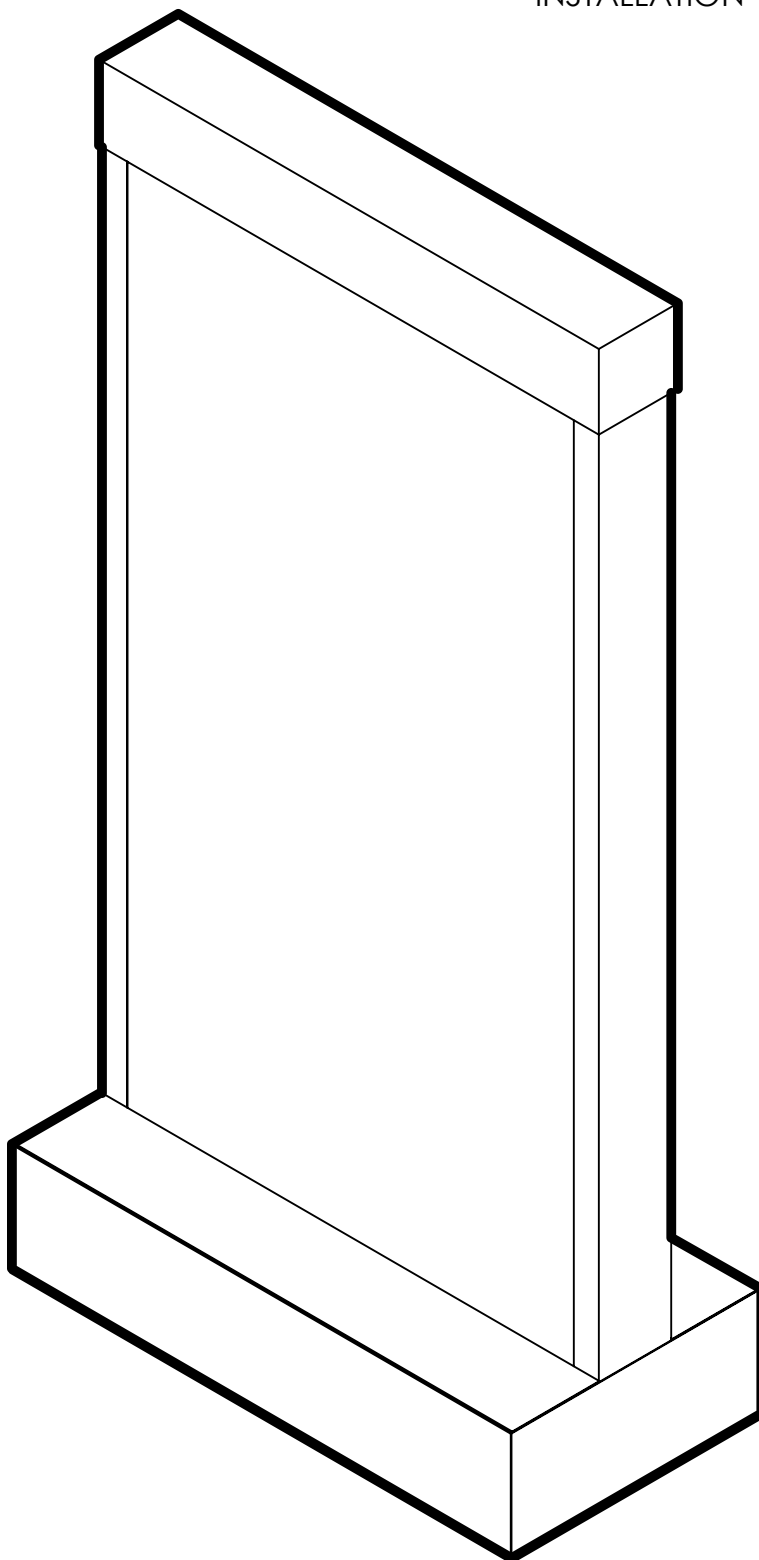


Enclosed Waterfall Installation Guide

INSTALLATION + MAINTENANCE



Enclosed Waterfall

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Revision date: 6.27.18

What you need for installation

- 4 people to help move and position waterfall
- Distilled water
 - 14 gallons of distilled water for 8 x 4 ft. waterfall
 - 18 gallons of distilled water for 9 x 5 ft. and 10 x 5 ft. waterfalls

REQUIRED

Distilled water is absolutely required no tap water, no spring water.

- Safety gloves
- Latex gloves (optional)
- Electric drill
- No. 2 Phillips bit
- Bit holder
- Pair of platform dollies
- Liquid level
- Ladder or scissor lift
- Phillips screw driver
- Tablespoon measuring spoon
- Access to 120VAC 20 AMP Duplex outlet (US Standard outlet)
- Extension cord (optional)
- Rubber mallet

What's in the box

Standard Components	Waterfall Oase® water pump (assembled) UV (Ultraviolet) sterilizer UV bulb and sleeve Plastic funnel Fill insert Tubing Weimans® stainless steel wipes Novus acrylic cleaner Plumber tape Leveling shims Power strip Suction cup glass holders Microfiber cloth Robelle Oxidizing Shock & Swim Monopersulfate (1 lb. bag)
Optional components	39" LED lighting fixture Remote control with batteries

