

THERMOPLASTIC SUMP PUMPS

Owner's Manual



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SAFETY INSTRUCTIONS

Hazard Messages

This manual includes safety precautions and other important information in the following formats:

A DANGER

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

AWARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

A CAUTION

Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate personal injury.

NOTICE

Indicates a potentially hazardous situation which, if not avoided could result in damage to equipment or other property.

IMPORTANT: Identifies information that controls correct assembly and operation of the product.

NOTE: Identifies helpful or clarifying information.



This symbol alerts the user to the presence of dangerous voltage inside the product that might cause harm or electrical shock.



This symbol alerts the user to the presence of hot surfaces that might cause fire or personal injury.

Before Getting Started

This equipment should be installed and serviced by technically qualified personnel who are familiar with the correct selection and use of appropriate tools, equipment, and procedures. Failure to comply with national and local electrical and plumbing codes and within Red Lion recommendations may result in electrical shock or fire hazard, unsatisfactory performance, or equipment failure.

Know the product's application, limitations, and potential hazards. Read and follow instructions carefully to avoid injury and property damage. Do not disassemble or repair unit unless described in this manual.

Refer to product data plate(s) for additional precautions, operating instructions, and specifications.

Failure to follow installation or operation procedures and all applicable codes may result in the following hazards:

A DANGER



Risk of death, personal injury, or property damage due to explosion, fire, or electric shock.

- Do not use to pump flammable or explosive fluids such as gasoline, fuel oil, kerosene, etc.
- Do not use in explosive atmospheres or hazardous locations as classified by the NEC, ANSI/NFPA70.
- Do not handle a pump or pump motor with wet hands or when standing on a wet or damp surface, or in water.
- When a pump is in its application, do not touch the motor, pipes, or water until the unit is unplugged or electrically disconnected.

AWARNING



High voltages capable of causing severe injury or death by electrical shock are present in this unit.

- To reduce risk of electrical shock, disconnect power before working on or around the system. More than one disconnect switch may be required to de-energize the equipment before servicing.
- Be certain that this pump is connected to a circuit equipped with a ground fault circuit interrupter (GFCI) device if required by code.
- Wire pump system for correct voltages.
- The pump has been evaluated for use with water only. Pump should only be used with liquids compatible with pump component materials. If the pump is used with liquids incompatible with the pump components, the liquid can cause failure to the electrical insulation system resulting in electrical shock.

NOTICE

Risk of damage to pump or other equipment.

- Do not use this pump for pumping sea water, beverages, acids, chemical solutions, or any other liquid that promotes corrosion as this can result in damage to the pump.
- Do not run pump dry. For optimal cooling and to prolong the motor life, the liquid level being pumped should normally be above the top of the pump housing.
- This pump is not suitable for pond applications.

A CAUTION



Risk of bodily injury, electric shock, or property damage.

- This equipment must not be used by children or persons with reduced physical, sensory, or mental abilities, or lacking in experience and expertise, unless supervised or instructed. Children may not use the equipment, nor may they play with the unit or in the immediate vicinity.
- Do not use this pump for pumping any liquid intended for human consumption.
- Equipment can start automatically. Always unplug the pump power cord and disconnect the electrical power before servicing the pump or switch. Lockout-Tagout before servicing equipment.
- An inoperative or malfunctioning pump could lead to flooding, resulting in personal injury or property damage.
- In applications where property damage and/or personal injury might result from an inoperative or leaking pump due to power outages, discharge line blockage, or any other reason, an automatic back-up system and/or an alarm should be installed.
- Do not run the pump dry. If run dry, the surface temperature of the pump will rise to a high temperature that could cause skin burns if touched, and will cause serious damage to the pump.
- Do not oil the motor. The pump's motor housing is sealed, and contains a high-grade dielectric oil for heat transfer and lifetime lubrication. Use of other oils could cause serious electric shock and/or permanent damage to the pump.
- Operation of this equipment requires detailed installation and operation instructions provided in this manual for use with this product.
- Read entire manual before starting installation and operation.
- End User should receive and retain manual for future use.
- Keep safety labels clean and in good condition.
- Keep work area clean, well-lit, and uncluttered.
- Wear safety glasses while installing or performing maintenance on the pump.
- Do not wear loose clothing, jewelry, or anything that may be caught in the rotating parts. Tie up long hair and remove jewelry.

