ANZZI®

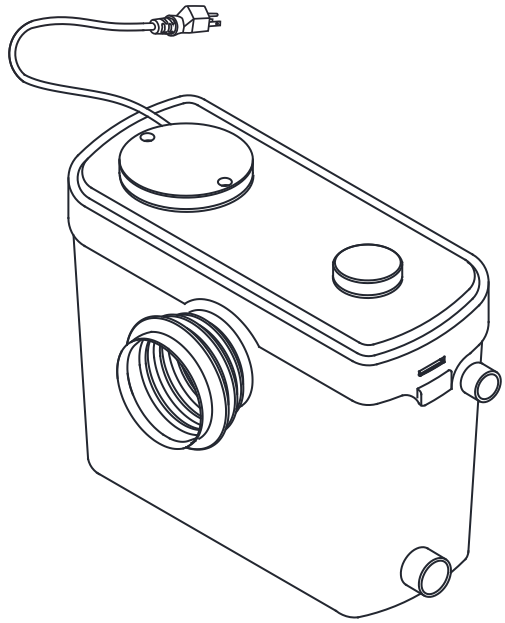
ITEM: TL-AZ600MPWH

ANZZI MACERATOR PUMP

INSTALLATION & OPERATION MANUAL

V1.3

10/15/2026



C ETL LISTED US
Intertek

DON'T WAIT! REGISTER NOW!

Register your product within 90 days to ensure your purchase is recognized and eligible for warranty coverage.

Register online at https://anzzi.com/pages/register or scan the QR code on the next page.

ANZZI®

PRODUCT REGISTRATION*

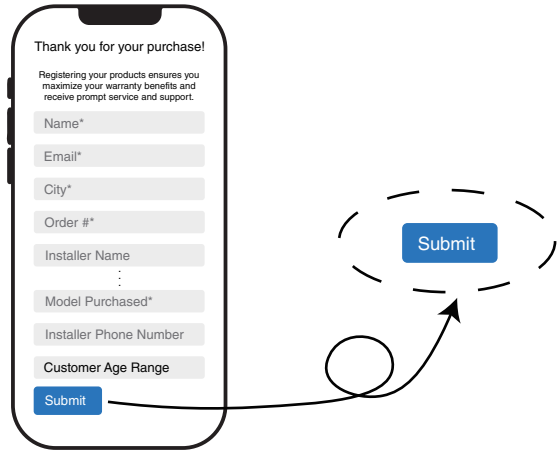
IMPORTANT: Warranty will not be recognized unless product is registered.

Register online at https://anzzi.com/pages/register or Scan the QR code below.
Registering your product maximizes your warranty benefits and ensures prompt service and support.

1 USE YOUR PHONE CAMERA TO SCAN THE QR CODE

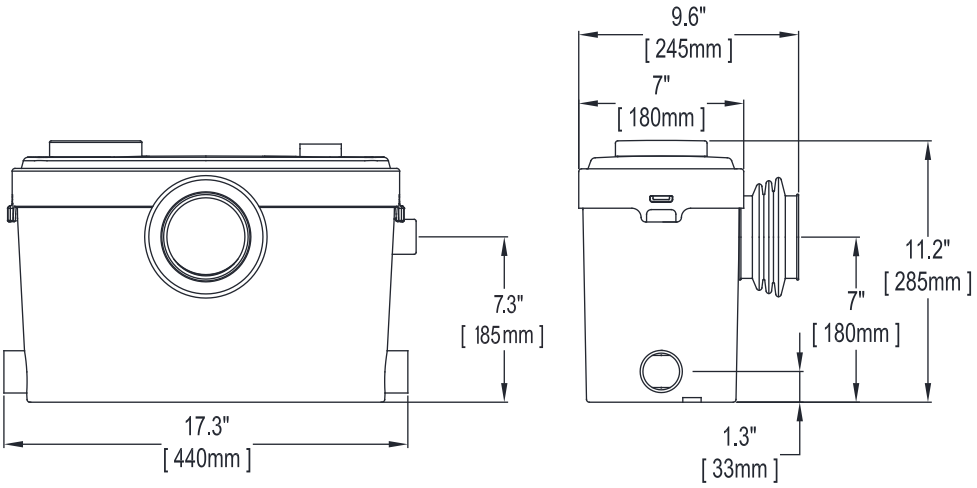
2 FILL IN A QUICK REGISTRATION FORM

3 CLICK SUBMIT AND ENJOY PEACE OF MIND



Need help? For technical support call **305-363-4679** or visit us at **www.ANZZI.com**