Uncrate the waterfall

Uncrate the shipping container

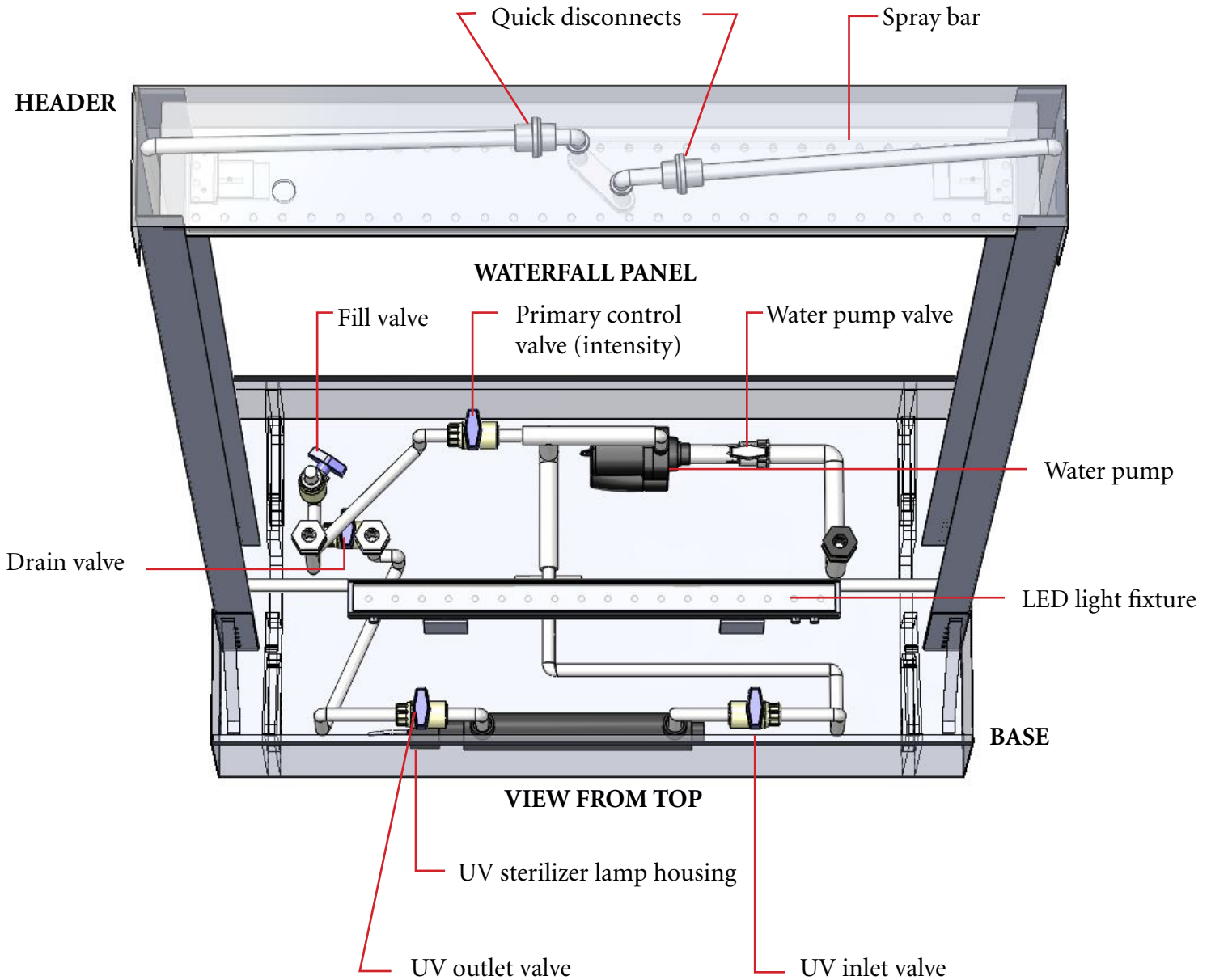
Your waterfall ships inside of a wooden crate to protect the waterfall from damage.

Your container indicates which side is the **front** of the waterfall.

1. Position the package so that the front is facing towards the ceiling.
2. Starting with the front panel of the shipping container, use the drill with the No. 2 Phillips bit to remove all of the screws.
3. Remove the cardboard. The waterfall is wrapped in plastic and surrounded by protective insulation foam. Remove the top layer of insulation foam, but do not throw it away. You can reuse the foam to protect the stainless steel while you move it into its final position.
4. Remove the remaining wooden panel pieces and cardboard from the shipping container.
5. Once all of the wood is removed, lift the waterfall to a standing position. Leave the metal header off until the waterfall is in its final position.
CAUTION Because the waterfall is very heavy, it is best to use four people to move and position it.
6. Use the platform dollies to move the waterfall near its final location, if necessary.

- **To position the dollies under the base**, tip the base on one of the short edges. Roll one of the platform dollies under the lifted base edge. Lower the base onto the platform dolly and carefully tilt the waterfall so that the other dolly can be rolled underneath the opposite side. Move the waterfall nearest to the final location as possible.
- **To remove from dollies**, lift one side of the waterfall, remove a dolly then rest the base onto the floor. Do the same for the other side.

Waterfall overview



Installation

Position the waterfall

Use a platform dolly under each end of the waterfall to move the waterfall into position easily. Take the waterfall off the dollies and slide into its final position.

Level the waterfall

If the waterfall is not level, use shims to level the waterfall.

