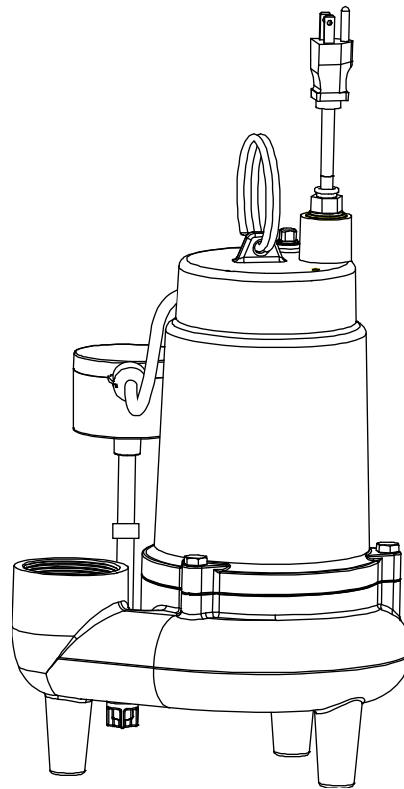


USE AND CARE GUIDE

SUBMERSIBLE SEWAGE PUMP



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Rev. 05/20/17

THANK YOU

We appreciate the trust and confidence you have placed in Everbilt through the purchase of this submersible sewage pump. We strive to continually create quality products designed to enhance your home. Visit us online to see our full line of products available for your home improvement needs. Thank you for choosing Everbilt!

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Performance

SKU	HP	GPH of Water @ Total Feet Of Lift				Max. Lift
		0 ft.	5 ft.	10 ft.	15 ft.	
1001194470	1/2	8700	7500	6000	3900	20 ft.

Safety Information



DANGER: Do not pump flammable or explosive liquids such as oil, gasoline, kerosene, ethanol, etc. Do not use in the presence of flammable or explosive vapors. Using this pump with or near flammable liquids can cause an explosion or fire, resulting in property damage, serious personal injury, and/or death.



DANGER: ALWAYS disconnect the power to the pump before servicing.



DANGER: Do not touch the motor housing during operation. The motor is designed to operate at high temperatures. Do not disassemble the motor housing.



DANGER: Do not handle the pump or pump motor with wet hands or when standing on a wet or damp surface, or in water before disconnecting the power.



WARNING: Release all pressure and drain all water from the system before servicing any component.



WARNING: Secure the discharge line before starting the pump. An unsecured discharge line will whip, possibly causing personal injury, and/or property damage.



WARNING: Extension cords may not deliver sufficient voltage to the pump motor. Extension cords present a life threatening safety hazard if the insulation becomes damaged or the connection ends fall into water. If receptacle is not within reach of the pump's power cord, contact a qualified licensed electrician to install a new receptacle.



WARNING: Wear safety goggles at all times when working with pumps.



WARNING: This unit is designed only for use on 115 volts (single phase), 60 Hz, and is equipped with an approved 3-conductor cord and 3-prong grounded plug. Do not remove the ground pin under any circumstances. The 3-prong plug must be directly inserted into a properly installed and grounded 3-prong, grounding-type receptacle. Do not use this pump with a 2-prong wall outlet. Replace the 2-prong outlet with a properly grounded 3-prong receptacle (a GFCI outlet) installed in accordance with the National Electrical Code and local codes and ordinances. All wiring should be performed by a qualified electrician.



WARNING: Protect the electrical cord from sharp objects, hot surfaces, oil, and chemicals. Avoid kinking the cord. Do not use damaged or worn cords.



WARNING: Failure to comply with the instruction and designed operation of this unit may void the warranty. ATTEMPTING TO USE ADAMAGED PUMP can result in property damage, serious personal injury, and/or death.



WARNING: Ensure that the electrical circuit to the pump is protected by a 15 Amp fuse or circuit breaker.



CAUTION: Do not lift the pump by the power cord.

Safety Information (continued)



CAUTION: Know the pump and its applications, limitations, and potential hazards.



CAUTION: Secure the pump to a solid base. This will aid in keeping the pump in a vertical orientation. This is critical in keeping the pump operating at maximum efficiency. It will also help prevent the pump from clogging resulting in premature failure.



CAUTION: Periodically inspect the pump and system components to ensure the pump suction screen is free of mud, sand, and debris. Disconnect the pump from the power supply before inspecting.



CAUTION: Follow all local electrical and safety codes, along with the National Electrical Code (NEC). In addition, all Occupational Safety and Health Administration (OSHA) guidelines must be followed.



IMPORTANT: Ensure the electrical power source is adequate for the requirements of the pump.



IMPORTANT: This pump is made of high-strength, corrosion-resistant materials. It will provide trouble-free service for a long time when properly installed, maintained, and used. However, inadequate electrical power to the pump, dirt, or debris may cause the pump to fail. Please carefully read the manual and follow the instructions regarding common pump problems and remedies.



IMPORTANT: The motor of this pump has a thermal protector that will trip if the motor becomes too hot. The protector will reset itself once the motor cools down and an acceptable temperature has been reached. The pump may start unexpectedly if it is plugged in.

Warranty

The manufacturer warrants the products to be free from defects in materials and workmanship for a period of one year from date of purchase. This warranty applies only to the original consumer purchaser and only to products used in normal use and service. If within one year this product is found upon examination by the manufacturer to be defective in materials or workmanship, the manufacturer's only obligation, and your exclusive remedy, is the repair or replacement of the product at the manufacturer's discretion, provided that the product has not been damaged through misuse, abuse, accident, modifications, alterations, neglect or mishandling. Your original receipt of purchase is required to determine warranty eligibility.

The purchaser must pay all labor and shipping charges necessary to replace the product covered by this warranty.