PRODUCT SIZE CHART



TOOLS AND MATERIALS



Screwdriver



Drill



Ø1/4"
(6mm)
Drill bit

Thank you for purchasing ANZZI MACERATOR PUMP. Please read and follow the installation and operation instructions carefully, to ensure the long life and reliable operation of this appliance.
FAILURE TO DO SO COULD CAUSE PROPERTY DAMAGE, SERIOUS INJURY, OR DEATH. Please keep this manual for future reference.

TABLE OF CONTENTS

SAFETY PRECAUTIONS---------- **PG.1**

DISCHARGE DISTANCE ---------- **PG.3**

INSTALLATION GUIDELINE---------- **PG.3**

INSTALLATION ---------- **PG.6**

GUIDELINE FOR FIRST USE---------- **PG.9**

CLEANING & MAINTENANCE---------- **PG.10**

LONG-TERM PRESERVATION---------- **PG.11**

TROUBLE SHOOTING ---------- **PG.11**

SAFETY PRECAUTIONS

Please carefully read the safety precautions before installation. This is important and must be observed.

DANGER

Only connect to a Ground-Fault Circuit-Interrupter(GFCI) protected grounded socket. Do not remove the ground pin or use a ground adapter.

Otherwise, electric shock will be caused by fault or short circuit.

WARNING

- Disconnect power before installing or servicing macerator pump.
- Check with a qualified electrician or serviceman if you are in doubt as to whether the appliance is properly grounded.
- The installation must be in compliance with the National Electrical Code, your local electrical and plumbing codes.
- If the supply cord is damaged, it must be replaced by a cord assembly available through Customer Service. We strongly reconmmend you contact qualified electrician to replace it.
- This macerator pump is designed for the disposal of human waste, toilet paper and water. The liquid temperature should not over 113°F(45°C) and the PH value should be 4 to 10.
- This macerator pump is not intended to be used for the disposal of kitchen waste or from pump appliances such as a dishwasher or washing machine. Installed and used correctly, this system will give consistent and reliable service. The pumping of liquids containing other material may void warranty.
- This macerator pump must not pump:
  - Strong chemicals or solvents.
  - Objects such as plastic, cardboard, sanitary towels, diapers, hair, tampons, metal objects (clips, hair pins etc.), stones, building materials, floor cloths and condoms, sanitary pads, cottons swabs. Basically, anything other than waste water and feces from sink or toilet.
- The pump station must be protected against water splashes or submersion in accordance with regulations.
- This appliance is forbidden to be switched on if you think it may be frozen, as this could result in serious damage to the unit. Wait until you are sure that it has completely thawed out before you switch it on.
- If this appliance has been subjected to flood, fire, or physical damage, turn off power. Do not use it until it has been thoroughly checked by qualified service personnel.

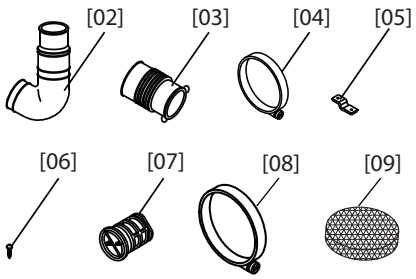
SAVE THESE INSTRUCTIONS.
CONSERVEZ CES INSTRUCTIONS.