1. Placing the level on the waterfall base lid, slightly tilt the waterfall and insert the thinnest end of a shim between the floor and the bottom of the waterfall unit. Check the level again. Use a mallet to tap the shim further into the underside of the base, if necessary. Repeat the process until the base is level on all sides.

2. Once the base is level, break off or cut the exposed ends of the shims.

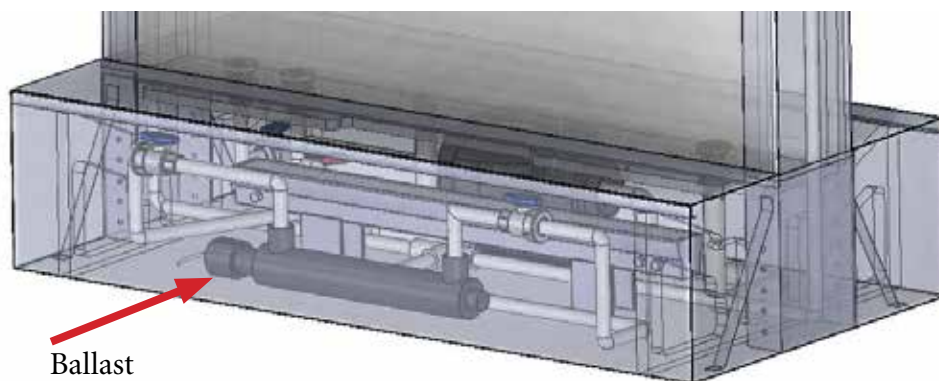
3. Place the header on top of the water fall.

NOTE Because the header is heavy, it is best to use two people to move and position it.

Install bulb in UV

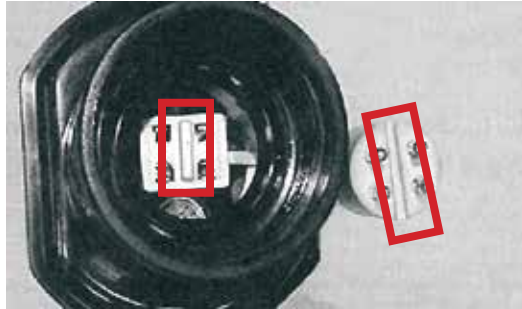
Using the suction cup glass holders, remove the base lids. Remove all packaging inside the base. The waterfall ships with the plumbing installed except the UV bulb and bulb sleeve to prevent damage during transit.

1. To install the bulb and sleeve, unscrew the ballast from the lamp housing.

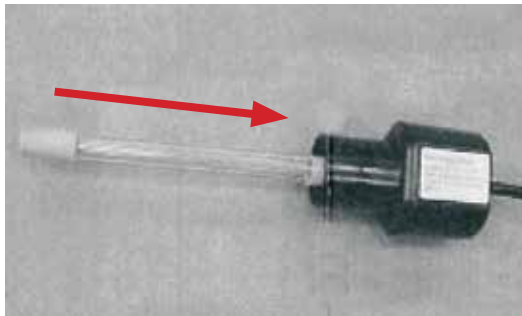


Installation

2. *Wearing gloves or holding the bulb with a cloth (avoid touching the bulb; oils from your skin will reduce the bulb lifespan), align the center groove on the bulb with the pin on the inside of the ballast.*



3. Push the bulb in firmly.



4. Slide the bulb sleeve over the bulb until the rubber ring touches the ballast housing.
5. Slide the bulb into the lamp housing. Screw the ballast back into the lamp housing until it is hand tight. **Do not overtighten!**
6. Screw the lamp housing back into the base plumbing.
7. Do a quick check to make sure the UV light powers on. Look for the three translucent rings to light up. Do not leave the light on for more than 10 seconds. If it doesn't illuminate, unscrew the ballast and check to make sure the sleeve and bulb are correctly in place.

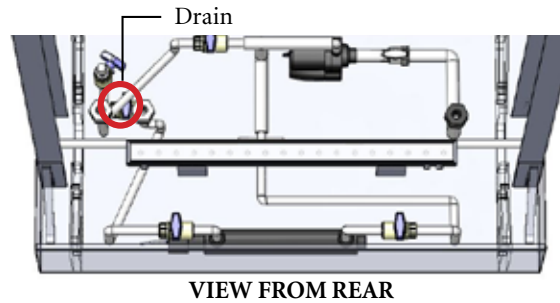
Chase cables to power

Chase or run the cables for the water pump, UV sterilizer, and lighting fixture (if purchased) out of the small hole on the side/back of the waterfall base. Ensure the cords reach the outlet. If the cords don't reach, use a power strip and an extension cord.

CAUTION Do not plug in any components until you've filled the panel with water.

Installation

1. Ensure the drain valve is closed (perpendicular to pipe).



2. Connect the fill insert spout and funnel (supplied) into the fill valve.
3. Open the fill valve (parallel to pipe).

CAUTION

Protect your waterfall and make sure to add the water treatment before running for the first time.

Treat the water

4. Pour one tablespoon of monopersulfate powdered water treatment (provided with purchase) into the funnel, which will dissolve as you add the distilled water. We recommend “Robelle Oxidizing Shock & Swim Monopersulfate.”

NOTE Treat water with 1 tablespoon monopersulfate every 6 months. See maintenance instructions on p. 15.