This Limited Warranty does not cover products which have been damaged as a result of an accident, misuse, abuse, negligence, alteration, improper installation or maintenance, or failure to operate in accordance with the instructions supplied with the products, or operational failures caused by corrosion, rust, or other foreign materials in the system.

Requests for service under this warranty shall be made by returning the defective product to the manufacturer as soon as possible after the discovery of any alleged defect. The manufacturer will subsequently take corrective action as promptly and as reasonably possible.

The manufacturer does not warrant and especially disclaims any warranty, whether express or implied, of fitness for a particular purpose, other than the warranty contained herein. This is the exclusive remedy and any liability for any and all indirect or consequential damages or expenses whatsoever is excluded.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

For Professional Technical Support call 1-844-241-5521 or visit HOMEDEPOT.COM.

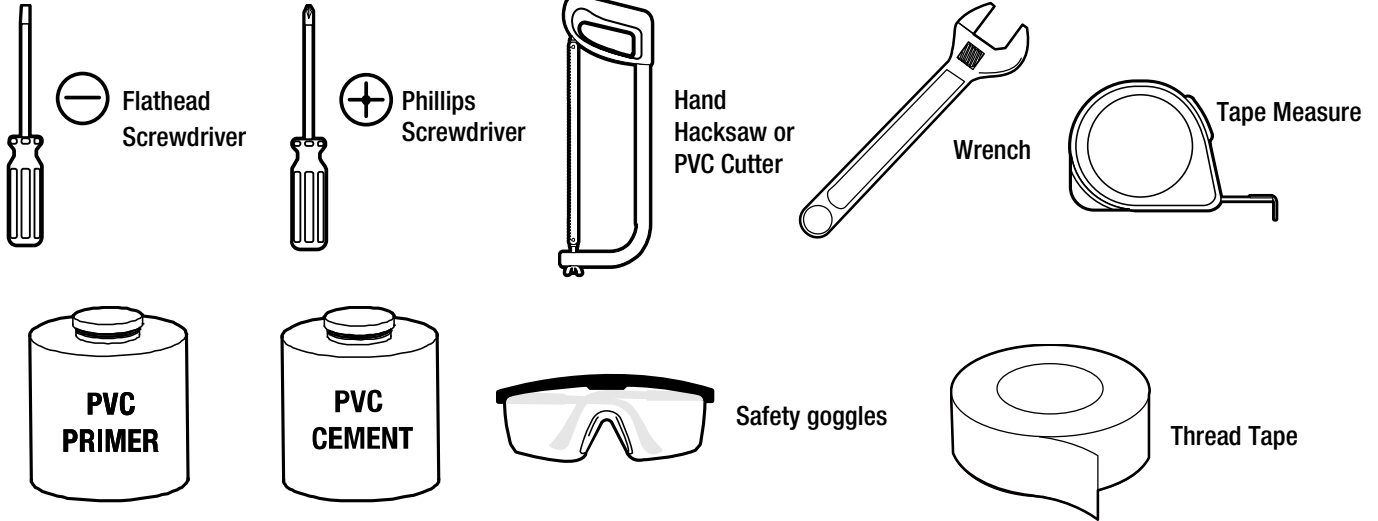
For warranty registration please go to www.gppumpsus.com

Pre-Installation

APPLICATION

- This submersible sewage pump is designed for pumping sewage, effluent, wastewater or flooded water with up to 2 inch solids.

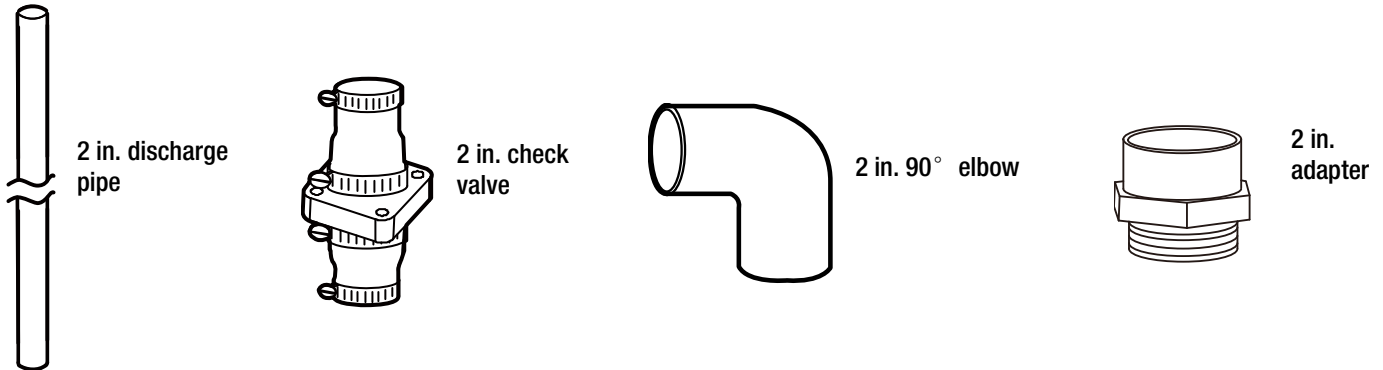
TOOLS REQUIRED



MATERIALS REQUIRED (NOT INCLUDED)



NOTE: Parts shown below not to scale.



SPECIFICATIONS

Power supply	115V, 60 HZ., 15 Amp Circuit
Liquid temp. range	max.131°F (55°C)
Discharge size	2 in. FNPT
Sump basin	Minimum 18 in. (460 mm) diameter, 30 in. (760 mm) depth
Switch on/off	On: 4 in. (102 mm), Off: 2.5 in. (63.5 mm)

Installation



NOTE: Install pump on a hard, level surface (cement, asphalt, etc.). Never place the pump directly on earth, clay or gravel surfaces.