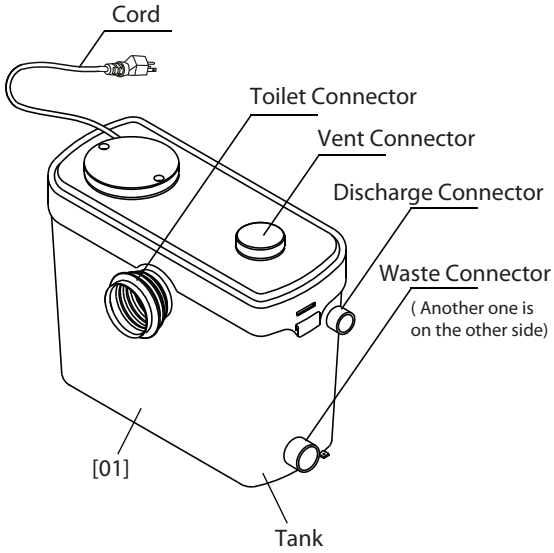
SAFETY PRECAUTIONS

ATTENTION

- The macerator pump unit is a residential pumping system for a toilet and bathroom fixtures. It can simultaneously receive wastewater from sanitary fixtures such as a sink, shower, bathtub but only one toilet per unit.
- This system must discharge into a minimum 1" sanitary drain pipe. If the appliance or the supply cord is damaged, it must be repaired by manufacturer, or its service agent, or a qualified personnel.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory, or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance. Cleaning and user maintenance shall not be done by children.

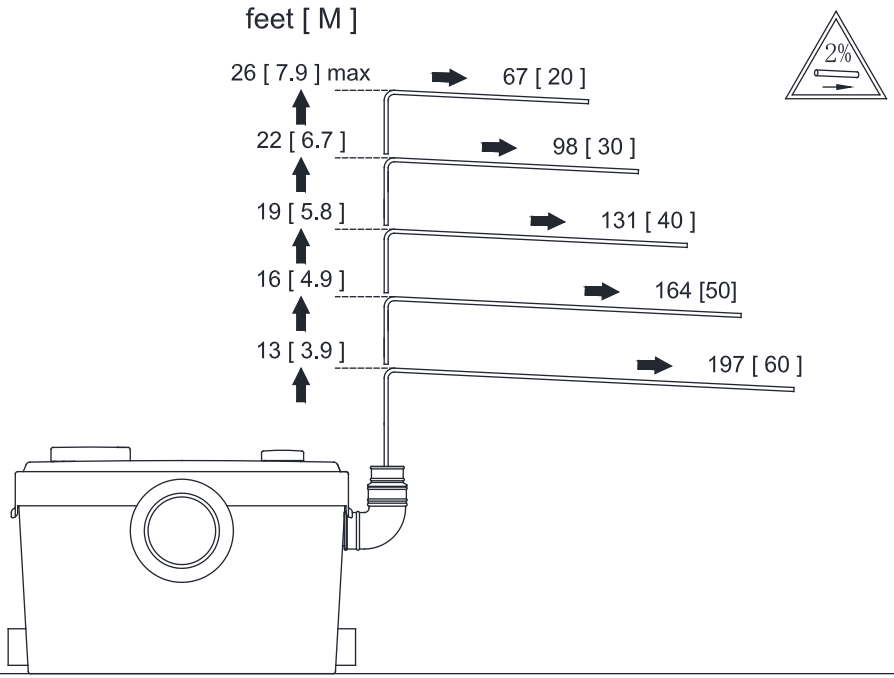
COMPONENTS





Part	Description	Qty.
[01]	Macerator Pump	1
[02]	Discharge Elbow	1
[03]	Rubber Connector	3
[04]	Clamp 1	8
[05]	Anchor	2
[06]	Screw	2
[07]	Plug	2
[08]	Clamp 2	1
[09]	Filter	2

DISCHARGE DISTANCE



INSTALLATION GUIDELINE

- The installation must be carried out according to local regulations and the provided installation instructions.
- We highly recommend that you employ the services of a professional to assist you with this installation if you are not familiar with basic plumbing and electricity. Under no circumstances should you attempt to install, repair or disassemble the macerator pump without first disconnecting the electricity.
- All discharge pipe work must be connected to the soil stack by an appropriate and approved connection (a “wye” fitting is preferable). Note that the connection into a horizontal soil stack shall be through the top of the pipe.
- The macerator shall be positioned on the same level and right behind the toilet or further away using the optional extension pipe.

INSTALLATION GUIDELINE

- Any drain pipe leading into the pump shall have a minimum 1/4" per foot gravity fall. Any horizontal discharge pipe shall also have this minimum pitch.

- The discharge pipe work should not be installed with a diagonal upward slope.

- Please ensure that all connections are tightened.

