

1 Year Limited Warranty

Your Rx Clear® Niagara Rapids™ submersible pool cover pump is warranted against defects in workmanship for a period of 1 year from date of purchase. Examine the pump before usage or installation.

If the pump should fail for reason above and still within the warranty period it will be repaired or replaced at the option of the manufacture discretion. All defective product returned under this limited Warranty will be fully inspected to determine the cause of failure before Warranty is approved. To file a claim contact the Authorized Retailer the product was purchased from, you will be asked to provide a copy of your sales order. Any / all freight charges incurred in returning the pump to the retailer will be the sole responsibility of the purchaser

This limited Warranty is in lieu of all other warranties to the maximum extent permitted by applicable law. The company disclaims all other warranties and conditions, express or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose. Replacement of defective products as provided under this Warranty is your exclusive remedy. The company will not be liable in contract or tort for any direct, consequential, special or incidental loss or damage arising out of the use, misuse or inability to use this product. This Warranty is not transferable by the original owner to a subsequent owner of the pool cover pump.

Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

This Warranty gives you specific legal rights. You may have additional rights, which vary from state to state.



Your Prescription for Crystal Clear Water®

Owners Manual

Niagara Rapid™

Submersible Cover Pump

- Multi-connection Adapter
- Garden Hose Adapter
- Carrying Handle
- Easy Maintenance



INFORMATION

Read these instructions carefully and adhere to all warnings before attempting to install, operate or perform maintenance on this product. Failure to comply with these instructions could result in personal injury and / or property damage.

SPECIFICATIONS

DESCRIPTION

The Rx Clear® Niagara Rapids™ Submersible Cover Pump is designed for residential swimming pools and sumps. Unit is equipped with a 3-prong grounding-type power cord. Motor is sealed for cooler running. Bearings on motor shaft never need lubrication. Automatic reset thermal protection.

SPECIFICATIONS

Power Supply Required.....110V, 60HZ
Liquid Temp. Range.....32°F to 95°F (0°C - 35°C)
Discharge.....1-½" FNTF

NOTICE: This unit is not designed as a waterfall or fountain pump, or for applications involving salt water or brine! Use with waterfalls, fountains, salt water will void warranty. This pump is designed for use in a residential pool only, pump only water with this pump.

NOTICE: Pump can pump down to about ¼" (6mm) but should not be allowed to run for a period of time unless it is in at least 5-½" of water.

Do not use where water recirculates

GENERAL SAFETY INFORMATION

Electrically powered cover pumps normally gives many years of trouble-free service when correctly installed, maintained, and used. However, unusual circumstances (interruption of power to the pump, dirt/debris in the pump, flooding that exceeds the pump's capacity, electrical or mechanical failure in the pump, etc.) may prevent your pump from functioning normally. See the 'Troubleshooting Chart' in this manual for information about common cover pumps problems and remedies.

Know the pump application, limitations, and potential hazards

1. **Do not use in water with fish present. If any oil leaks out of the motor it can kill fish.**
2. Disconnect power before servicing.
3. Release all pressure within system before servicing any component.
4. Drain all water from system before servicing.
5. Secure discharge line before starting pump. An unsecured discharge line will whip, possibly causing personal injury and/or property damage.
6. Check hoses for weak or worn condition before each use, making certain that all connections are secure.
7. Periodically inspect product and system components. Keep free of debris and foreign objects. Perform routine maintenance as required.

8. Personal Safety:
 - a. Wear Safety glasses at all times when working with pumps.
 - b. Keep work area clean, uncluttered and properly lighted – replace all unused tools and equipment.
 - c. Keep visitors at a safe distance from work area.
 - d. Make workshop child-proof – with padlocks, master switches, and by removing started keys.
9. When wiring an electrically driven pump, follow all electrical and safety codes that apply in your state/county.
10. **This equipment is only for use on 110 volt (single phase) and is equipped with an approved 3-conductor cord and 3-prong, grounding-type plug.**

	250W	400W	500W
Max. delivery capacity	6000 l/h	7000 l/h	10,000 l/h
Max. pressure	0.6 bar	0.8 bar	0.85 bar
Max. delivery height	6m	8m	8.5m
Max. submersion depth	5m	7m	7m

SAFETY GUIDELINES

⚠ WARNING To reduce risk of electric shock, pull plug before servicing, Pump is supplied with a grounding conductor and grounding-type attachment plug. Be sure it is connected only to a properly grounded grounding-type receptacle.

⚠ WARNING Where a 2-prong wall receptacle is encountered, it must be replaced with properly grounded 3-prong receptacle installed in accordance with state / local codes and ordinances.

⚠ WARNING Protect electrical cord from sharp objects, hot surfaces, oil and chemicals. Avoid kinking cord. Replace or repair damaged or worn cords immediately

⚠ WARNING Do not touch an operating motor. Modern motors can operate at high temperatures.

