

ELEMENT   
**PLUNGE BATHTUB**  
INSTALLATION MANUAL

Thank you for choosing Valley Bath & Kitchen Products. This installation manual provides general information on the installation of our products.

All the information in this guide is based upon the most recent product information available at the time of this publication. Valley Bath & Kitchen reserves the right to make changes to product characteristics, packaging, or availability at any time without notice.

*Thank you for your purchase!*



Please unpack and inspect all parts carefully to make sure they are complete and not damaged. If any parts are damaged or missing, please contact the authorized dealer you purchased the product through.

## BEFORE YOU BEGIN

- Please read these instructions carefully before beginning your installation.
- Consult your local building codes to ensure that your installation complies with local standards.
- Remove the unit from its packaging. Before disposing, packaging and taking unit from your sales person, inspect the unit to make sure it is in good shape.
- Should inspection reveal any damage or defect in the finish, please contact the authorized dealer you purchased the product through. **The warranty does not cover damages or defects in the finish once the unit has been installed.** Valley's responsibility for shipping damages ceases upon delivery of the product in good order to the carrier. All complaints regarding damage due to transport must be made directly to the carrier.
- Please refer to your product's specification sheet and ensure that both your unit and build plan measure match the stated sizes.

To ensure proper setup and operation, it is crucial to read this manual carefully.  
Please reach out to us with any questions.



**ELECTRICITY CAN BE EXTREMELY DANGEROUS. TO PREVENT ACCIDENTS, IT IS ESSENTIAL TO PRIORITIZE SAFETY. PLEASE BE CAUTIOUS WHEN HANDLING ANY ELECTRICAL SYSTEMS.**

ELEMENT+ Plunge Safety Guidelines

### **IMPORTANT SAFETY INSTRUCTIONS**

Please carefully read and adhere to all warnings and guidelines outlined below to mitigate the risk of serious injury or fatality. Retain these instructions for future reference.

#### **USAGE PRECAUTIONS:**

**DANGER:** Prevent Drowning - To prevent drowning, individuals under 18 years of age must not utilize the ELEMENT+ Plunge unless approved by a medical professional and under constant supervision.

**DANGER:** Hypothermia Hazard - Cold water immersion poses a severe risk of hypothermia, potentially fatal. Cease usage immediately and dial 911 if symptoms such as violent shivering, sluggishness, speech impediments, reduced motor skills, blue skin, or irregular heartbeat occur.

**DANGER:** Alcohol and Drug Warning - Never consume alcohol or drugs before or during use, as it significantly heightens the risk of fatal hypothermia, unconsciousness, or drowning.



**DANGER:** Entrapment Risk - The suction fittings are designed to match the pump's water flow. Only operate with intact fittings.

**WARNING:** Consultation Advised - Prior to use, consult a physician if pregnant, suffering from obesity, or with medical conditions such as heart disease, high/low blood pressure, circulatory issues, or diabetes.

**WARNING:** Medication Consultation - Seek medical advice before use if taking medication affecting drowsiness, heart rate, blood pressure, or circulation.

**WARNING:** Infectious Disease Alert - Refrain from using if afflicted with an infectious disease.

**WARNING:** Supervised Usage - Individuals with reduced physical, sensory, or mental abilities, or lacking experience, should only use under supervision.

**WARNING:** Temperature Check - Always verify water temperature with an accurate thermometer before entry. Tolerance of regulating devices may vary by  $\pm 2^{\circ}\text{C}$  ( $5^{\circ}\text{F}$ ).

**WARNING:** Entry and Exit Caution - Exercise caution when entering and exiting the ELEMENT+ Plunge to minimize injury risk.

**WARNING:** Electrical Safety - Unless proficient, avoid servicing the product yourself. Opening the rear cover may expose you to hazardous voltage. For servicing needs, contact a qualified technician.

By adhering to these safety precautions, you can enjoy the benefits of the ELEMENT+ Plunge with confidence and security.