- The macerating unit integrated with filter in the vent connector. You could choose the filter instead of connecting to vent pipe. The filter is made of activated carbon. One filter is preinstalled in the vent connector. You could connect the macerator pump to a vent system according to your local plumbing codes. Warning: We suggest replacing the filter within 6 - 10 months. Remove the filter when connecting the pump to a vent pipe. Do not use an air admittance valve or a mechanical spring-loaded venting device, as these devices are one-way valves. The air pressure in and outside the macerating unit must be equal.

- The discharge pipe must be taken above the back-flow lever (i.e. main sewer level). The pipework from this point must be made with pipe sizes of 1" PVC (32 mm outside diameter) or 1-1/4" PVC (39 mm outside diameter).

- All wiring should be in accordance with the applicable electrical code in your state. The macerating system requires a single-phase 115-volt, 15 amp. supply. When installed in a bathroom, the receptacle should be 40 inches away (in a straight line) from a shower or bathtub. Connect only to a receptacle protected by a Ground-Fault Circuit - Interrupter (GFCI).
  Warning: Risk of electric shock - this pump is supplied with a grounding conductor and grounding type attachment plug to reduce the risk of electrical shock. Be certain that it is connected only to a properly grounded-type receptacle.

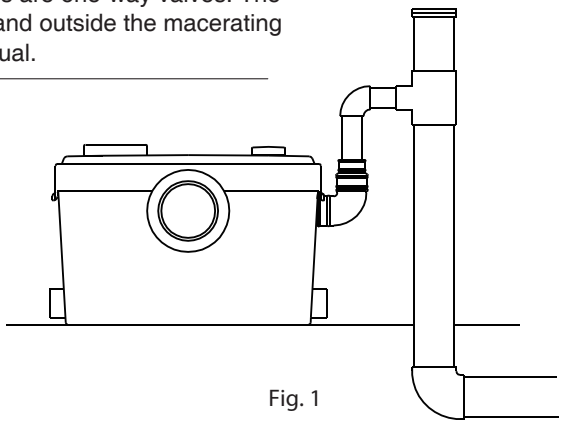


Fig. 1

- If the last pipe section after a horizontal discharge pipe is vertical, it must be two sizes bigger than the horizontal pipe. (Fig.1)

INSTALLATION GUIDELINE

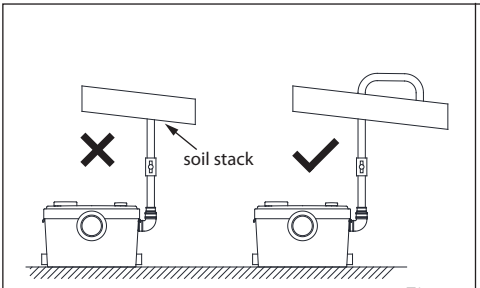
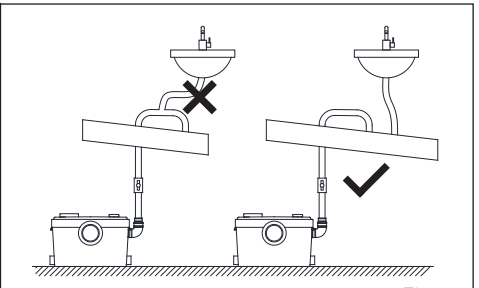


Fig. 2


Fig. 3

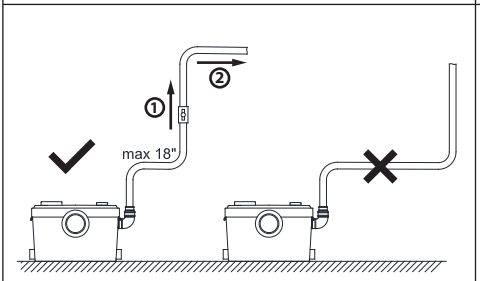
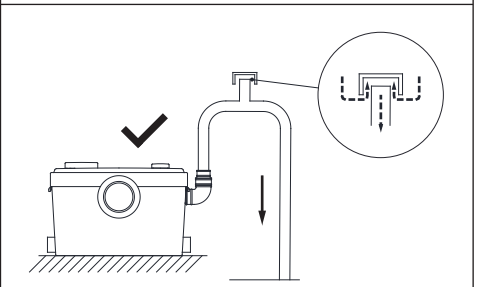