CAUTION Do not treat with any other additives or solutions including chlorine, bromine, or cleaning solvents/solutions.

Fill with distilled water

5. *Using distilled water only*, fill the panel until the water is 10 inches from the bottom of the panel (5 inches above the base lid).

NOTE: The minimum water fill line indicator is located on the clear acrylic panel near the water fill valve.

REQUIRED

Distilled water is required.
Do not use tap water or spring water.

Model #	Dimension	Water
G048	4 x 8 ft.	14 gallons distilled water
G059/G060	5 x 9 ft. / 5 x 10 ft.	18 gallons distilled water

6. Close fill valve before removing funnel and insert. Have towels on hand for any spills.

First-time operation

Double-check valve position

Ensure the valves are in the following positions:

Valve	Position
Drain valve	Closed (perpendicular to pipe)
Primary control valve	Open (parallel to pipe)
Water pump valve	Open (parallel to pipe)
Fill valve	Closed (perpendicular to pipe)
UV inlet valve	Open (parallel to pipe)
UV outlet valve	Open (parallel to pipe)

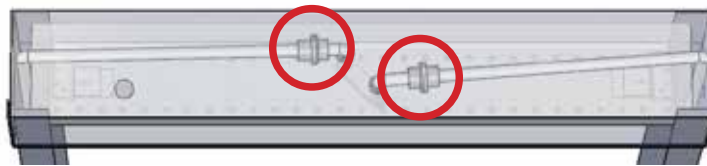
Connect power

Connect all cables to standard US outlet or supplied power strip. There are 3 cables with the optional lighting fixture, or 2 without it.

The waterfall and lighting fixture will power on.

Check for leaks

1. Evaluate the waterfall and check for leaks.
2. If you notice any leaks, immediately disconnect power from the waterfall.
3. Attempt to locate the source of the leak.
4. If the quick disconnect fittings above the spray bar are leaking, tighten them.
5. If the leak is coming from elsewhere, call us at 847-679-6666.



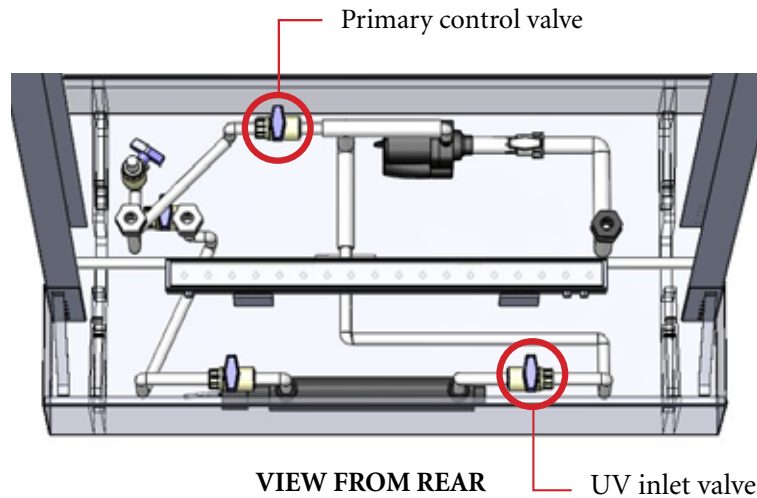
QUICK DISCONNECTS FROM ABOVE

Enclosed Waterfall

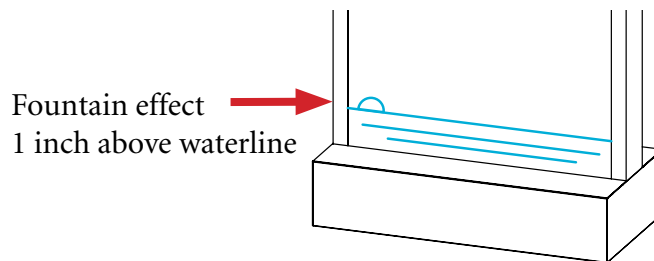
First-time operation

Adjust the flow

Two valves control the flow of water and must be adjusted to balance the flow at the top and base of the panel.



- Adjust the **primary control valve** to control the water flow through the spray bar to create the waterfall effect. Adjust to ensure that there are no dry spots on the panel.
- Adjust the **UV inlet valve** flow until the fountain effect protrudes approximately 1 inch above the water line on the left bottom side of the panel.



Adjust lighting

If you have the optional lighting fixture, use the remote control to customize the lighting. See pg 11.

Seal the waterfall

Replace the header and base lids once you are satisfied with the water flow and lighting.

Lighting operation (optional)

The optional lighting fixture is installed in the base, just below the enclosed acrylic waterfall panel.

Remote control

Your unit includes an infrared lighting remote control.

For best performance, stand close to the waterfall and aim the remote control down towards the lighting fixture in the base.

Select color or program

Press PROG to go into color program select mode.

Press “+” or “-” to cycle through the 24 built-in programs (8 static colors, 8 color dreaming modes and 8 color changing modes).



aim remote control down towards base

Presets

Press button 0 - 9 to choose a static color and the two built-in programs:

0: black	5: yellow
1: red	6: purple
2: green	7: white
3: blue	8: color changing mode
4: cyan	9: color dreaming mode

Recommended presets

We recommend the following for office use:

color program	benefits
7: white	energize and focus
4: cyan	calm and productive
9: color dreaming mode	creativity and visual stimulation

Select brightness

Press R/G/B and press “+” and “-” buttons to adjust the intensity of the lighting.