### INSTALLATION AND MAINTENANCE GUIDELINES

**FOUNDATION SUPPORT:** Ensure a sturdy foundation regardless of the installation location. If using patio stones, they should be at least two inches thick and twelve inches square. Despite stones, occasional re-leveling may be necessary due to potential settling.

**DECK INSTALLATION:** Verify your deck's load capacity before placing the ELEMENT+ Plunge. Consult a qualified contractor or structural engineer to avoid exceeding the rated capacity, preventing structural damage. The ELEMENT+ Plunge, when filled, weighs 1,000 lbs.

**FLOORING PROTECTION:** Prior to placement, confirm waterproof or water-resistant flooring to mitigate damage risk.

**POWER ACTIVATION:** Refrain from powering the ELEMENT+ Plunge until it's filled to the required level to prevent immediate damage and voiding of warranty.

**CAUTION:** Water Chemistry Maintenance: Adhere to manual instructions for maintaining water chemistry. Improper maintenance can lead to skin irritation or ELEMENT+ Plunge damage.

### **CRUCIAL HYPOTHERMIA INSIGHTS**

Extended exposure to cold water may induce hypothermia, necessitating a balance between warmth and cooling. Hypothermia occurs when our body's heat loss exceeds heat production, affecting internal temperatures. Four primary heat exchange mechanisms - conduction, convection, radiation, and evaporation - regulate body temperature.

When warming mechanisms like shivering fail to counteract cooling, hypothermia manifests. Symptoms progress through stages:

**MILD HYPOTHERMIA:** Shivering, goosebumps, impaired motor skills.

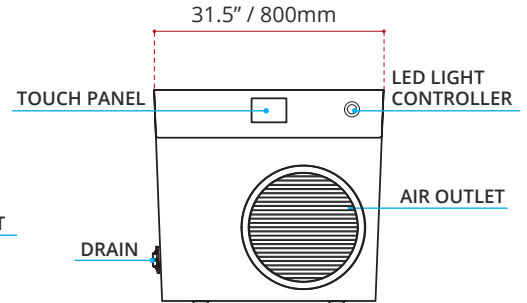
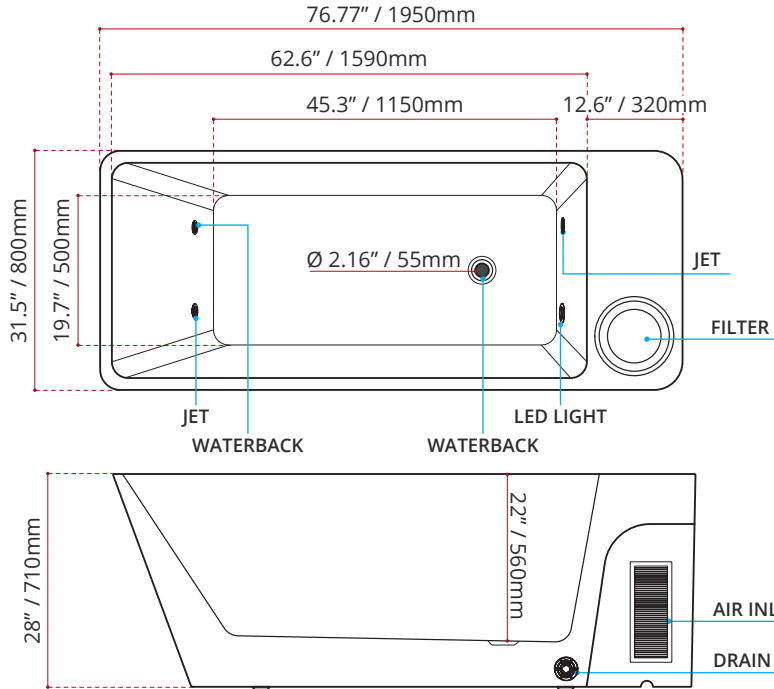
**MODERATE HYPOTHERMIA:** Intense shivering, sluggishness, speech difficulties, impaired fine motor skills.