Fig. 4


Fig. 5

a. Connect the discharge pipe to the soil stack as the figure shows.(Fig 2)

b. The discharge pipe from the macerating system shall be an independent line as no other drain pipe shall tie into it. (Fig 3)

c. Any initial horizontal pipe run from the unit, prior to the vertical lift, should not exceed 18 inches.(Fig 4)

d. If the discharge pipe is more than 32.8 feet long, a pipe one size bigger must be used after 32.8 feet, for example: use a 1" nominal size pipe for the first 32.8 feet and then 1-1/4" nominal size pipe after that.

e. When the point of discharge into the soil stack is lower than the base of the unit, a vacuum relief valve may need to be fitted at the highest point of the pipe run in order to avoid siphonage.(Fig 5)

INSTALLATION

1

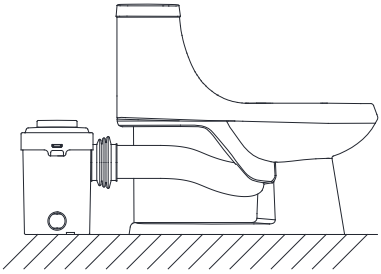


Fig. 6

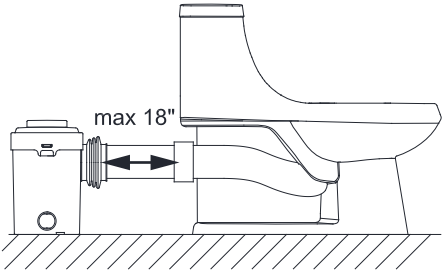


Fig. 7

STEP 1:
Position the **Macerator Pump [01]** in the desired spot. (Fig 6 & Fig7)
Note: The **Macerator Pump [01]** shall be positioned on the same level and adjacent to the toilet. To avoid undue noise, this unit can be placed at a distance of 0.4 inch from the wall.

2

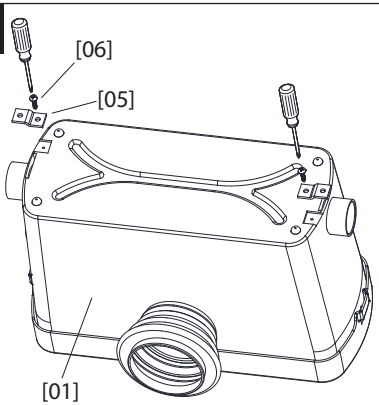


Fig. 8

3

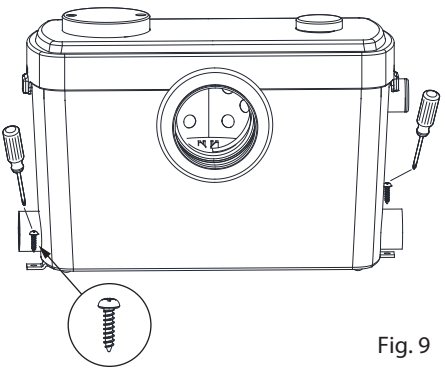


Fig. 9

STEP 2:
Secure the **Anchor [05]** to **Macerator Pump [01]** by **Screws [06]**.

STEP 3:
Secure the **Macerator Pump [01]** by #8 Phillips pan head self-taping screws (not provided). Plastic anchors(not provided) would be needed for concrete floor.