Select Auto Run mode

Not recommended.

Press “AUTO RUN” to choose Auto Run/demo mode. Press FLASH to turn on/off the flash for the Auto Run, and then pressing “+” and “-” buttons to adjust flash speed. Press SPEED to control the speed of the Auto Run, and then pressing “+” and “-” buttons to adjust it.

Select flash/strobe effect

Not recommended.

Press FLASH to turn on/off strobe effect and press “+” or “-” to adjust the flash speed.

General operation: Valve overview

Primary control valve: Modifies the intensity of waterfall. This valve controls the water flow through the spray bar.

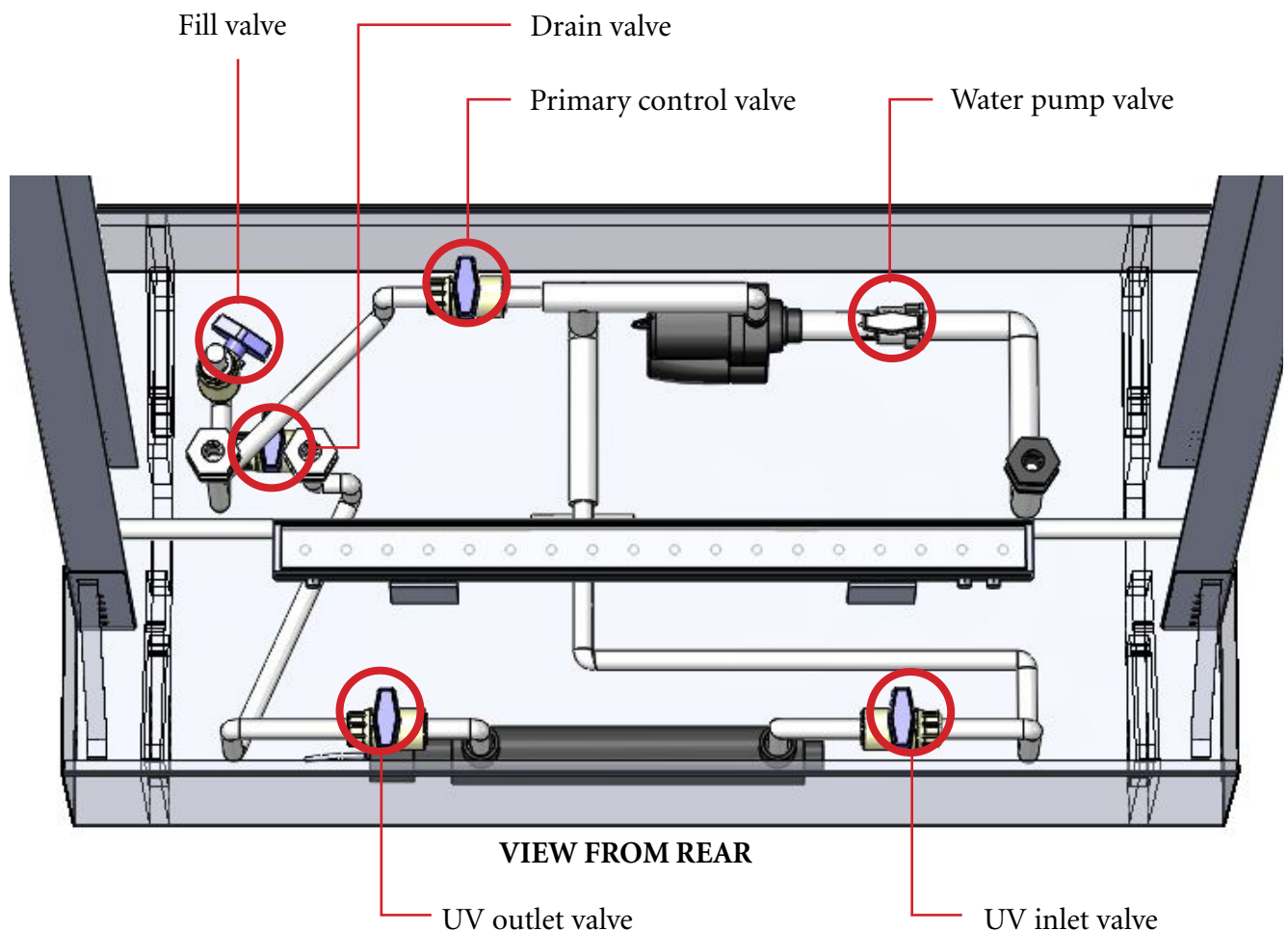
UV inlet valve: Controls the water flow through the UV sterilizer and to the fountain feature at the base of the enclosed panel.

UV outlet valve: Keep open (parallel to pipe) unless you are servicing the UV sterilizer.

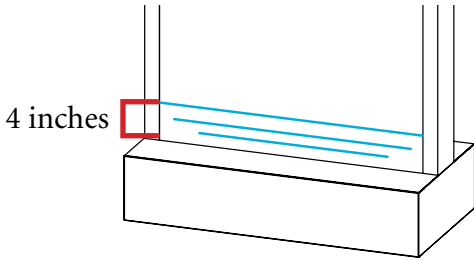
Water pump valve: Keep open (parallel to pipe) unless you are servicing the water pump.