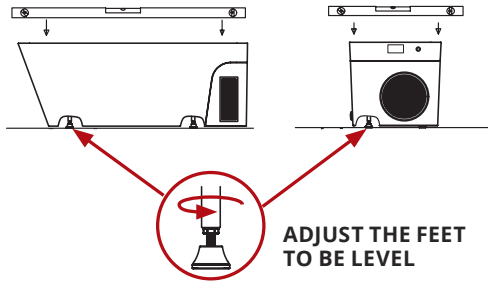
**SEVERE HYPOTHERMIA:** Muscle rigidity, confusion, cessation of shivering, cyanosis, erratic heartbeat, unconsciousness.

Recognizing these signs is crucial for prompt intervention and prevention of severe consequences.

**OUR PLUNGE TUBS WOULD ONLY BE SAFE IN TEMPERATURES DOWN TO -12°C AND ARE NOT ABLE TO SIT IN SNOW AS IT BLOCKS VENTILATION ON THE UNIT.**

VOLTAGE	POWER	CURRENT
110V / 60HZ	1HP	8A

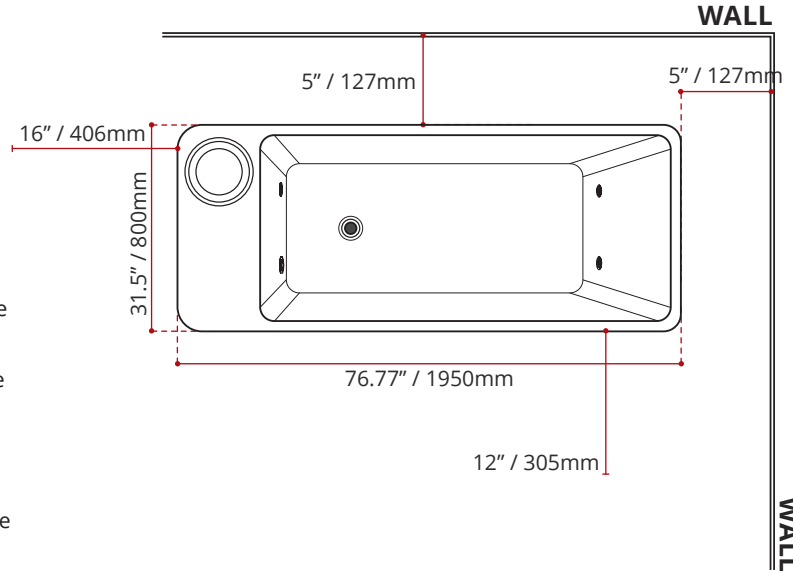




### Step 1: Location Guidelines

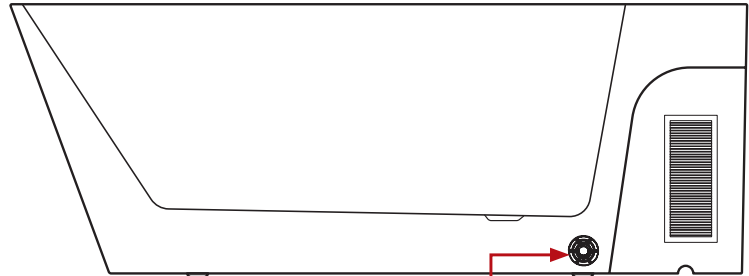
When positioning your Plunge, please follow these guidelines:

- Ensure a minimum clearance of 16 inches on the side housing the component parts.
- Place the Plunge on a level surface that can support at least 544 kg (1,200 lbs).
- Allow at least 12 inches of space on the front side for drain access and 5 inches at the back.
- Maintain approximately 5 inches of clearance from the wall on the opposite end to provide comfortable support for head leaning.