INSTALLATION

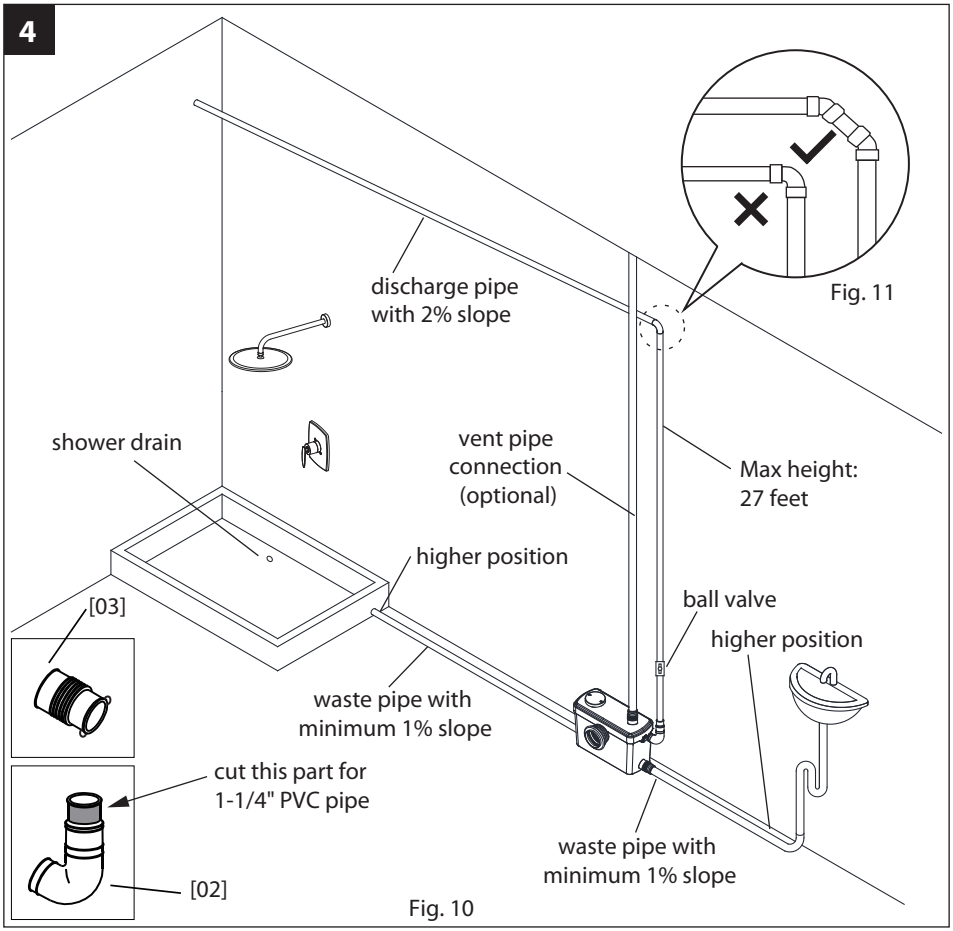


Fig. 10

STEP 4-1:

a. Insert the larger end of the **Discharge Elbow [02]** to the **Discharge Connector** of the pump.(Fig 10)

b. Rotate the **Discharge Elbow [02]** to vertical direction and pointed upwards. Secure the **Discharge Elbow [02]** on the connector with a **Clamp 1 [04]**.(Fig 10)

c. Connect the 1" nominal size PVC(32 mm outside diameter) discharge pipe to the other end of the **Discharge Elbow [02]** and secure with a **Clamp 1 [04]** or cut the smaller step of **Discharge Elbow [02]** to connect the 1-1/4" nominal size PVC (39 mm outside diameter) discharge pipe.(Fig 10)

Note: Install a ball valve in the discharge line in order to facilitate the removal of the unit. If you want the unit to pump vertically and horizontally, you may calculate that 3 Ft of vertical lift is equivalent to 30 Ft of horizontal run. Note that all horizontal runs require a minimum 1/4" per foot gravity fall. Each bend or change in direction causes minor losses which must be deducted from the discharge performance(i.e. reduce discharge height by 3 Ft for each 90 degree turn). Use long sweeping 90 degree elbows or two 45 degree elbows back-to-back to create the 90 degree turn.(Fig 11) Do not use 90 degree elbows.

INSTALLATION

STEP 4-2(optional vent pipe connection):
a. Remove the cap and filter from the **Vent Connector**. Insert the larger end of the **Rubber Connector [03]** to the **Vent Connector** of the pump and secure with **Clamp 1 [04].** (Fig 10)

Note: Push the clamp to the bottom of **Rubber Connector [03]** until it is tightened.

b. Connect the 1-1/4" nominal size PVC (39 mm outside diameter) pipe to the other end of the **Rubber Connector [03]** and secure with a **Clamp 1 [04].**

Warning: Do not use an air admittance valve or a mechanical spring-loaded venting device, as these devices are one-way valves. The air pressure in and outside the macerating unit must be equal.