In any case, piping must not be smaller than pump discharge. When installed in a sewage system, pipe must be capable of handling semi-solids of at least 2 in. (5.1 cm) diameter. The rate of flow in the discharge pipe must keep any solids present in suspension in the fluid. To meet minimum flow requirements, the minimum pipe size is 2 in.

Use a 2 in. (5.1 cm) swing check valve in the pump discharge to prevent backflow of liquid into a sump basin. The check valve should be a free flow valve that will easily pass solids.



NOTE: For best performance of the check valve when handling solids, do not install it with discharge angled more than 45° above the horizontal. Do not install the check valve in a vertical position as solids may settle in the valve and prevent opening on startup.

Drill a 3/16 in. (4.7mm) hole in the discharge pipe about 1 in. -2 in.(2.5 - 5.1cm) above the pump discharge connection (but below the check valve) to prevent air locking the pump.

Electrical



WARNING: Risk of electric shock. Can shock, burn or kill. When installing, operating, or servicing this pump, follow safety instructions listed below.

Step1. DO NOT splice the electrical power cord.

Step2. DO NOT allow the electrical cord plug to be submerged.

Step3. DO NOT use extension cords. They are a fire hazard and can reduce voltage sufficiently to prevent pumping and/or damage the motor.

Step4. DO NOT handle or service a pump while it is connected to the power supply.

Step5. DO NOT remove the grounding prong plug. To protect against electrical shock, the power cord is a three-wire conductor and includes a 3-prong grounded plug, Plug pump into a 3-wire, grounded, grounding type receptacle. Connect the pump according to electrical codes that apply.

For automatic operation, plug or wire the pump into an automatic float switch or pump controller. The pump will run continuously when plugged directly into an electrical outlet. Connect or wire the pump to an individual branch circuit with no other outlets or equipment in the circuit.



WARNING: Risk of electrical shock and fire. Be sure that the power supply information (Voltage/ Hertz/Phase) on the pump motor nameplate matches the incoming power supply exactly. Install the pump according to all electrical codes that apply.

Operation



NOTE: Do not allow the pump to run in a dry sump. It will void the warranty and may damage the pump.

An automatic overload protector in the motor will protect the motor from burning out due to overheating/overloading.

When the motor cools down, overload protector will automatically reset and start the motor.

If overload trips frequently, check for a cause. It could be a stuck impeller, wrong/low voltage, or electrical failure in the motor. If an electrical failure in the motor is suspected, have it serviced by a competent repairman.

The pump is permanently lubricated. No oiling or greasing is required.

Troubleshooting

Problem	Solution
The pump fails to operate.	<ol style="list-style-type: none">1. Check to be sure that the power cord is securely plugged into an outlet. Disconnect power to the outlet before handling the pump or motor.2. Check to be sure you have electrical power.3. Check that liquid fluid levels are high enough to activate the switch or controller.4. Check to be sure that a 3/16 in. (4.7mm) vent hole in the discharge pipe is not plugged.5. Check for blockage in the pump inlet, impeller, check valve or discharge pipe.6. Thermal overload may have tripped. Test start the pump. If it starts and then stops immediately, disconnect from the power source for 30 minutes to allow the motor to cool, then reconnect to the power source. Check for cause of overheating/overloading.
The pump fails to empty sump.	<ol style="list-style-type: none">1. Be sure all valves in the discharge are fully open.2. Clean out the discharge pipe and check valves.3. Check for blockage in the pump inlet or impeller.
The pump will not shut off.	<ol style="list-style-type: none">1. Check the switch or controller automatic floats for proper operation and location.2. If the pump is completely inoperative or continues to malfunction, consult your local serviceman.



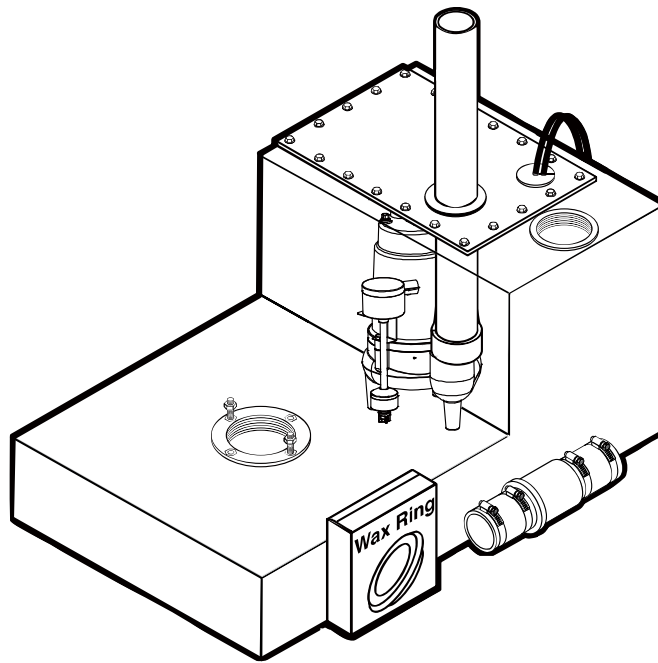
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USE AND CARE GUIDE

UPFLUSH SYSTEM



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We appreciate the trust and confidence you have placed in Everbilt through the purchase of this upflush system. We strive to continually create quality products designed to enhance your home. Visit us online to see our full line of products available for your home improvement needs. Thank you for choosing Everbilt!

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Performance

SKU	HP	GPH of Water @ Total Feet Of Lift				Max. Lift
		0 ft.	5 ft.	10 ft.	15 ft.	
1001194470	1/2	8700	7500	6000	3900	20 ft.

Safety Information



DANGER: Do not install pump in any location classified as hazardous by National Electrical Code, ANSI/NFPA 70. Do not smoke or use electrical devices which could generate sparks or flame in an atmosphere which could contain septic(methane) gas.



WARNING: Read this manual carefully. Failure to follow these instructions could cause serious bodily injury and/or property damage.