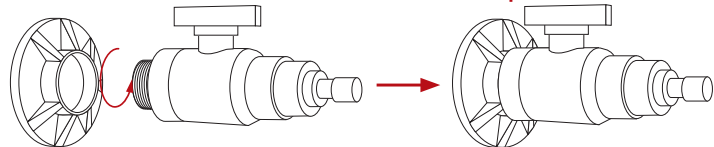
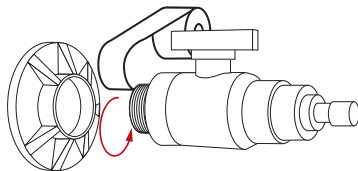
## Step 2: Connect the "Drain connector"

Securely screw the "Drain connector" onto the "Drain" connector on the Plunge.



### 2.1

Wrap the drain connector with the white Teflon tape.



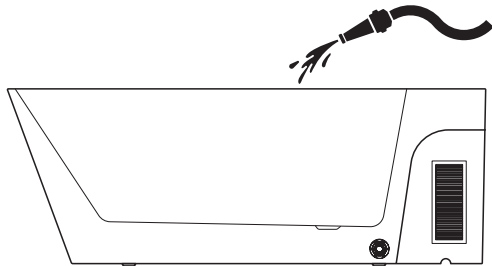


### Step 3: Fill the Plunge

- Proceed to fill the Plunge with water.

#### Recommended water levels:

- **Indoor:** Maintain water level at 4.5" from the top.
- **Outdoor:** Keep water level at 3" from the top.

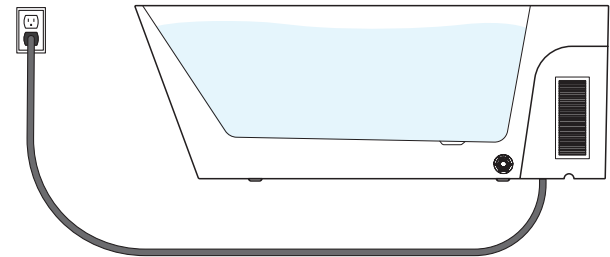


### Step 4: Power Up the Plunge

Once the tub is filled, you can connect your Plunge to a dedicated 120V 15A circuit outlet.

*Note: Allow the Plunge to rest for a minimum of 20 minutes to ensure proper settling of the coolant before plugging it in.*

*Note: If you intend to use an extension cord, ensure it's a 12-gauge cord to provide ample power for distances up to 25 feet.*

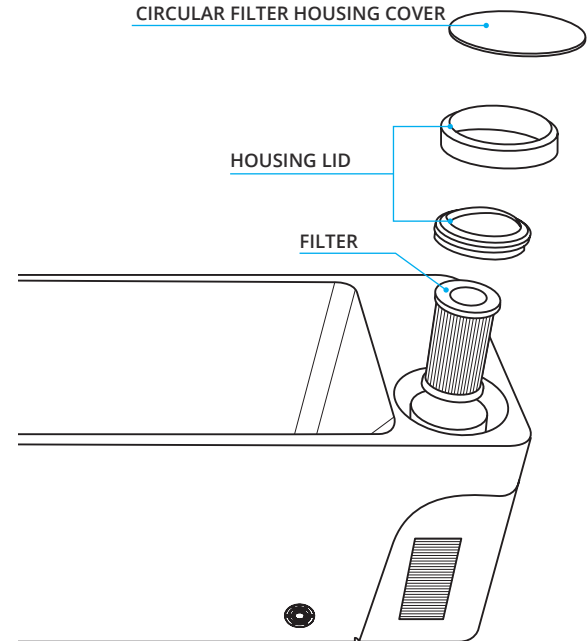


### Changing the ELEMENT+ Filter:

- Pause or turn off your ELEMENT+ and ensure no jets are running.
- Remove the circular filter housing cover by pressing it lightly.
- Replace the dirty filter with a clean one, ensuring it is fully set in the housing. The filter should sit straight, with a gap all around and the nodule fitting into the center hole.
- Check the o-ring at the top of the housing and ensure no debris is present.
- Screw the housing lid back on, hand-tighten only. If there is resistance, recheck the filter placement.