STEP 4-3:
a. Insert the larger end of the **Rubber Connector [03]** to the **Waste Connector** of the pump and secure with **Clamp 1 [04].**(Fig 10)

b. Connect the 1-1/4" nominal size PVC (39 mm outside diameter) pipe to the other end of the **Rubber Connector [03]** and secure with a **Clamp 1 [04]**.(Fig 10)
Note: The actual distance between the p-trap of the additional fixture and the macerating unit determines the necessary clearance to install the p-trap and elevation required to ensure a minimum gravity flow of 1/4" per foot.
The waste collective point of shower(see Fig 10) must be positioned above the highest possible water lever (7.09").
For this reason, the construction level (base) of the shower basin must lie at least 7.09" higher than the construction level of the **Macerator Pump [01].**

5-1

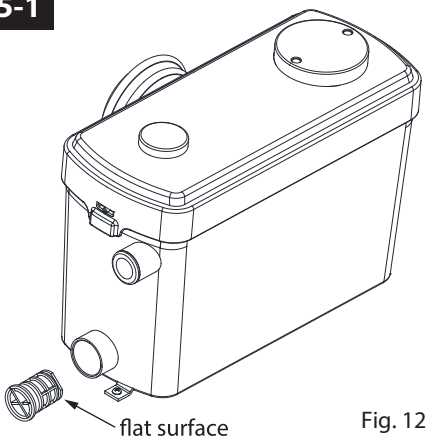


Fig. 12

5-2

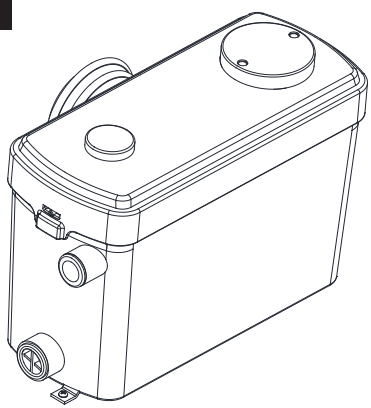


Fig. 13

STEP 5:
When using one side **Waste Connector** or not using at all, please use the **Plugs [07]** to seal them. Lubricate the grease on the seal rings of plugs first. Then adjust the flat surface of the **Plugs [07]** to a level position, push it into the **Waste Connector** until it stop and turn 90° counter-clockwise to finish the installation.

INSTALLATION

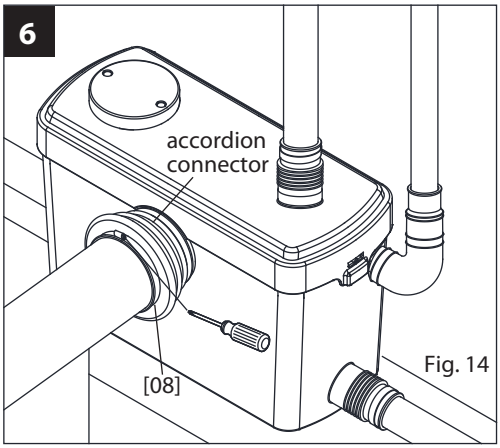


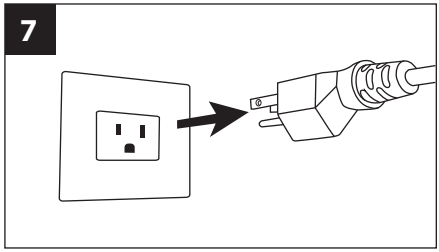
Fig. 14

STEP 6:

a. Place the spigot outlet of the toilet bowl firmly against the white **accordion connector** and mark the floor through the holes in the bowl.
b. Remove bowl and bore two holes approximately according to the size of the screws. Insert plastic plugs into holes. If the floor is wood, bore a pilot hole only.
c. Place the bowl in front of the **Macerator Pump [01]** and pull the **accordion connector** all the way onto the rear spigot outlet. Attach with supplied **Clamp 2 [08]**. Check that **accordion connector** and **Clamp 2 [08]** are even all around.
d. Secure the toilet according to the toilet's manual.

STEP 7:

a. Connect the **Macerator Pump [01]** cord to 110-120 volt, 60 Hz AC current only.
b. This **Macerator Pump [01]** is equipped with a factory installed plug-in cord with a three prong grounding plug. If a 110-120 volt, 60 Hz AC grounding outlet is not available, have a proper outlet installed by a qualified electrician.
c. Outlet must be installed in accordance with local electrical codes.