Fill valve: Keep closed (perpendicular to pipe) unless you are filling the waterfall.

Drain valve: Keep closed (perpendicular to pipe) unless you are draining the waterfall.



Troubleshooting

Symptom	Problem	Solution
Uneven water flow	Dry spots on panel	Water flow is too low. Adjust the primary control valve to increase flow to the spray bar.
Pump is loud/ has sucking sound	There is not enough water inside the panel	<p>Fill panel with more distilled water if the water level is less than 4" above the base lid when waterfall is powered on. (See page 8)</p> 
Pump unresponsive	Pump auto start off	<p>Ensure there is enough distilled water in the panel.</p> <p>Without adequate water, the pump will suck in air and produce bubbles or interruptions in the water supply to the header.</p>
Leaking water	Leaking water	<p>Immediately disconnect power to the waterfall.</p> <p>Tighten all disconnect fittings above the spray bar. Check seal at top of enclosed panel and ensure screws are fully tightened.</p>
Lighting unresponsive	Batteries are depleted	Replace batteries in the remote control.
	Signal interrupted	<p>You may be too far away from the light fixture when using the remote control:</p> <ul style="list-style-type: none"> Stand close to the waterfall and aim the remote control downward at the base <p>The base lids may be interrupting the signal:</p> <ul style="list-style-type: none"> Remove base lids before using remote control

Surface Cleaning and Maintenance

Cleaning acrylic

CAUTION

Do not use Windex® or any ammonia-based cleaning product. It will damage the waterfall's acrylic surface.

CAUTION

Use only a clean microfiber cloth to wipe the acrylic surface. Other materials may damage the surface.

Use a clean microfiber cloth to remove blemishes such as fingerprints and dust.

For tougher stains, use:

- Novus acrylic cleaner or
- Dish-detergent-and-water mixture and clean microfiber cloth

We recommend Novus acrylic cleaner, a 3-part product for general cleaning, scratch removing and polishing. Follow package instructions.

Cleaning stainless steel

We recommend Weimans® Stainless Steel Cleaner. Follow package instructions.

Quarterly Water Maintenance

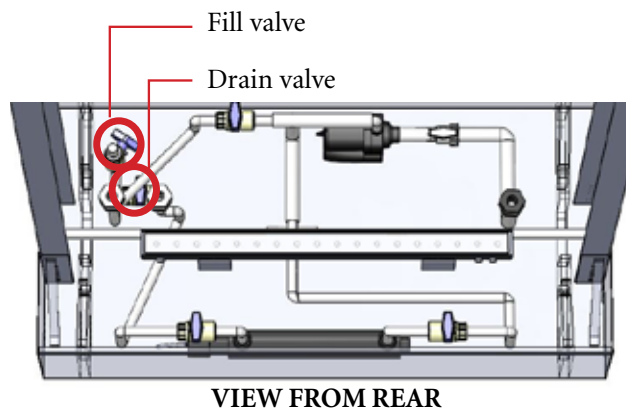
Check water level every three months and refill with distilled water if the water level is less than 4" above the base lid when waterfall is powered on.

REQUIRED

Distilled water is required.
Do not use tap water or spring water.

6-Month Water Maintenance

1. Disconnect the waterfall from power.
2. Ensure the drain valve is closed (perpendicular to pipe).



3. Connect the fill insert spout and funnel (supplied) into the fill valve.
4. Open the fill valve (parallel to pipe).
5. Pour one tablespoon of monopersulfate powdered water treatment into the funnel, which will dissolve as you add the distilled water. We recommend "Robelle Oxidizing Shock & Swim Monopersulfate."
CAUTION: Do not treat with any other additives or solutions including chlorine, bromine, or cleaning solvents/solutions.
6. Use funnel to add distilled water to 10 inches above the bottom of the panel (5 inches above the base lid).
7. Close fill valve before removing funnel and insert. Have towels on hand for any spills.

Yearly Water Maintenance

For optimum performance, replace the water with fresh distilled water and water treatment annually.

REQUIRED

Distilled water is required.
Do not use tap water or spring water.

Drain the
waterfall

1. Disconnect power to the waterfall
2. Prepare buckets for waste water
3. Remove front base lid
4. Connect the drain fitting to the drain insert and tubing (supplied) or to a hose.
5. Open the drain valve (parallel to pipe)
6. Drain the unit by siphoning manually or buying and using a pump.

Add water
treatment and
distilled water

1. Close the drain valve (perpendicular to pipe).
2. See pg 8 for water filling instructions and water quantity.

Yearly component replacement

CAUTION

Disconnect all cables from power when servicing the waterfall.

UV sterilizer bulb
(replace yearly)

Pondmaster® UV Sterilizer

- For optimum performance, replace bulb once every year.
- It should remain on 24 hours per day throughout the year.
- The bulb has a lifespan of 9000 hours before the UV output drops below a useful level.
- The UV sterilizer housing has 3 rings that will glow blue if the bulb is still producing UV wavelength.
- The bulb will produce visible light long after it has stopped producing UV.
- The valves on the UV sterilizer should remain in the on (parallel to plumbing) position until you are ready to change UV sterilizer or service the bulb.