PRODUCT DESCRIPTION

This submersible pump is for use in basins or lift stations and is suitable for pumping clear water and other non-explosive, non-corrosive liquids. Do not use the pump in applications where sewage or any other debris (gravel, sand, floating debris, etc.), abrasives, or corrosives are present.

These products have been carefully tested, inspected, and packaged to ensure safe delivery and operation. Please examine your pump carefully to ensure that no damage occurred during shipment. If damage has occurred, please contact the place of purchase. They will assist you in replacement or repair, if required.

The pump motor is equipped with an automatic resetting thermal protector, and may restart unexpectedly. Thermal Protector tripping is an indication of motor overloading or overheating, which can be caused by application issues such as an obstructed pump impeller, float stuck in the ON position, pump running dry, pump air-locked, pump short cycling, excessively high or low voltage supply, or possibly a pump, motor, bearings, or seal that have reached the end of their useful life.

Models

Model	HP	Amps	Voltage	Float Type	On/Off Levels	Minimum Basin Diameter
RL-SP25T	1/4	6	115	Tethered	14.5" (368 mm)/5.5" (140 mm)	14" (356 mm)
RL-SP33T	1/3	4.4	115	Tethered	14.5" (368 mm)/5.5" (140 mm)	14" (356 mm)
RL-SP33V	1/3	4.4	115	Vertical	7.25" (184 mm)/2.75" (70 mm)	11" (279 mm)
RL-SP50T	1/2	5	115	Tethered	14" (356 mm)/6" (152 mm)	14" (356 mm)
RL-SP50V	1/2	5	115	Vertical	7.25" (184 mm)/2.75" (70 mm)	11" (279 mm)

Flow Rates

Gallons/Liters per Hour						
At Height: (Head)	5 ft (1.5 m)	10 ft (3 m)	15 ft (4.5 m)	Shut Off		
RL-SP25T	2640 / 9993	2100 / 7949	1560 / 5905	23 ft (7 m)		
RL-SP33T	2880 / 10,902	2340 / 8858	1680 / 6359	25 ft (7.6 m)		
RL-SP33V	2880 / 10,902	2340 / 8858	1680 / 6359	25 ft (7.6 m)		
RL-SP50T	3060 / 11,583	2520 / 9539	1920 / 7268	28 ft (8.5 m)		
RL-SP50V	3060 / 11,583	2520 /9539	1920 / 7268	28 ft (8.5 m)		

Specifications

Discharge Size	1-1/2" FNPT
Intake Size	1/8" (3.2 mm) screened opening
Pump Housing	Thermoplastic (including volute and screen)
Impeller	Vortex design
Motor	Single phase PSC with automatic reset thermal overload protection
Hardware	300 series stainless steel
Bearings	Ball bearings
Pump Shaft Seal	Mechanical, spring-loaded, stationary carbon with Nitrile boot and rotating ceramic seat
Cooling	The motor housing contains oil to cool the motor and to lubricate the bearings and seals. These pumps can be operated with the motor housing partially exposed for extended periods of time. However, for the best cooling and longest motor life, the liquid level being pumped should normally be above the top of the pump housing.

INSTALLATION

Physical Installation

AWARNING



Risk of severe injury or death by electrical shock.