### Frequency:

Every 3 weeks minimum








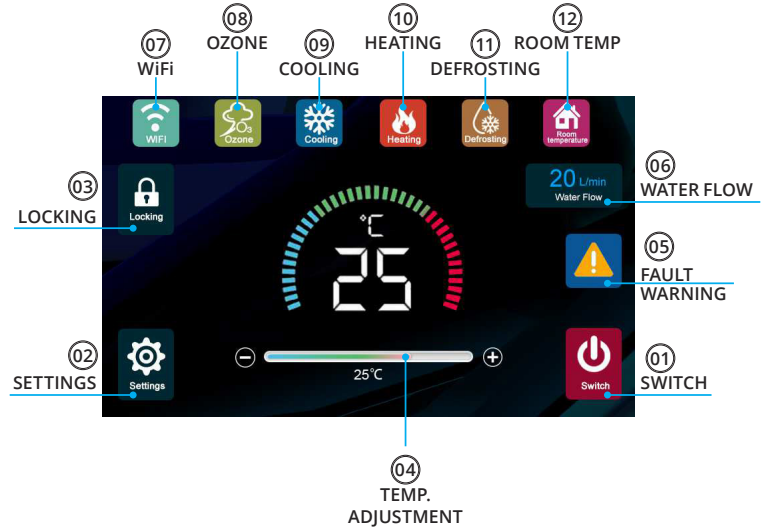
## Touch Panel Introduction

### Status Icons













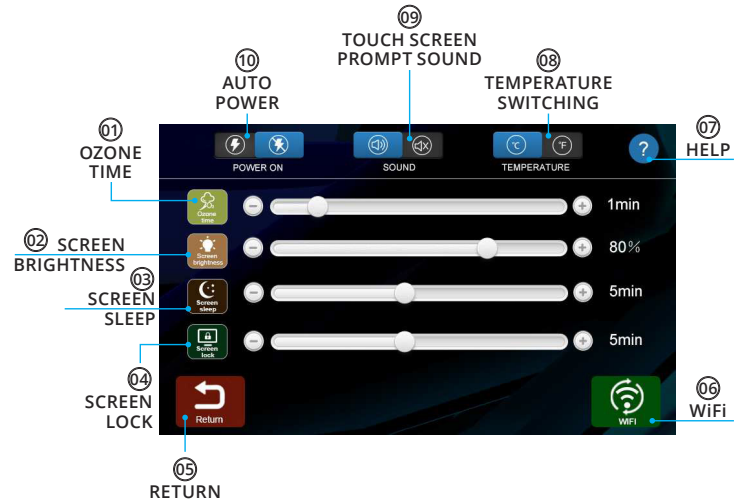
The corresponding icon will only light up when the current function is turned on.

- ① Turn on/off 
- ② Press to enter the second screen 
- ③ Press 3-5 to lock or unlock 
- ④ Press + or - to set the temp 
- ⑤ It will be displayed when there is a failure 
- ⑥ Displays the current water flow



