



Owner's Manual Pre-Plumbed Sewage Basin System



ESE50WB1830

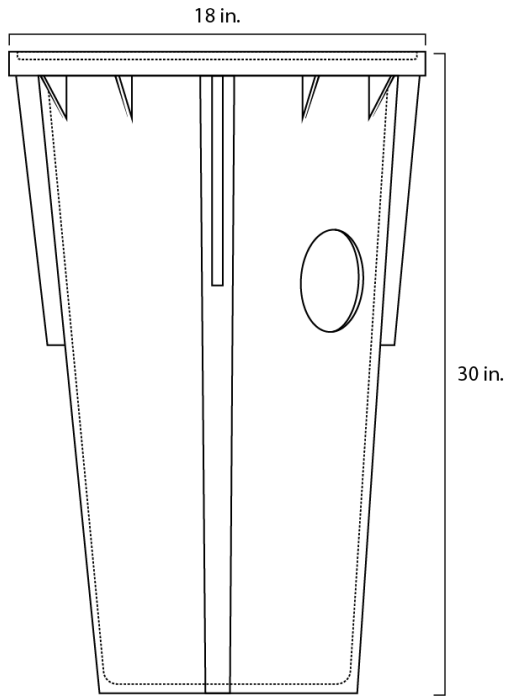


RSE50WB1830

TABLE OF CONTENTS

Features	2-3
Installation	4-5
Safety Information	6-7
Warranty	8

FEATURES



- Thank you for purchasing this pump system. Take the time to read the instructions carefully before using this product. We strongly recommend that you keep this instruction manual in a safe place for future reference.

Features and Benefits

- Features an 18 in. x 30 in., 30 Gal., heavy duty sewage basin with a water-tight snap-in molded inlet hub
- Ultra strong cover comes with 2 in. threaded discharge and vent flanges, a molded cord grommet, a molded reusable cover seal and eight stainless screws and washers to secure the cover to the basin
- Automatic, all cast-iron sewage pump passes 2 in. solids
- System pumps up to 7,500 GPH, (ESE50W) and 5700 GPH (RSE50W)
- Ultra quiet, heavy duty ABS slip fit, flexible union check valve passes a full 2in. solid
- Molded inlet hub comes with a stainless steel clamp for securing the inlet pipe

Performance (Gallon Per hour)						Float Switch		Solids Handling	Warranty
Model	0'	5'	10'	15'	shut off	On	Off		
RSE50WB1830	5700	5980	4020	2520	18'	15.5"	7.5"	2"	1
ESE50WB1830	7500	6960	5880	4500	24'	15.5"	7.5"	2"	2

For parts or assistance, call ECO-FLO Customer Service at 1-877 326-3561

FEATURES

Features and Benefits

Pre-Plumbed Sewage System (Basin and Pump)

- 30 U.S. gallon capacity options
- Heavy duty structural foam injection molded construction
- Pre-drilled inlet hole at 10-1/2" cL depth
- 100% tested with its own performance curve
- Rated for continuous duty
- Rugged cast iron construction
- Solids Handling Vortex impeller
- High efficiency permanent split capacitor motor with automatic reset thermal overload protection
- Ball bearings for quiet operation
- Handles 2" solids
- Easily replaceable 20 foot power cord
- Mechanical shaft seal for long life
- Support 400 lbs. + Sewage Pump

Basin Cover

- 2" Threaded discharge and vent flanges
- Custom, molded, reusable PVC seal
- Heavy duty structural foam injection molded construction

2" Check Valve

- Passes a full 2" solid
- Stainless steel hose clamps
- Industry's most durable flapper
- Strong, durable ABS body
- Flow arrows clearly marked
- Fits 2" black, galvanized and PVC Schedule 40 pipe

Basin Inlet Hub

- Water and vapor-tight seal
- Fits 4" DWV SCH.40/80
- Built-in "O" rings
- Stainless steel clamp