- Always disconnect the electrical power before touching the pump or discharge.
- Check local electrical and building codes before installation. The installation must be in accordance with their regulations as well as the most recent National Electrical Code (NEC).
- 1. Pump must be installed in a suitable basin that is at least 18" (457 mm) deep, and in accordance with local plumbing codes. Refer to "Models" on page 4 for minimum basin diameters.
- 2. Clean any debris from the basin and set the pump in the center of the basin (refer to "Typical Installation" on page 6).
- 3. The pump must be placed on a hard, level surface. Never place the pump directly on clay, earth or gravel surfaces. These surfaces contain small stones, gravel, sand etc. that may clog or damage the pump and cause pump failure.
- 4. Do not attempt to restrict the intake side of these pumps. Restricting the intake may cause damage to the seal and may starve the pump. If you require reduced flow rates, place a valve on the discharge side of the pump. Or, if flexible vinyl tubing is used, a clamp can be used on the tubing to restrict the flow.
- 5. Connect discharge piping. Use pipe joint compound at all connections. Sump pumps can be piped to discharge into the house drainage system, to a dry well, splash block, or to a storm drain, depending on local plumbing codes. The discharge pipe should be as short as possible and contain as few elbows as possible. The discharge pipe should be the same diameter, or larger than, the pump discharge size. A smaller pipe will restrict capacity and reduce pump performance. The pump comes with a 1-1/2" FNPT discharge and a 1-1/4" FNPT reducing bushing.
 - Support the pump and piping while assembling and when installed. Failure to do so may cause the piping to break, the pump to fail, motor bearing failures, etc.
 - Always install a union in the discharge line just above the basin cover to allow for easy removal of the pump for cleaning or repair.
- 6. A full flow check valve must be used in the discharge line to prevent back-flow of liquid into the basin. A missing, improperly installed, or malfunctioning check valve can cause a pump to short-cycle due to back-flow of the pumped fluid from the discharge plumbing back into the basin, significantly shortening the life of the pump.

NOTICE

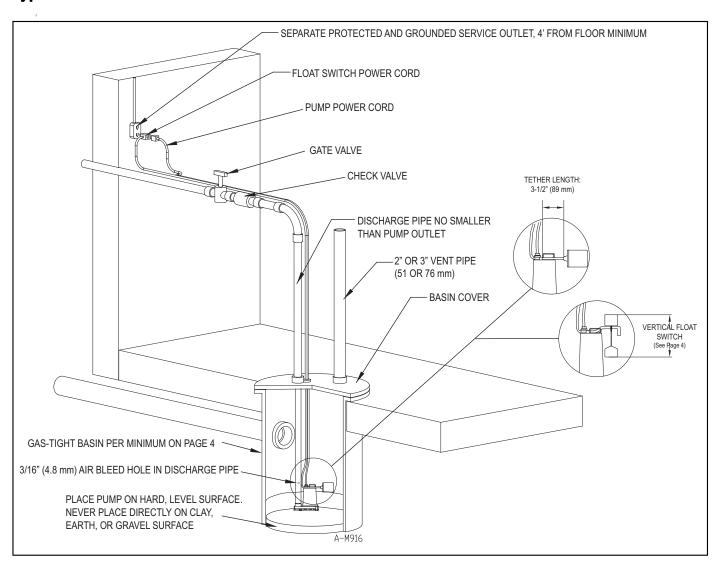
Risk of property damage due to flooding.

- When a check valve is used, drill a relief hole 1/8 3/16'' (3.2 4.8 mm) in diameter in the discharge pipe. This hole should be located below the floor line between the pump discharge and the check valve. Unless such a relief hole is provided, the pump could "air lock" and will not pump water even though it will run.
- 7. Tape the pump and switch cords to the discharge pipe with electrical tape to keep the power cords securely routed away from the pump inlet and any control floats.
- 8. Connect the pump to an appropriate power supply following the instructions in <u>"Electrical Connections"</u> on page 7.

INSTALLATION Physical Installation

- 9. Test the operation of the pump system by following the instructions in <u>"Operation Testing" on page 8</u> of this manual. Do not attempt to operate the pump without water; this will damage the seals and bearings and could result in permanent damage to the pump.
- 10. Place cover over basin. This cover will help prevent debris from entering the pit and will guard against accidental injury.