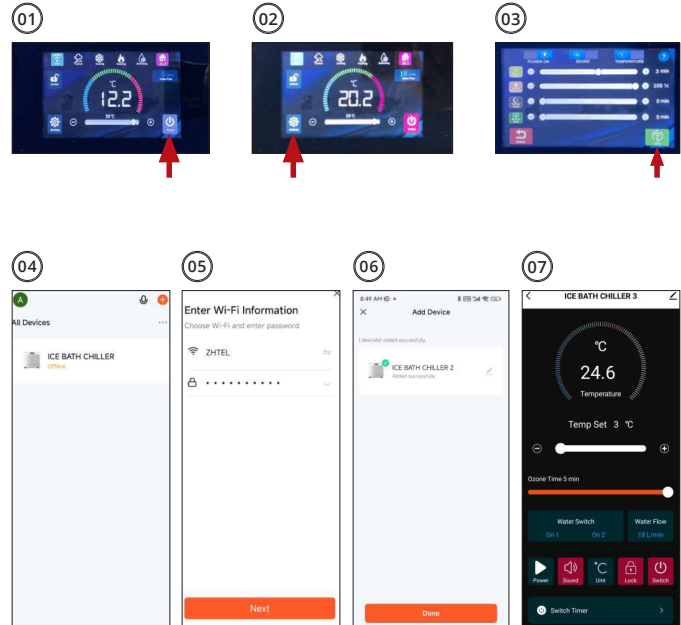
## Touch Panel Introduction

- 01 Adjust the Ozone working time interval:  
0 min (close) and max to 5 min 
- 02 Adjust the screen brightness: min 10%, max 100% 
- 03 Adjust the screen sleep time: 0 min (close), max 5 min 
- 04 Adjust the screen lock time: 0 min (close), max 5 min 
- 05 Click return button to enter the first interface 
- 06 Long press to enter the WiFi function (connect Tuya or Smart Life) 
- 07 Click the help Icon to scan the QR code for technical support 
- 08 Temperature unit switching 
- 09 Adjust the button sound: ON/OFF 
- 010 Power-on automatic operation ON/OFF 











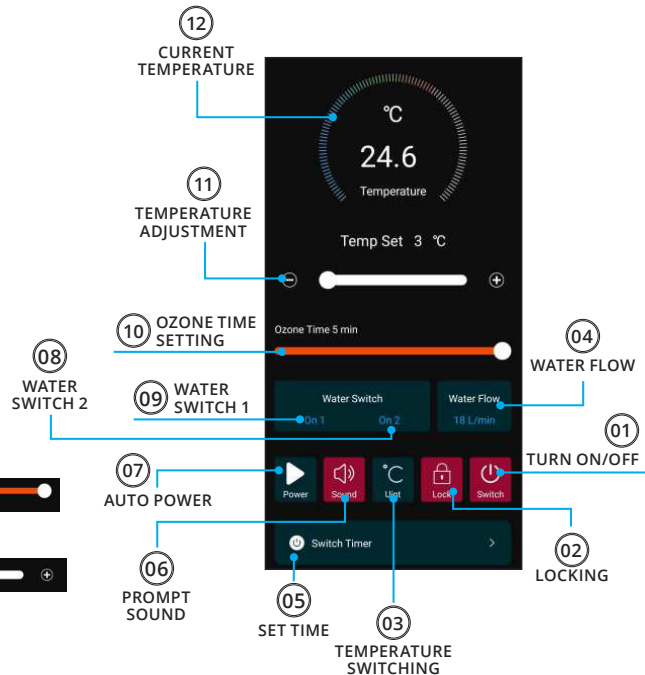
## WiFi Description

- ① Turn on the chiller
- ② Click the settings key
- ③ Press WiFi key for 3-5 seconds until the WiFi blinks
- ④ Open the Tuya Smart App on your phone
- ⑤ Select add device
- ⑥ Turn on your phone's WiFi connection and enter password
- ⑦ Succeeded in adding a link, Enter the App control panel



## Smart Interface

- ① Turn on/off (Turn ON/OFF the chiller) 
- ② Locking (Touch panel lock/unlock) 
- ③ Temperature unit switching 
- ④ Water Flow
- ⑤ Set Time 
- ⑥ Touch screen prompt sound (ON/OFF) 
- ⑦ Power-on automatic operation ON/OFF 
- ⑧ Water Switch1
- ⑨ Water Switch2
- ⑩ Adjust the Ozone working time interval: 0 min (close) and max to 5 min 
- ⑪ Temperature adjustment (3-42°C/37-107°F) 
- ⑫ Current Temperature



## **WATER MAINTENANCE INSTRUCTIONS**

### **Initial Setup:**

1. Add 3 - 4oz (100 cc) of oxidizer to the tub.
2. Wait for 15 minutes.
3. Add 0.75 - 1oz (20cc) of sanitizer to the tub.
4. Wait for 15 minutes.
5. After 15 minutes, it's safe to enter the tub.