Yearly bulb replacement

You will need: towels, bucket

1. Disconnect power to the waterfall
2. Turn both UV valves to the OFF position (perpendicular to plumbing). This will prevent water from draining from the waterfall while servicing. Water will be inside the UV fixture, so have towels on hand.
3. Loosen the union valves at the ends of the UV to disconnect UV fixture from waterfall.
4. Carefully remove from base and discard the leftover water into a bucket or drain.
5. See instructions on page 7 to replace the UV bulb.



Union valve

ULTRAVIOLET LIGHTING REPLACEMENT PARTS

Model (UPC #)	Output (Watts)	Replacement Bulb (UPC #)	Replacement Quartz Sleeve (UPC #)	Replacement Ballast (UPC #)
02940	40	12974	12984	12996

For replacement parts contact:

Danner Mfg. Inc.

Islandia, New York 11749-1489

(631) 234-5261

www.dannermfg.com or www.amazon.com

Component replacement

Pump
(replace as
needed)

Because you are using distilled water inside of an enclosed waterfall, your waterfall pump requires little maintenance; however should your pump fall outside of warranty, you will need to replace it.

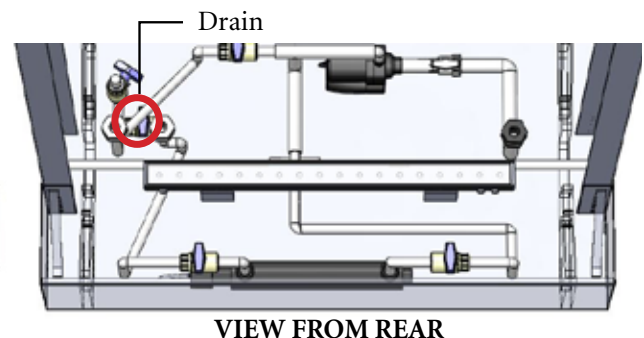
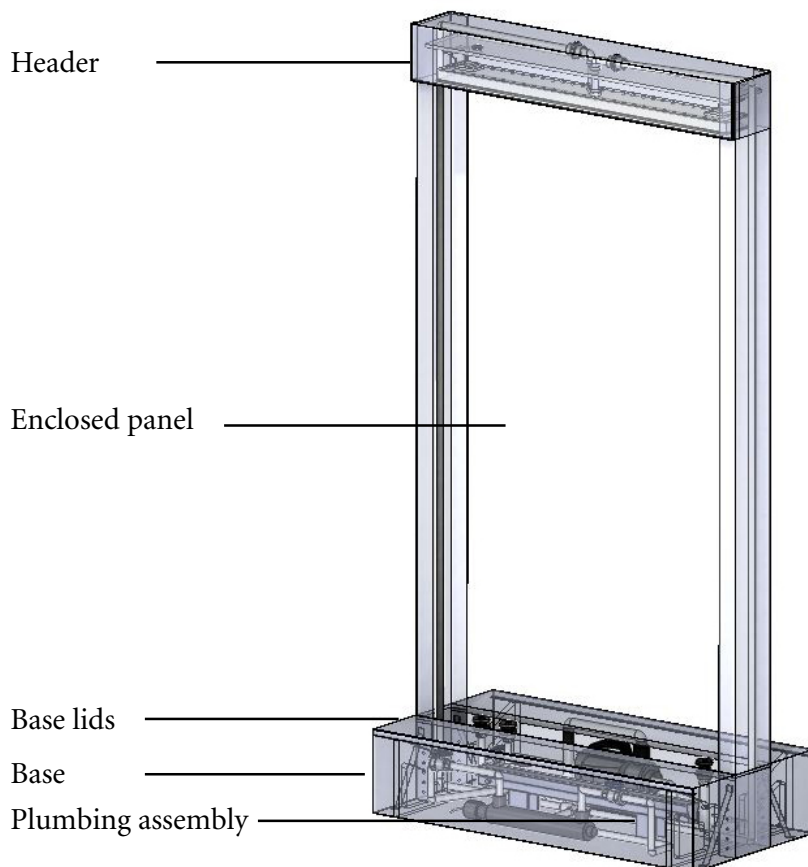
To replace the pump:

You will need: towels, bucket, plumbers tape

1. Disconnect power to the waterfall.
2. Remove front base lid.
3. Turn the primary control and water pump valves to the OFF position (perpendicular to pipe). This will prevent water from draining from the waterfall while servicing. However water will be inside the pump, so have towels on hand.
4. Remove the quick disconnects at the inlet and outlet of the waterfall pump.
5. Carefully remove pump from base and discard the leftover water into a bucket or drain.
6. Remove the plumbing connections and transfer them to the replacement pump.
7. Use plumbers tape on the threads of the new pump before transferring the piping to the new pump.
8. Ensure the piping is tightly threaded onto the new pump before reconnecting to the quick disconnects.
9. Turn the water supply and water pump valves to the ON position (parallel to pipe).
10. Check for leaks around the pump. Tighten fittings.
11. Connect power to the waterfall and test.

Glossary

- **Base**
The stainless steel enclosure that holds the plumbing assembly and optional lighting fixture.
- **Base lids**
The base lids conceal the base. To prevent damage to stainless steel, remove and replace the lids using suction cup glass holders.
- **Header**
The stainless steel cover for the acrylic panel top, spray bar and plumbing components above the waterfall panel.
- **Plumbing assembly**
Includes pump, UV sterilizer, flow control valves, drain fittings, routing.
- **Enclosed panel**
The water-tight reservoir is the focal point of the waterfall.
- **Drain**
Valved connection that releases water from waterfall panel.