Typical Installation



Electrical Connections

AWARNING



Risk of severe injury or death by electrical shock.

- Always disconnect the electrical power before touching the pump or discharge.
- Pumps are supplied with a grounding conductor and grounding-type attachment plug. To reduce
 risk of electric shock, be certain that it is connected only to a properly grounded grounding-type
 receptacle. Do not remove the third prong from the plug. The third prong is to ground the pump to
 help prevent possible electric shock hazard.
- Check electrical outlets with a circuit analyzer to ensure power, neutral, and ground wires are properly connected. If not, a qualified, licensed electrician should correct the problem.
- Do not use the power cord for lifting the pump.
- Do not remove the third prong from the plug, or cut plug from cord. These actions will void the warranty.
- Do not use an extension cord.

Wiring Guidelines

Check the pump label for proper voltage required. Do not connect to voltage other than that shown.

Be certain that this pump is connected to a circuit equipped with a ground fault circuit interrupter (GFCI) device if required by code.

The pump should be connected or wired to its own circuit, with no other electric receptacles or equipment in the circuit. The fuses or circuit breaker should be of ample capacity in the electrical circuit.

RL-SP Series breaker size = 15 A

Power Supply

Automatic Pump Operation

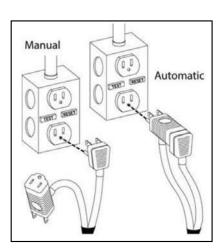
Pumps with a tethered or vertical float switch include two power cords with a piggyback plug on the switch cord. For automatic operation, plug the pump cord into the piggyback switch cord. Plug the switch cord (with pump cord attached) into a GFCI outlet.

Manual Pump Operation

For manual operation, disconnect the pump cord from the float switch piggyback plug. Plug the pump cord directly into a dedicated GFCI receptacle.

Manual, continuous pump operation should be used only for emergencies, or when a large volume of water is to be pumped.

The pump must be continuously monitored during manual operation and disconnected from power before the pump runs dry. If the pump is run dry, it may damage the pump and void the warranty.



OPERATION TESTING

NOTICE

Risk of damage to pump or other equipment.

- Do not attempt to run the pump without water; this could result in permanent damage to the pump.
- If pump is run dry, it may damage pump and void the warranty.

If the pump does not operate properly, refer to <u>"Troubleshooting" on page 10</u>. If the solution still cannot be found, please contact the place of purchase or Technical Support at 888-885-9254.

Do not let the unit run dry (without liquid). It is designed to be cooled by pumping fluid. The seal may be damaged and the motor may fail if the pump is allowed to run dry.

If the unit is going to be idle for a period of time, follow the cleaning instructions in <u>"Cleaning Impeller and Volute" on page 9</u>. Do not let the unit freeze. This may cause cracking or distortion that may destroy the unit.

Testing Pump Operation

Pumps are equipped with a tethered or vertical float switch that operate by floating on top of accumulating water. Rising water in the basin lifts the float, which activates the switch, turning on the pump. As the water level falls, the float lowers until the switch deactivates, turning off the pump.

When the pump is installed in a basin with a sealed cover, pump operation cannot be observed. The basin cover will usually have a spare hole that is plugged with a rubber plug. This plug can be removed and pump operation can be observed.

To test system operation, follow these steps:

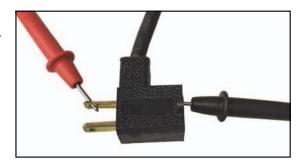
- 1. Connect the float switch and pump to an appropriate power supply with voltage consistent with the pump voltage, as indicated on the pump nameplate.
- 2. If there is a gate valve on the discharge line, be sure the valve is open.
- 3. Run water into the basin until the pump is activated. Do not attempt to run the pump without water; this could result in permanent damage to the pump.
- 4. Confirm that the pump and its float switch are functioning as intended.

NOTE: If the pump doesn't turn on, test manual operation by connecting the pump's power plug directly into the power source. If the pump runs, test the float switch.