### **Weekly Maintenance:**

1. Determine the frequency of use for the tub:
  - a. If used 5 - 7 times per week, add 1 oz of oxidizer.
  - b. If used more frequently, add 2 oz of oxidizer.
2. Wait for 15 minutes.
3. Dip a test strip into the water, 6 inches deep, for 2 seconds.
4. Remove the strip and shake of excess water.
5. Wait 10 seconds, then compare it to the chart on the back of the test strip container.
6. Add sanitizer as necessary.
7. Wait 15 minutes, then test again. Repeat this process if necessary.

### **Monthly Maintenance:**

1. Turn off the chiller and close the tub valves by turning the handles perpendicular to the valve bodies( if applicable). If your tub/chiller doesn't have closable valves, we recommend raising the chiller to be above the water level of the tub, to minimize the amount of water that spills, or you can cap the hose ends with plugs to prevent spills.
2. Remove the water strainer enclosure by twisting it counterclockwise, and check the inner strainer for debris.
3. Remove any foreign materials present, and use a paper towel or brillo pad if necessary.
4. Check the color of the cartridge filter regularly, and replace it when the color gets to a medium tan color, if not before.
5. To access the filter, turn the filter housing to the left if facing the back of the chiller.
6. Wipe down the tub with a wet towel and mild soap.

## WARRANTY

Valley Bath & Kitchen Cold Plunge Chiller have a limited warranty for residential use for a period of 1 year from the original purchase date, against any failure from improper manufacturing defects.

### **Important Warranty Notice:**

Please be aware that damages resulting from freezing conditions or improper water chemistry are not covered under our warranty.

To ensure your unit is covered under warranty, it must be installed using the supplied kit and according to the provided installation guidelines. Any modifications to the unit or deviations from the recommended installation process will void the warranty.

Note: For optimal performance, ensure the distance between your chiller and tub does not exceed 2 metres. A greater distance may require a more powerful pump to maintain proper water flow. Insufficient flow can significantly reduce the cooling efficiency.

We strongly advise using only the recommended pipes to connect the chiller. Poorly sealed or incompatible pipes can introduce air into the system, disrupting the pump's operation. Additionally, inconsistent pipe diameters may compromise water flow, further reducing efficiency.

Failure to adhere to these instructions may lead to chiller malfunction.



## **ENSURE WATER FLOWS CONTINUOUSLY, 24/7, WITHOUT INTERRUPTION.**

Continuous water flow is crucial for three main reasons:

1. **Sanitary Conditions:** Stagnant water poses sanitation risks for the system. Accumulated bio-matter can solidify inside the pipes, necessitating thorough cleaning with hot water. Adherence to the maintenance protocol outlined in the manual is imperative to prevent such issues.
2. **Preventing Damage:** In regions where temperatures drop below freezing, stagnant water can lead to plumbing system damage, including cracks and breaks.
3. **Maintenance in Cold Weather:** During freezing temperatures, it's essential to monitor your Plunge daily to ensure uninterrupted water flow. If your Plunge lacks a heater and the temperature remains below 32°F for 12 hours, it's necessary to drain the Plunge, filter, and chiller to prevent damage.

It's vital to maintain continuous water flow to safeguard the integrity and functionality of your system.

***Congratulations! You are now a part of the Valley Bath & Kitchen family, and an owner of a great product!***