⚠ WARNING Do not handle pump or pump motor with wet hands or when standing on wet or damp surface, or in water

⚠ WARNING Do not lift pump by power cord.

⚠ WARNING Do not bury cord. Locate cord to minimize damage from lawn mowers, hedge trimmers, and other equipment.

⚠ WARNING Never pump corrosive liquids with this pump, this could damage the integrity of the enclosure and cause an electrical short. This pump has been evaluated for use with water only.

⚠ WARNING Do not run this pump dry. Running this pump without water may damage the integrity of the enclosures and cause electrical short.

⚠ WARNING Icy conditions can cause unnecessary wear on pump. When these conditions exist cease operation of pump and remove the pump from the pool cover.

OPERATION INSTRUCTIONS

OPERATION WARNINGS.

⚠ WARNING Risk of electrical shock. Do not handle a pump or pump motor with wet hands or when standing on wet or damp surface, or in water
To reduce the risk of electric shock, replace damaged cord immediately. Contact the manufacture for replacement of the power cord. .

⚠ WARNING If service is required, proceed carefully. The pump and surrounding areas may be covered with water. Never plug or unplug the device while standing in wet or damp surfaces. If necessary, remove power at the breaker panel or have certified electrician remove power before attempting to service. Serious or fatal shocks could result if proper procedures are not followed. Disconnect the power at the main electrical service box by switching the appropriate circuit breaker or removing the fuse. In applications where screw type fuses are used, remove only the one hand while other hand or torso is free from contact with anything. Do not stand in water or do not touch any other conductive surfaces. .

⚠ WARNING Verify that the electrical outlet to be used meets the requirements of the National Electrical Code (NEC) as well as local electrical codes including grounding and GFCI protection. Also verify that the outlet is properly sized and located for this pump. Your installation may require a certified electrician or plumber. .

⚠ WARNING If necessary, check your plumbing codes to verify that the final installation will be in compliance with their requirements.

OPERATION Information

1. Shaft seal depends on water for lubrication. Do not operate pump unless it is submerged in water as seal may be damaged if allowed to run dry.
2. Motor is equipped with automatic reset thermal protector. If temperature in motor should rise unduly, switch will cut off all power before damage can be done to motor. When motor has cooled sufficiently, switch will reset automatically and restart motor. If protector trips repeatedly, pump should be removed and checked as to cause of difficulty. Low voltage, long extension cords, clogged impeller, very low head or lift, or a plugged or frozen discharge pipe, etc., could cause cycling.

Follow these instructions to begin using your submersible pump:

1. Locate an area for the end of the garden or backwash hose that unwanted water should be discharged to.
Note: Check state / local codes for discharge of water
2. Locate a desirable flat area for your pump. Always use carrying handle to transport pump.
3. Attach garden or discharge hose to multi-connection adapter
4. Plug cord into an approved electrical outlet and begin operation.

TROUBLESHOOTING CHART.

⚠ WARNING Hazardous voltage and risk of shock can shock, burn or kill. Unplug pump before performing maintenance.		
SYMPTOM	CAUSE(S)	CORRECTIVE ACTION
Pump won't start or run	<ul style="list-style-type: none"> • Pump is not plugged in • Blown fuse • Low line voltage • Defective motor • Defective float switch • Impeller • Frozen water in hose • Water inflow matches or exceeds pump capacity • Stuck intake 	<ul style="list-style-type: none"> • Check and see if pump is plugged into a proper outlet • If blown, replace with fuse of proper size • If voltage under recommended minimum, check size of wiring from main switch on property. If OK, contact power company or hydro authority. • Replace Pump • Replace Pump • If impeller won't turn, remove lower pump body and locate source of binding • Thaw or replace hose • Larger pump required or multiple pumps needed • Clean out area around base
Pump starts and stops too often	<ul style="list-style-type: none"> • Backflow or water from hose • Faulty float switch 	<ul style="list-style-type: none"> • Install or replace hose • Replace Pump
Pump won't shut off	<ul style="list-style-type: none"> • Restricted discharge (obstacle or ice in piping) • Float obstructed • Pump is air locked • Restricted intake screen 	<ul style="list-style-type: none"> • Remove pump and clean pump and hose • Remove obstruction • Shut power off for approximately 1 min then restart the pump. Repeat • Remove the pump and clean the intake screen and the impeller
Pump operates but delivers little or no water	<ul style="list-style-type: none"> • Something caught in impeller • Worn or defective parts or plugged impeller • Restricted intake screen 	<ul style="list-style-type: none"> • Remove the pump and clean out the impeller • Clean impeller if plugged; otherwise replace pump • Remove the pump and clean out the intake screen