- 5. Confirm that the ON/OFF levels are within specification, and confirm that no potential obstructions exist that could inhibit switch operation.
- 6. Confirm that there are no leaks in the pump discharge plumbing and main home drain pipe plumbing.
- 7. Allow the pump to operate through several on/off cycles.

Testing the Float Switch

A float switch can be bench tested by using an ohmmeter to check for continuity between the incoming and outgoing connections of the piggyback plug while raising and lowering the float.



MAINTENANCE

AWARNING



Risk of severe injury or death by electrical shock, high temperatures, or pressurized fluids.

- Always unplug the pump power cord and disconnect the electrical power before servicing the pump or switch.
- Let pump cool for a minimum of 2 hours before attempting to service. Submersible pumps contain oil that becomes pressurized and hot under normal operating conditions.

NOTICE

Risk of damage to pump or other equipment.

- This unit is permanently lubricated. Oiling is not required. Do not open the sealed portion of the unit or remove housing screws.
- Do not remove the motor housing cover.
- Do not remove the impeller
- Warranty is void if the motor housing cover, impeller, or seals have been removed. Repairs on the motor or impeller require special tools.

Periodic Service

Inspect and test the pump system condition and operation every three months—more frequently in heavy use applications.

- 1. Check the power cords, electric receptacle, and/or junction box for damage or corrosion. The power cord on these units cannot be replaced. If damaged, replace the pump.
- 2. Remove all debris (gravel, sand, floating debris, etc.) from the basin.
- 3. Check the pump system components (basin, pump, switch, etc.) for any build-up (sludge, sediment, minerals, etc.) that would inhibit functionality of the components. If significant, remove build-up or replace affected components.
- 4. Confirm that all flexible coupling hose clamps are fully engaged with plumbing and fully tightened.
- 5. Test operation of the pump system. Refer to "Operation Testing" on page 8.
- 6. While the pump is running, make sure a stream of water is escaping from the air bleed hole. If not, clear the hole of any deposits or debris.

Cleaning Impeller and Volute

Periodic cleaning of the pump parts will prolong the life and efficiency of the pump.

After removing power to the pump, disconnect the pump from the discharge plumbing.

- 1. Remove the screws that hold the base to the volute, then separate the base from the volute.
- Remove the base and clean the impeller and the volute passage. Do not use strong solvents on the impeller.
- 3. Be sure the impeller turns freely after cleaning.
- 4. Attach the base to the volute, making sure the seal is properly aligned.

MAINTENANCE Troubleshooting

Troubleshooting

Problem	Probable Causes	Corrective Action				
Pump does not turn on	Pump not connected to electrical power.	Connect pump to a dedicated circuit equipped with GFCI.				
	Circuit breaker off or fuse removed.	Turn on circuit breaker or replace fuse.				
	For models equipped with tethered float	Clean float.				
	switch: Accumulation of trash or build- up on float.					
	For models equipped with tethered float switch: Float obstruction.	Check float path and provide clearance.				
	Defective switch.	Replace switch.				
	Defective motor.	Replace pump.				
	Float obstruction.	Check float path and provide clearance.				
	Pump is air locked due to missing or	If missing, drill an air relief hole as described in <u>"Physical Instal-</u>				
Pump will not shut off	clogged air relief hole.	<u>lation" on page 5</u> . If clogged, clean obstruction from air relief.				
	Liquid inflow matches pump capacity.	Larger pump required.				
	Defective switch.	Replace switch.				
	Check valve installed backwards.	Check flow indicating arrow on check valve body to ensure proper installation.				
Pump runs but does not	Check valve stuck or plugged.	Remove check valve and inspect for proper operation.				
discharge liquid	Lift too high for pump.	Check rated pump performance.				
discridige liquid	Inlet to impeller plugged.	Pull pump and clean.				
	Pump is air locked due to missing or	If missing, drill an air relief hole as described in INSTALLATION.				
	clogged air relief hole.	If clogged, clean obstruction from air relief hole.				
	Lift too high for pump.	Check rated pump performance.				
Pump does not deliver rated capacity	Low voltage, speed too slow.	Check that supply voltage matches the nameplate rating.				
	Impeller or discharge pipe is clogged.	Pull pump and clean. Check pipe for scale or corrosion.				
	Impeller wear due to abrasives.	Replace pump.				
Dump cycles continuously	No check valve in long discharge pipe allowing liquid to drain back into basin.	Install a check valve in discharge line.				
Pump cycles continuously	Check valve leaking.	Inspect check valve for correct operation.				
	Basin too small for inflow.	Install larger basin.				