WARNING: Check your local codes before installing. You must comply with their rules.



WARNING: Hazardous voltage. Can shock, burn or cause death. During operation, the pump is in water. To avoid fatal shocks, proceed as follows if the pump needs servicing:
 Disconnect power to the outlet box before unplugging the pump.
 Take extreme care when changing fuses. Do not stand in water or put your finger in a fuse socket.
 Do not modify the cord and plug. Plug into a grounded outlet only. If the system is not properly grounded or you are not sure, call a licensed electrician for assistance. Installation and checking of all electrical circuits and hardware should be performed only by a qualified licensed electrician.
 Make certain that the pump's power cord will reach the ground fault interrupter protected receptacle or control box. Do not use an extension cord with this system. Connect this pump to a 15 amp circuit breaker on a dedicated circuit.



CAUTION: Vent sewage or septic tank according to local codes.



CAUTION: Do not run the pump dry. Dry running can overheat the pump, (causing burns to anyone handling it) and will void warranty.



CAUTION: The pump normally runs hot. To avoid burns when servicing the pump, allow it to cool for 20 minutes after shut-down before handling it.



NOTE: In normal service, the motor should not need oiling. The motor has been filled at the factory with a special oil.

Warranty

The manufacturer warrants the products to be free from defects in materials and workmanship for a period of one year from date of purchase. This warranty applies only to the original consumer purchaser and only to products used in normal use and service. If within one year this product is found upon examination by the manufacturer to be defective in materials or workmanship, the manufacturer's only obligation, and your exclusive remedy, is the repair or replacement of the product at the manufacturer's discretion, provided that the product has not been damaged through misuse, abuse, accident, modifications, alterations, neglect or mishandling. Your original receipt of purchase is required to determine warranty eligibility.

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Requests for service under this warranty shall be made by returning the defective product to the manufacturer as soon as possible after the discovery of any alleged defect. The manufacturer will subsequently take corrective action as promptly as reasonably possible.

The manufacturer does not warrant and especially disclaims any warranty, whether express or implied, of fitness for a particular purpose, other than the warranty contained herein. This is the exclusive remedy and any liability for any and all indirect or consequential damages or expenses whatsoever is excluded.


Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

For Professional Technical Support call 1-844-241-5521 or visit HOMEDEPOT.COM.

For warranty registration please go to www.gppumpsus.com

Pre-Installation

- Inspect all materials before accepting them. Hidden damage can occur during shipment. If the unit is found to be damaged after opening the box, return it to the dealer from whom you bought it.
- Before installation or operation carefully read all the information provided with this product. Familiarize yourself with specific details regarding installation and use before attempting the installation.
There is a separate owner's manual for the system's pump(SW07501T). Refer to that manual for information about operation and maintenance of the pump that is provided with this system.

 **NOTE:** This pumping unit is designed to lift sewage up to a maximum of 15 ft. total, including friction loss from pipe and fittings. Do not use the up flush system in an installation requiring that the pump lift sewage more than 15 ft. Note that as lift increases, flow decreases; the higher the lift, the longer it will take to pump out the system's tank.

 **NOTE:** Floor Seal: Do not use a wax seal having a flange that extends into the tank; it may cause clogging. If a floor is installed over the tank, use a floor-flange-extender seal-kit designed by the toilet manufacturer.

Parts and Basic Tools Needed:

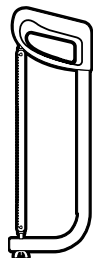
Some of the tools may not be needed depending on the type of installation.



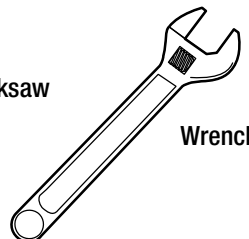
Flathead
Screwdriver



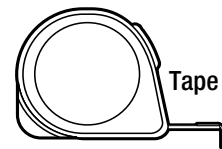
Phillips
Screwdriver



Hacksaw

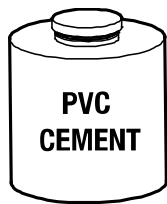
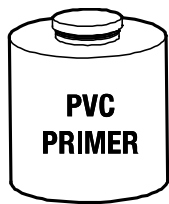


Wrench

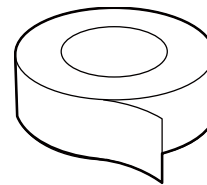


Tape Measure

Pre-Installation(continued)



Safety goggles



Thread Tape

Other necessary parts and tools may require:

- 2 in. PVC Close Nipple
- 2 in. 90° PVC Elbow
- 2 in. Slip Union
- 2 in. Slip x 3 in. NPT Reducer Bushing
- Vent Pipe (see Step 14, Page 6)
- 5/16 in. Nut driver
- 7/16 in. and 1/2 in. Wrenches
- Carpenter's Level
- Center Punch
- Cloths, Rags
- 4 in. Expandable Plumber's Plug
- Hammer
- Hole Saw (3 in.)
- Marker
- Sponge
- Strap Wrench
- Wallboard Knife

Follow the upflush system installation instructions and all applicable national or local electrical and plumbing codes for a good installation. Thorough planning is a must. Get the right tools for the job before beginning, and make a specific and thorough plan. Many localities will require you to make drawings, obtain a building permit and/or have your work inspected. Be prepared; read all instructions that come with this product before installation.

Retain this owner's manual for future reference.

See Figure 1 for the basic plumbing layout.