Specifications

Enclosed waterfall

- Clear acrylic, enclosed panel waterfall
- Low maintenance unit
- 39" LED color changing RGB lighting with remote control (optional)
- Ultraviolet sterilizer to keep water clean
- Silent pump operation
- No plumbing required

Oase® Profinaut 6000 Waterfall Pump (9 x 5 ft., 10 x 5 ft.)

- Power requirements 120 V / 60 Hz
- Power consumption 720 W

Oase® Neptun 2600 Waterfall Pump (8 x 4 ft.)

- Power requirements 120 V / 60 Hz
- Power consumption 220 W

Pondmaster® UV Sterilizer

- 40 watt output
- Max flow rate to kill bacteria 2000 GPH

39" LED lighting fixture with remote control

- Input power 120/220v
- Power consumption 80 watts
- 18 super bright 3 watt tri-color (3 in 1) LEDs
- Beam angle: 40 degree
- Control mode: receiving IR signal
- Outdoor rated ip65
- Aluminum construction

Enclosed Waterfall

Safety Certifications

Oase® Profinaut 6000 Waterfall Pump

Oase® Neptun 2600 Waterfall Pump

Certification Record

Customer	Class	CSA File Number
OASE GmbH Tecklenburger Strasse 161, Hörstel Germany 48477	<u>3851-81</u> LIQUID PUMPS-Certified to US Standards	215573

- Submersible or non submersible Fountain Pump, grounded, cord connected. All pumps are rated 120 V, 60 Hz
Certified in accordance with: UL 778 fourth ed, Motor Operated Water Pumps, and power and types as indicated below and power and types as indicated below

Model	Current (A)	Q max. (Gph)	Max. Height (feet)
Neptun 2600	2.0	2600	20 ft
Profinaut 6000	6.1	6100	40

Submersible or non submersible Fountain Pump, grounded, cord connected. All pumps are rated 120 V, 60 Hz

Safety Certifications

39" LED lighting fixture
Model # HE-YLL-032-0.5M-ETL



Listing Constructional Data Report (CDR)

1.0 Reference and Address			
Report Number	100816416DAL-001	Original Issued: 29-Aug-2012	Revised: 4-Sep-2012
Standard(s)	UL Standard for Safety for Luminaires, ANSI/UL 1598 and CAN/CSA C22.2#250.0, Third Edition, Issued: Sep 17, 2008, Revised: Jan 11, 2010		
Applicant	Wiedamark LLC	Manufacturer	Guangzhou Huayao Electronics Co. Ltd.
Address	4016 Harry Hines Blvd Dallas, TX 75219	Address	No. 70, Yuangang Road, Tianhe District, Guangzhou 510650, China
Country	USA	Country	China
Contact	Mr. Mark Reed-Walkup	Contact	James Zhong
Phone	(972) 650-1855	Phone	86-020-37089936
FAX	(972) 767-3299	FAX	86-020-37093748
Email	mark@wdmlighting.com	Email	james@highendled.com

Report No. 100816416DAL-001
Wiedamark LLC

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Issued: 29-Aug-2012
Revised: 4-Sep-2012

2.0 Product Description	
Product	LED Surface Mounted Luminaires
Brand name	NA
Description	The products covered by this report are outdoor LED luminaires that are permanently mounted, for wet locations, and supplied by a power cord.
Models	HE-YLL-032-0.5M-ETL, HE-YLL-032-1M-ETL, HE-YHLL-032T-3W-ETL, HE-YLL-032-3W-AW-ETL, HE-YLL-032-3W-RGBW-ETL
Model Similarity	All units are built similarly and differ by the number of LEDs, wattage and length. Units also have up to three integral class 2 LED drivers to power them.
Ratings	120V, 60Hz, and wattage as follows: HE-YLL-032-0.5M-ETL : 15 W HE-YLL-032-1M-ETL : 30 W HE-YHLL-032T-3W-ETL : 56 W HE-YLL-032-3W-AW-ETL : 75 W HE-YLL-032-3W-RGBW-ETL : 100 W
Other Ratings	NA





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Safety Certifications

Pondmaster® UV Sterilizer
Model # UPC 02940



Total Quality. Assured.



[<- Back](#)

Product Description

Title: WATER SOFTENERS & DEMINERALIZERS

Company: E.G. DANNER MFG. INC. - Islandia, NY USA

Product Information: Submersible Ultraviolet Clarifiers, PUV-4000 Filter, Model No. UPC 05045. PUV-2000 Filter, Model No. UPC 05025. PUV-1000 Filter, Model No. UPC 05015. 10W Submersible Clarifier, Model No. UPC 02910. 20W Submersible Clarifier, Model No. UPC 02920. **40W Submersible Clarifier, Model No. UPC 02940.** 80W Submersible Clarifier, Model No. UPC 02980. PFV-2000 Filter, Model No. UPC 05312. PFV-3000 Filter, Model No. UPC 05345. Skimmer UV 10W, Model No. UPC 02915. Skimmer UV 20W, Model No. UPC 02925. Skimmer UV 40W, Model No. UPC 02945.

Evaluated to the following: A representative sample of the listed devices have been tested, investigated and found to comply with the requirements of the Standard(s) for Water Softeners and Demineralizers (UL-979) and are identified with the ETL Listed Mark.

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