Replacement Parts

Part Number	Description
640171	Tethered Float Switch, Piggyback, 10 ft (3 m)
640172	Tethered Float Switch, Piggyback, 20 ft (6.1 m)
14942904	Vertical Float Switch, Piggyback, 10 ft (3 m)

LIMITED WARRANTY

THIS WARRANTY ("WARRANTY") SETS FORTH THE BRAND'S SOLE OBLIGATION AND PURCHASER'S EXCLUSIVE REMEDY FOR DEFECTIVE PRODUCT.

The Red Lion® Brand (the "Brand") warrants that the products accompanied by this Warranty are free from defects in materials or workmanship that exist at the time of sale by the Brand and which occur or exist within the applicable warranty period identified below. Any distributor, sub-distributor, recipient, end-user and/or consumer agrees that by accepting the receipt of the products, the distributor, sub-distributor, recipient, end user and/or consumer expressly agrees to be bound by the terms of this Warranty.

I. Applicable Warranty Period

The products accompanied by this Warranty shall be covered by this Warranty for a period of 24 months from the date of original purchase by the consumer. In the absence of suitable proof of purchase date, the warranty period of this product will begin to run on the product's date of manufacture.

II. Instructions Applicable to this Limited Warranty

- 1. Consumers wishing to submit a warranty claim must return the products accompanied by this Warranty to the point of purchase for warranty consideration.
- 2. Upon discovery of a defect, any personal injury, property damage or any other type of resulting damage, if applicable, shall be reasonably mitigated to the extent possible.
- 3. At its discretion, the Brand may inspect products either at its facilities or in the field, and after determination of a warranty claim, will, at its option, repair or replace defective parts. Repaired or replaced parts will be returned freight prepaid by the Company.
- 4. This Warranty does not cover any labor or shipping charges. The Brand shall not be liable for any costs or charges attributable to any product testing, maintenance, installation, repair or removal, or for any tools, supplies, or equipment needed to install, repair, or remove any product.

III. Limitations Applicable to this Limited Warranty

THIS WARRANTY DOES NOT APPLY TO ANY OF THE FOLLOWING:

- Brushes, impeller or cam on models with brush-type motors and/or flex-vane impellers.
- 2. Any product that is not installed, applied, maintained, and used in accordance with the Brand's published instructions, applicable codes, applicable ordinances and/or with generally accepted industry standards.
- 3. Any product that has been subject to misuse, misapplication, neglect, alteration, accident, abuse, tampering, acts of God (including light-ning), acts of terrorism, acts of war, fire, improper storage or installation, improper use, improper maintenance or repair, damage or casualty, or to an excess of the recommended maximums as set forth in the product instructions.
- 4. Any product that is operated with any accessory, equipment, component, or part not specifically approved by the Brand.
- 5. Use of replacement parts not sold by the Brand, the unauthorized addition of non- Brand products to other Brand products, and the unauthorized alteration of Brand products.
- 6. Products damaged by normal wear and tear, normal maintenance services and the parts used in connection with such service, or any other conditions beyond the control of the Brand.
- 7. Any product that has been used for purposes other than those for which it was designed and manufactured.
- 8. Any use of the product where installation instructions and/or instructions for use were not followed.
- 9. Products connected to voltage other than indicated on nameplate.
- 10. Products where the pump was exposed to any of the following: sand, gravel, cement, grease, plaster, mud, tar, hydrocarbons, hydrocarbon derivatives (oil, gasoline, solvents, etc.) or other abrasive or corrosive substances.
- 11. Products in which the pump has been used to pump or circulate anything other than fresh water at room temperature.
- 12. Products in which the pump was allowed to operate dry (fluid supply cut off).
- 13. Products in which the sealed motor housing has been opened or the product has been otherwise dismantled by customer.
- 14. Products in which the cord has been cut to a length of less than three feet.