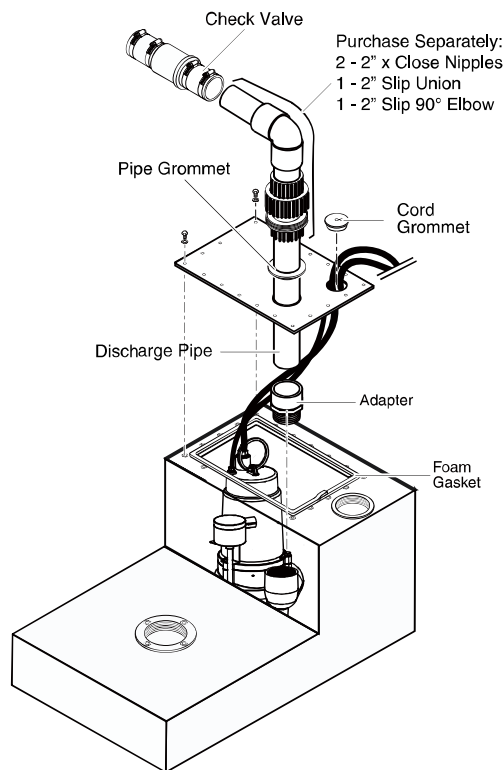


Figure 1: Piping Components and Layout

Installation

The upflush system can be installed as a free-standing unit or it can be enclosed.

1. Determine the location of the upflush system. Make sure you will have access to the existing discharge and vent lines. Make the necessary measurements, and determine the necessary fittings and piping that are required. Be sure to observe all local plumbing codes.
2. Put the tank in position. It must be level to within 1/8 in. over its entire length. Make sure that nails, screws, or other sharp objects do not puncture the tank.
3. For an enclosed installation, the flat portion of the tank is 5-3/8 in. high, so it will fit between 2 in. x 6 in. floor joists. Note that you will need to cut one joist (with 16 in. centers) and put headers in to accommodate the 24-1/4 in. width of the tank.



NOTE: A floor-flange-extender seal kit (purchase separately) must be used for this type of under-floor installation.

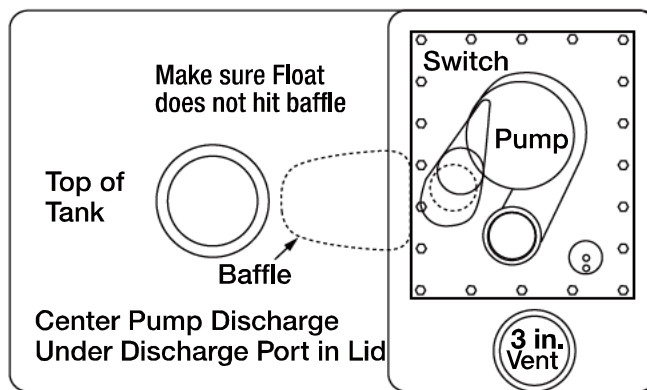


Figure 2: Center the pump discharge under the discharge grommet in the lid; make sure the switch does not hit the baffle in the tank.

4. Set the pump in the pump chamber with the discharge toward the right back corner as viewed from the toilet opening (see Figure 2). Line up the pump discharge with the 3 in. hole in the tank lid, then swing the pump so that the vertical float switch is shielded (from solids) as much as possible by the baffle in the tank between the toilet mounting hole and the pump chamber (see Figure 2). Shim the pump as required to make it steady in the pump chamber.
5. Apply the foam gasket (see Repair Parts, Key No. 5) to the flange of the pump chamber. For best results, overlap the ends of the gasket about 1/2 in..
6. Place the pipe grommet in the 3 in. hole in the pump chamber lid; this is the discharge seal. See Figure 3 for correct orientation.
7. Lubricate the pipe grommet with soapy water and push the discharge pipe (2 in. x 32 in.) through it.
8. Install the lid on the tank as follows:
 - A. Push the 2 in. discharge pipe down until approximately 16 in. projects down through the lid.
 - B. Glue on the adapter.
 - C. Pull the pump and switch power cords up out of the pump chamber and hang them over the edge of the chamber.
 - D. Screw the threaded adapter into the pump discharge by rotating the lid assembly until it is hand tight.
 - E. Thread the pump and switch power cords up through the 2-1/2 in. hole in the lid.

Installation (continued)

- F. Insert the cords into the split cord grommet (see Repair Parts, Key No. 3), making sure that the cord grommet is right side up (see Figure 3) and outside the pump chamber. Leave yourself some slack in the cord.

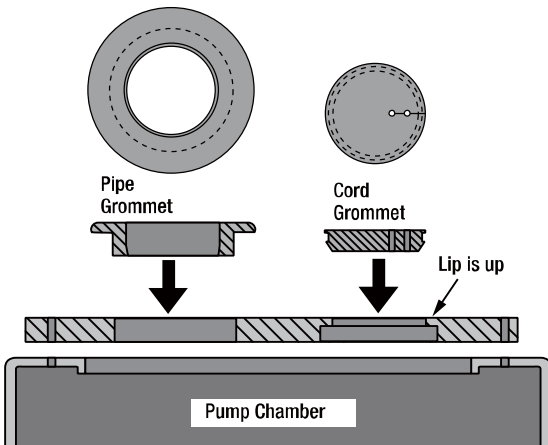


Figure 3: Cross-section of pump chamber lid and seals showing correct orientation of seals.

- G. Push the lid down into position on the pump chamber. Start bolts in the four corners of the lid to keep it in position on the pump chamber.
- H. Tighten the discharge pipe into the pump discharge with a strap wrench. Do not press the cord grommet into the lid yet.
- I. Install and tighten all lid bolts with a 7/16 in. wrench (see Repair Parts, Key Nos. 6, 7).
- J. Press the cord grommet into the lid.

9. Glue one half of the 2 in. slip union to the discharge pipe.



WARNING: Fire and explosion hazard. PVC glue is highly flammable. Do not use near fire or flame, and follow glue manufacturer's instructions carefully.

10. Glue the other half of the union to one of the close nipples.
11. Glue both nipples into the 90° elbow.
12. Attach the check valve (Repair Parts, Key No.1) to the close nipple that does not have the union attached. Make sure the flange on the check valve body is toward the pump (see Figure 4).