GUIDELINE FOR FIRST USE

1. Ensure that the toilet is free of building debris prior to activating.
2. Open the faucet and let the tank of macerator pump filled up.
3. Ensure the power supply is on.
4. This macerator pump is equipped with a water level switch for automatic start and stop of the pump. Flush the toilet and check that the pump starts and stops correctly.
5. Check that all pipes and connections are tight.
6. If the pump starts, the macerator pumps is ready for use.
7. If the pump does not start, don't flush the toilet again. And check all the connection and installation is correct.
8. The normal domain of application of ANNZI macerator pumps only concerns the disposal of human waste, toilet paper and water.

GUIDELINE FOR FIRST USE

WARNING

- Do not discharge any acids, alkaloids, solvents painting, paint strippers, food waste,plastic bags, metal such as nails, hairpins, wood, building materials, kitty litter or anything that could halt or damage or corrode the unit.
- Do not hang bleach blocks or hydrochloride cleaners in the toilet tank. These solutions have been shown to deteriorate the plastic and neoprene components of the flush and fill valves, and may cause leaks.
- Disregarding the above might damage the macerator pump and shall void your warranty.
- In the event of a power loss do not use the toilet or any other sanitary fixture connected to the macerator pump since it will not work until the power is restored.
- No parts or labor are warranted when a breakdown occurs due to freezing. Ensure that there are no faucets left open. Drops will eventually fill up the pump and as a result, the motor will activate repeatedly.

CLEANING & MAINTENANCE

- The toilet works as a conventional flushing toilet and needs no maintenance in normal use. However, there is nothing wrong with cleaning out the macerator pump once a year. Use lime and scale remover where hard water is present. Do not use bleach (Be careful not to let water enter the electrical cord opening).
- In areas, which are prone to freezing, the total system must be properly winterized. This includes the draining of all pipes, the toilet tank, bowl and the macerating tank. The macerating system is simple to winterize. Pour a jug of plumber's antifreeze into the tank and flush the toilet. This will cause the macerating unit to activate and all remaining water will be replaced by plumber's anti-freeze.

- **CLEANING**

  For systems which are used rarely, occasional internal cleaning is recommended which is performed as follows:

  1. Unplug the unit or switch off the power source.
  2. Put detergent into the toilet bowl and flush.
  3. Let the detergent work for approximately five minutes.
  4. Plug in the unit or switch on the electricity supply and flush the toilet.
  5. When this pump has finished pumping, flush once again to finish the cleaning.

LONG-TERM PRESERVATION

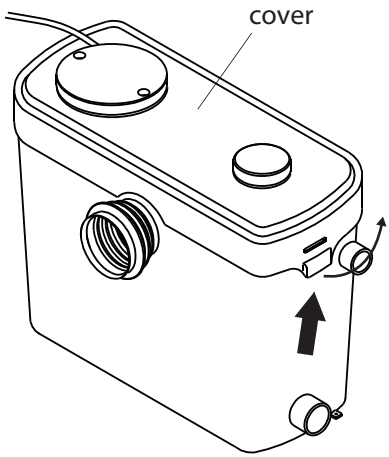
Whenever the unit is not to be used for long periods of time (vacation, power failure, maintenance, etc.) turn off the water supply to the tank and flush twice with clean water and turn off the water supply to all units connected.

TROUBLE SHOOTING

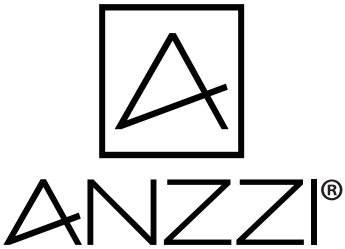
- Abnormal sound from the macerator pump:
  a. There may be something gets clogged in the pump. Turn off the power, remove the vent pipe connection. Then pry open the cover to clean the tank.

  b. Close the cover again. When closing the cover, make sure to grease or lubricate the cover seal between the cover and the tank with soapy water or dish soap. The seal must be inserted on the edge of the tank. Once you have the cover almost in place, work yourself around the cover, tapping down on the cover with a rubber mallet or block.

  Warning: Do not attempt to remove the object with your hand, use pliers for this purpose.



SAVE THESE INSTRUCTIONS.
CONSERVEZ CES INSTRUCTIONS.


ANZZI®