The Brand reserves the right at any time, and from time to time, to make changes in the design and/or improvements upon its product without thereby imposing any obligation upon itself to make corresponding changes or improvements in or upon its products already manufactured and/or previously sold. The Brand further reserves the right to substitute parts or components of substantially equal quality in any warranty service required by operation of this Warranty.

This Warranty is the entire warranty authorized and offered by the Brand. There are no warranties or representations beyond those expressed in this document.

THIS WARRANTY AND REMEDY IS IN LIEU OF ALL OTHER WARRANTIES AND REMEDIES INCLUDING WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY SPECIFICALLY DISCLAIMED AND EXPRESSLY EXCLUDED. CORRECTION OF NON-CONFORMITIES, IN THE MANNER AND FOR THE PERIOD OF TIME AS SET FORTH ABOVE, SHALL CONSTITUTE FULFILLMENT OF ALL LIABILITY OF THE BRAND TO THE PURCHASER WHETHER BASED ON CONTRACT, NEGLIGENCE, OR OTHERWISE.

THE BRAND SHALL NOT BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES SUCH AS, BUT NOT LIMITED TO:

DAMAGE TO OR LOSS OF OTHER PROPERTY OR EQUIPMENT, LOSS OF USE OF EQUIPMENT, FACILITIES OR SERVICE, LOSS OF PROFIT OR SALES, COST OF PURCHASES OR REPLACEMENT GOODS, CLAIMS OF CUSTOMERS OF THE PURCHASER, FAILURE TO WARN AND/OR INSTRUCT, LOSS OF OTHER PRODUCTS, OR COSTS OF ENVIRONMENTAL REMEDIATION, OR DIMINUTION IN PROPERTY VALUE. THE REMEDIES OF THE PURCHASER SET FORTH HEREIN ARE EXCLUSIVE, AND THE LIABILITY OF THE BRAND SHALL NOT, EXCEPT AS EXPRESSLY PROVIDED HEREIN, EXCEED THE PRICE OF THE PRODUCTS UPON WHICH SUCH LIABILITY IS BASED. DAMAGES AS SET FORTH IN THIS PARAGRAPH SHALL BE REASONABLY MITIGATED TO THE EXTENT POSSIBLE. THIS PARAGRAPH SHALL ALSO APPLY TO ALL DAMAGES RESULTING FROM CONDITIONS SET FORTH IN SECTION III ABOVE AND (1) DEFECTS IN PRODUCT PROTOTYPES OR REPLACEMENT PART PROTOTYPES THAT HAVE NOT BEEN PUT INTO PRODUCTION, CIRCULATED AND SOLD BY THE BRAND, AND/OR (2) DEFECTS THAT WERE NOT FOUND AT THE TIME OF SALE DUE TO SCIENTIFIC AND TECHNOLOGICAL REASONS.

This Warranty gives you specific legal rights. You may have other rights, which vary according to the applicable laws and regulations. Where any term of this warranty is prohibited by such laws, it shall be null and void, but the remainder of this Warranty shall remain in full force and effect.

DISCLAIMER: Any oral statements about the product made by the seller, the Brand, the representatives or any other parties, do not constitute warranties, shall not be relied upon by the user, and are not part of the contract for sale. Seller's and the Brand's only obligation, and buyer's only remedy, shall be the replacement and/or repair by the Brand of the product as described above. Before using, the user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith.





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