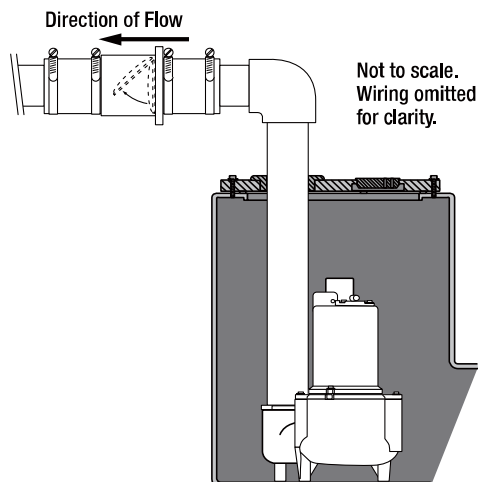


Figure 4: Check Valve Installation

Installation (continued)

13. Assemble the union. Make sure that the elbow/check valve alignment with existing plumbing is correct.

14. Install a 2 in. or 3in.vent pipe (check your local plumbing code) in the 3 in.NPT threaded vent port on the pump chamber. You can use a 3 in. threaded pipe or glue the vent pipe to a male adapter (3 in. vent pipe)or 2 in. slip x 3 in.NPT reducer bushing (2 in. vent pipe),and then thread the assembly into the vent port on the pump chamber.

15. Connect the discharge pipe and vent pipe into the house plumbing.



CAUTION: Risk of flooding. Vent this unit directly to atmosphere (or through the existing house vent pipe) according to national and local plumbing codes. An automatic or mechanical vent device will not work with this system. The toilet will not flush unless properly vented.

16A. If you are not attaching any additional fixtures to the unit, skip to Step 20. If an additional fixture is being added to your installation, go to Step 16B.

16B. Mark the center of a 3 in. diameter hole on one of the three sides of the pump chamber.



NOTE: The center of this hole must be at least 6-1/2 in. above the bottom of the tank, as shown in Figure. 6. If you intend to add more than one extra fixture, mark a hole center as above for each additional drain line. Each center must be at least 6-1/2 in. above the bottom of the tank.

17. After choosing the spot(s) for the hole(s), lightly center punch hole centers on the pump chamber.

18. For each center you have marked, cut a 3 in. diameter hole with a hole saw.



NOTE: To avoid leaks, the hole's maximum diameter must be 3 in. Do not go oversize.

19. Lubricate a 2 in. pipe grommet with soapy water and push it into the 3 in. hole from Step 18. Lubricate the fixture drain pipe and push it through the pipe grommet into the pump chamber. The pipe must not interfere with the operation of, nor touch, the pump or switch. Repeat for all drain lines.



WARNING: Risk of electrical shock. Make sure the pump is unplugged before beginning step 20.

20. Fill the tank to a depth of approximately 4 in. (check this with a tape measure through the opening where the toilet is to be installed). Plug in the pump and continue filling the tank.

The pump must start when the water level is between 3-1/4 in. and 4-1/2 in..

21. Check the tank for leaks. Attach the cord to the discharge or vent pipe. Do not leave excess cord inside the tank, as it may interfere with the pump's operation.

Installation (continued)

22. Your local or state plumbing code may require you to test the system with a “10 ft. water column test”. If so, make certain the pump chamber lid screws are tightened down properly and that the lid gasket is seated. Plug the 4 in. diameter toilet opening (in the top of the tank) with an expandable plumber's plug (available at hardware stores). Also plug any other openings in the system except the highest one (normally the top of the vent stack). Make sure that if the system is tied in to existing vents, drains, sewers, toilets, etc., that any openings in these system components are also plugged securely. The system can now be tested per code requirements. Consult your local code officials for more information about this test.



CAUTION: Risk of flooding. Risk of damage to floor and possible flooding. The tank and lid will expand with the water column pressure while being tested. If you are installing the tank under the floor, complete the testing before the floor is installed.

23. Install the long studs and nuts (Repair Parts, Key No. 10) that are used to fasten the toilet to the tank or subfloor.



NOTE: To tighten the studs, thread both nuts onto one stud, then use the 1/2 in. wrench to tighten the upper nut. The nuts should jam on the stud and turn it into the threaded hole in the tank. Remove the nuts and repeat for the second stud.



NOTE: A standard floor flange is not required. The position of the toilet must be determined to allow the stud to be inserted in the correct holes. Install the wax ring. Be sure to align the studs for installation of the toilet bowl in the desired direction. (i.e., If the vent and discharge pipe are to be installed behind the wall to one side of the upflush system, you can turn the toilet sideways on the tank top so that the flush tank is flat against the wall – see Figure 5).

