.

My filter seems to be getting dirty quickly?
The nature of using an Oxygen Based water treatment program means that more organic and inorganic materials are oxidized and broken down compared to other systems. This means more impurities will be filtered out and therefore the filter media is working better. The Oxygen Pools System may increase the need to clean the filter.

The walls of my pool feel slick and I see a film on the water surface.
- New vinyl liners continue to cure for about a year after installation. What you see and feel are the plasticizer curing. There is no harm allowing this to cure over time.
- If desired to remove, add an enzyme pool treatment per the instructions on the bottle.

TRANSFERABLE THREE YEAR LIMITED WARRANTY

1. Introduction

This limited warranty is applicable to OXYGEN POOLS DYNAMIC OXYGEN GENERATOR installed for outdoor residential use. For purposes hereof, the term "residential use" shall be deemed to mean use of the System within any pool installed for personal use at a single family home. Public and semi-public pools are excluded from this warranty. This warranty is transferable to subsequent owners of the system during the warranty period provided the location of the system is unchanged from the original installed location.

2. Three Year Limited Warranty

This warranty applies to this DYNAMIC OXYGEN GENERATOR and their factory-supplied components (the "System") when purchased from an authorized dealer and used for residential swimming pools. The System is warranted to be free from defects in materials and workmanship in the manufacturing process for a period of Three (3) years from the original purchase date. Should the system exhibit a manufacturing defect within the first year of this warranty period, when properly installed and operated in accordance with the relevant manuals, the manufacturer will supply comparable replacement parts for the system according to its judgment without charge for parts. Should the system exhibit a manufacturing defect during years two through three of this warranty period, when properly installed and operated in accordance with the relevant manuals, the manufacturer will supply comparable replacement parts for the system according to its judgment at a price not to exceed 60% of the current Manufacturer's Suggested Retail Price in effect at the time of the warranty claim. This warranty is applicable only if the system is installed, operated and maintained in accordance with the procedures outlined in the Owner's Manual. Failure to do so will void this limited warranty. Pool water must be tested regularly in order to properly maintain its chemical balance. Problems or equipment failures resulting from the failure to maintain pool water chemistry in accordance with guidelines set forth in the Operation Manual will void the warranty. Customer releases and holds the manufacturer harmless from any and all claims attributable in whole or in part to their failure to comply with the foregoing guidelines concerning maintenance of pool chemistry.

3. Exceptions & Liability Limitations

The manufacturer, and their suppliers, dealer, and distributors SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES; DAMAGE OF ANY SORT OR NATURE RESULTING FROM ABUSE, MISUSE, NEGLIGENCE, LIGHTNING, ABNORMAL WEATHER CONDITIONS, OR ACT OF GOD; OR DAMAGE CAUSED BY IMPROPER OR UNAUTHORIZED USE, INSTALLATION OR REPAIR. This warranty applies only to components supplied by the factory and only where such components have been installed and maintained in compliance with the respective installation and operation manuals and instructions and applicable ordinances and codes. In no event shall the liability exceed the purchase price of the product. THE CONSUMER SHALL BE LIABLE AT STANDARD RATES FOR ANY SERVICE VISIT. This warranty shall be void if Customer modifies the Unit in any respect including, but not limited to the use of parts other than genuine manufacturer parts. If this inline salt chlorination system is installed for use on a commercial (non residential) pool, this warranty is null and void. Normal "wear and tear" parts are excluded from this warranty. these include clear vinyl hoses and clamps on the manifold and the vinyl hose assembly with check valves inside the generator.

4. How To Make A Claim

Oxygen Pools will replace, at its option, a system or part proved to be defective within the warranty periods and under the conditions of this limited warranty. This limited warranty is void if the system has been tampered with (except for normal wear and tear parts in clause 3). The Customer must arrange prepaid shipping for servicing of the warranted items after proper authorization (call 877-24OXYGEN) or go to www.oxygenpools.com to request RMA. No packages will be accepted without a manufacturer issued Returned Merchandise Authorization (RMA).

5. Entire Warranty

The express warranty above constitutes the sole and complete warranty and takes precedence over all other warranties, whether expressed or implied, including a warranty for fitness for a particular purpose. No sales representative, dealer, distributor, or other person is authorized to give any warranty on behalf of the manufacturer. Some states do not allow limitations on how long an implied warranty lasts, prohibit the exclusion or limitation of incidental or consequential damages, or impose limitations on the scope of implied or express warranties (and the waivers therein) that may be inconsistent with the express limitations set forth in this warranty. In such states, the above limitations may not apply to you, or their application to you may be limited. This limited warranty shall be enforceable to the fullest extent permitted by applicable federal, state and local law. This limited warranty is valid only in the United States of America. You may have other rights depending on the state in which you live.

6. Proof of Purchase

The consumer is responsible for establishing the original purchase date and the purchaser's identity for warranty purposes. The consumer is responsible for filling out the Warranty form and to send it to the manufacturer. We recommend that a bill of sale or some other appropriate payment record be kept for that purpose.

7. Warranty Registration

Please register your product in order to activate your warranty. If a warranty claim is made, proof of purchase will be required in order to process the claim. SAVE ANY RECEIPTS AND PROOF OF PURCHASE ASSOCIATED WITH THIS PRODUCT.