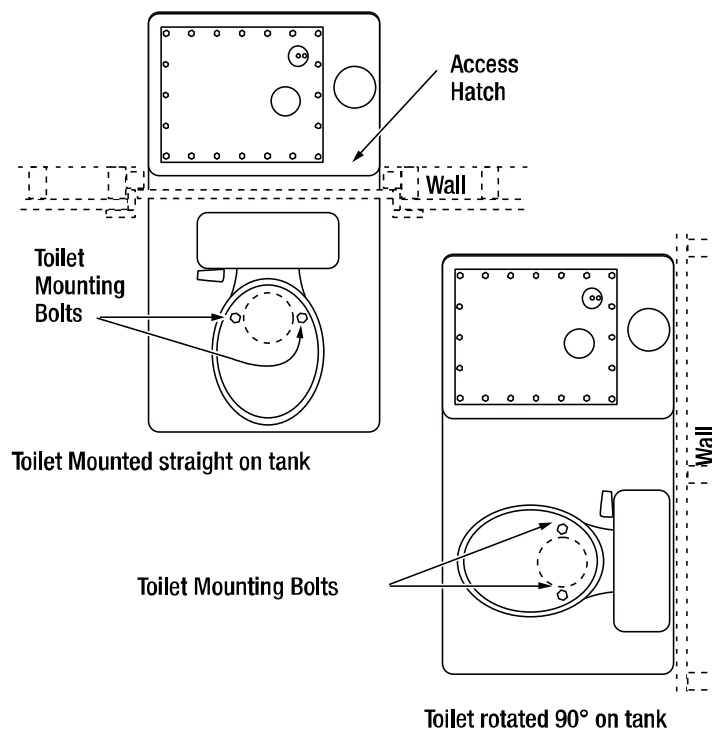


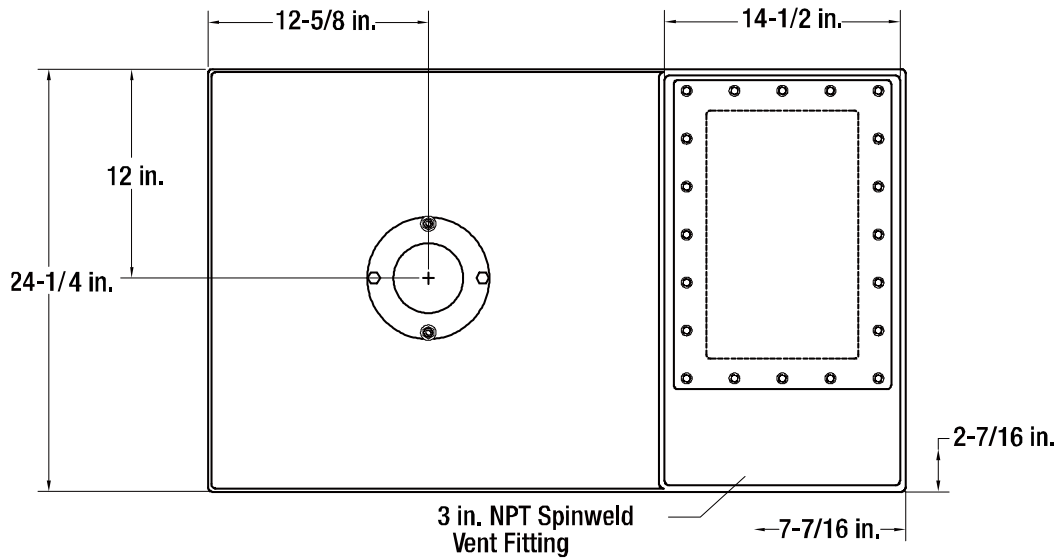
Figure 5: Alternate Positions for Mounting Toilet

24. Install the wax toilet bowl seal(s) at the hole on top of the tank and install the toilet following the instructions from the wax seal package.



NOTE: Do not use a wax seal having a flange that extends into the tank; it may cause clogging. If a 1/2 in. or 1/4 in. floor is installed over the tank, the appropriate floor flange extender seal kit must be used. See NOTICE: Floor Seal. Hook up the water line to the toilet. Turn on the water and fill the toilet tank. Test for leaks, flush the toilet, and allow the pump to cycle to ensure proper operation.

Installation (continued)



Cut 3 in. hole with holesaw to run drain line from an additional fixture into tank. Center of hole must be at least 6-1/2 in. above bottom of tank. Use grommet to seal pipe where it runs into tank. Be sure to support pipe to take its weight off side of tank.

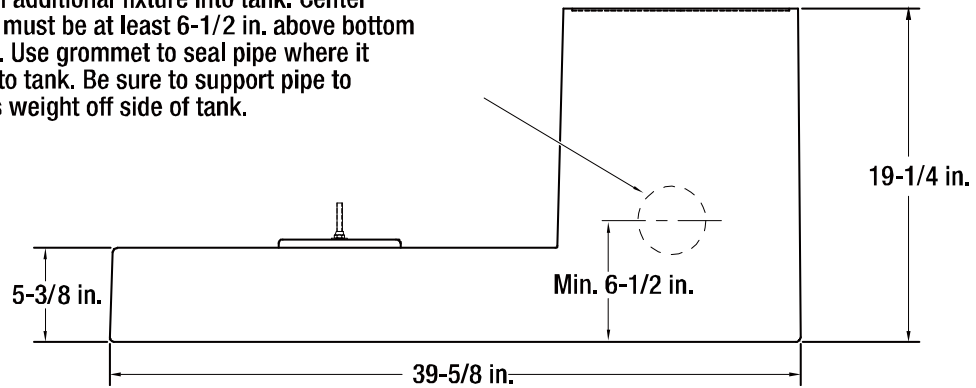


Figure 6: Upflush System Dimensions

Troubleshooting

Troubleshooting information is for the pump only.



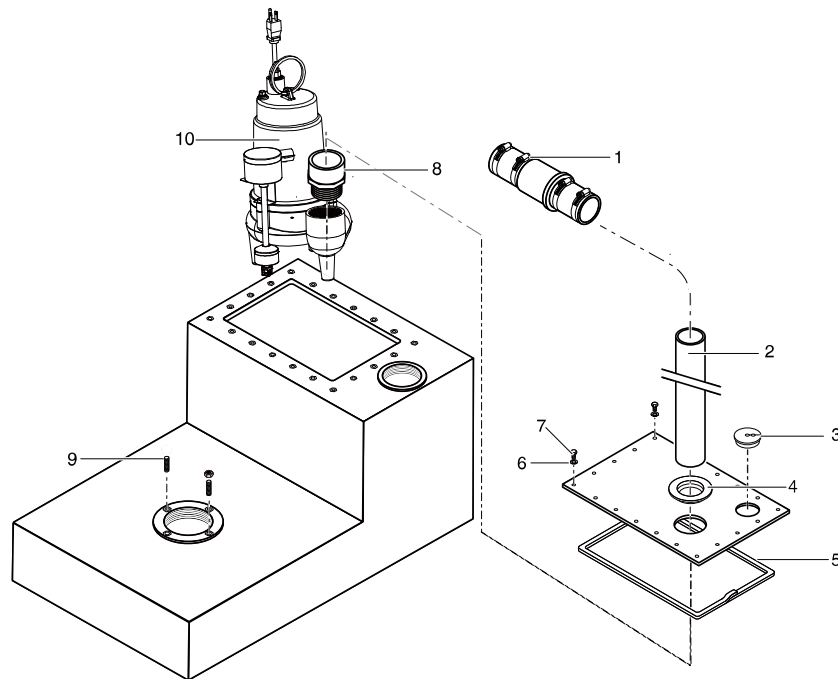
WARNING: Risk of electrical shock. Always unplug the pump before handling it or making any adjustments. Always wear rubber boots when there is water on the floor and you must unplug the pump or make any adjustments.



WARNING: Risk of infections from pathogens in pumped effluent. Wear rubber gloves when removing the pump from the tank and soak it in chlorine bleach for at least an hour before working on it or servicing it.



NOTE: An automatic thermal overload protects the motor. Running the pump dry may overheat the motor and activate the overload protector until the motor cools.





Key	Part Description	Qty.	Part No.
•	Installation Hardware Kit (Incl. Key Nos. 1,2,3,4,5,6,7,8,9)	1	PKG 450
1	Check Valve	1	
2	2 in.x32in.Schedule 40 PVC Pipe	1	
3	Cord Grommet	1	
4	2in.Adapt-A-Flex Pipe Grommet	2	
5	1/2 in. Foam Gasket Material	1	
6	Flat Washers - .320 I.D.	20	
7	1/4 in. - 20 x 5/8 in. Hex Head Bolts	20	
8	2 in. NPT x 2 in. Slip Adapter	1	
9	5/16 in. x 2 in. Studs and Nuts	2	
10	Pump	1	1001194470
•+	Wax Ring (Boxed)	1	

• Not illustrated.

+ Purchase locally. See **NOTICE:** Floor Seal

Troubleshooting (continued)

Problem	Solution
The pump does not run.	<ol style="list-style-type: none"> 1. The line fuse or circuit breaker may be off, blown or loose. 2. Water level in the tank may be too low to activate automatic float. 3. The power cord plug may not be making contact in the receptacle. 4. If all symptoms check OK, the motor is probably defective. Replace the pump.
The pump runs but delivers no water or only a small amount of water.	<ol style="list-style-type: none"> 1. The check valve may be installed backward. Make sure the flapper will open away from the pump (see Figure 4). 2. The discharge gate valve, if used, may be closed. 3. The pump may be air locked. Start and stop several times by plugging and unplugging the cord. Check the vent hole in the pump case for plugging. <div data-bbox="558 571 1503 674" style="border: 1px solid black; padding: 5px; margin: 10px 0;">  NOTE: The pump has a small air vent hole in the pump body to let out trapped air. If this hole becomes plugged, the pump may air lock. To break the air lock, clear the hole with a small screwdriver. </div> <p data-bbox="558 684 1503 806">As a secondary precaution in installations of this type, drill a 1/8 in. hole in the discharge pipe inside the tank below the check valve. The check valve should be mounted horizontally above the pump discharge. Do not put the check valve directly into pump discharge opening.</p> <div data-bbox="558 823 1503 913" style="border: 1px solid black; padding: 5px; margin: 10px 0;">  NOTE: In tanks where the pump is operating daily, air locking rarely occurs. </div> <ol style="list-style-type: none"> 4. The pump may be trying to lift water too high. The pump cannot deliver water higher than 15 ft. (vertical lift (a long horizontal piping run) may reduce the available lift due to friction in the pipe). 5. The inlet, impeller or pump body may be plugged up. Unplug the pump. Put on rubber gloves, remove the pump from the chamber, soak it in chlorine bleach for at least one hour, and clean it out. 6. The pump impeller may be partially clogged, causing the motor to run slowly, resulting in motor overload. Unplug the pump. Put on rubber gloves, remove the pump from the chamber, soak it in chlorine bleach for at least one hour, and clean it out.
The fuse blows or the circuit breaker trips when the pump starts.	<ol style="list-style-type: none"> 1. The pump inlet may be clogged. Unplug and remove the pump and clean out openings. 2. The impeller or pump body may be plugged or partially plugged. Unplug the pump. Put on rubber gloves, remove the pump from the chamber, soak it in chlorine bleach for at least one hour, and clean it out. 3. The pump impeller may be partially clogged, causing the motor to run slowly, resulting in motor overload. Unplug the pump. Put on rubber gloves, remove the pump from the chamber, soak it in chlorine bleach for at least one hour, and clean it out. 4. The fuse size or circuit breaker is too small. 5. The motor is defective. Call customer service at 1-844-241-5521.
The motor runs for a short time, then stops. After a short time it starts again. This indicates tripping overload caused by symptom shown.	<ol style="list-style-type: none"> 1. The inlet, impeller or pump body may be plugged or partially plugged. Unplug the pump. Put on rubber gloves, remove the pump from the chamber, soak it in chlorine bleach for at least one hour, and clean it out. 2. The pump impeller may be partially clogged, causing the motor to run slowly, resulting in motor overload. Unplug the pump. Put on rubber gloves, remove the pump from the chamber, soak it in dilute chlorine bleach for at least one hour, and clean it out. 3. The motor is defective. Call customer service at 1-844-241-5521.



Questions, problems, missing parts? Before returning to the store call
Everbilt Customer Service
8 a.m. - 6 p.m., EST, Monday-Friday

1-844-241-5521

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