Components

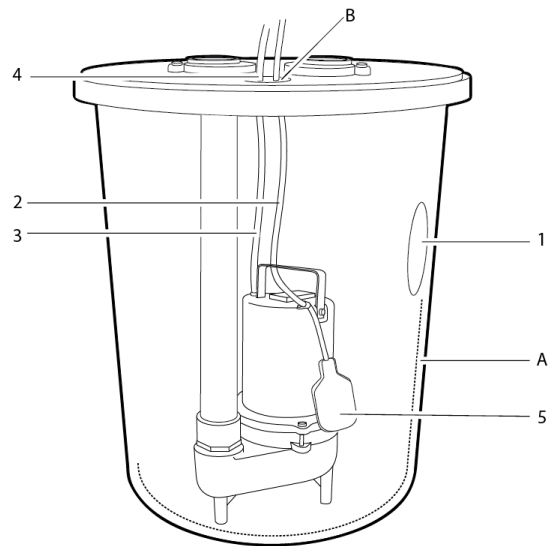


For parts or assistance, call ECO-FLO Customer Service at 1-877 326-3561

INSTALLATION

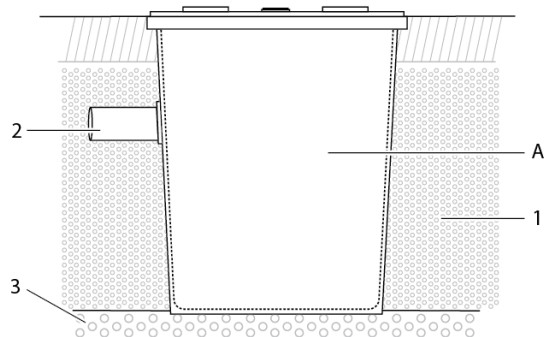
1. Preparing the Basin for Installation

- Remove the basin cover by removing the basin cover fasteners. Remove the package containing the inlet hub (D), check valve (C) and cord grommet (B).
- Remove the pump power cord and float switch cord (if necessary) from the inside of the basin, removing all slack from the cord(s). Ensure the cord(s) are not tangled around the pump or float switch. Verify the float switch is able to move freely.
- Feed the cord(s) through the cord grommet hole (4) on the basin cover, place the cover on the basin ensuring the discharge flange and the discharge piping are in the correct orientation.
- Press each cord through the slit and into the hole on the cord grommet (B), 2 hole cord grommet for pumps with a float cord and a 1 hole grommet for 1 cord systems. Press the grommet (B) into the grommet hole (4) to provide a tight seal.
- Secure the basin cover onto the basin with the basin cover fasteners removed in the first step.



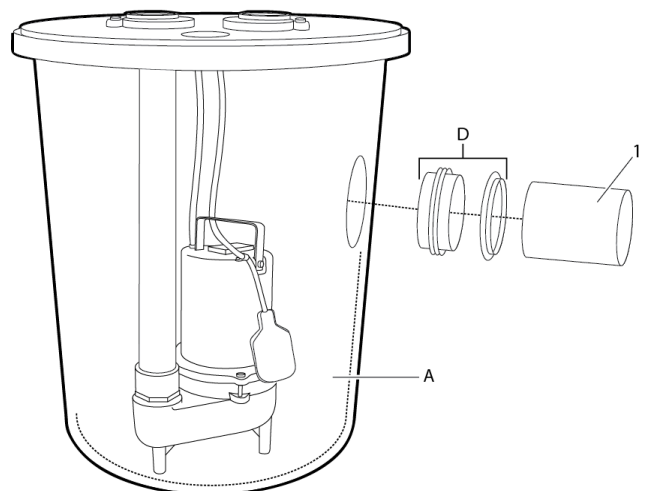
2. Preparing the installation location

- Excavate a hole large enough to accommodate the basin (A), backfill material (1) and inlet piping (2).
- Add 4 – 6 in. of clean sub-base material or concrete (3) to the bottom of the hole.
- Assure that it is level, compacted, and smooth.
- Place the basin (A) in the hole and ensure that it is level.



3. Connecting the inlet piping

- Connect the inlet piping (1) as required by code using the 4 in. snap-in inlet hub (D). Hand-Tighten the hose clamp.
- Carefully backfill with naturally rounded gravel or stone, larger than 3/8 in. and smaller than 3/4 in. diameter, around the periphery of the basin (A).

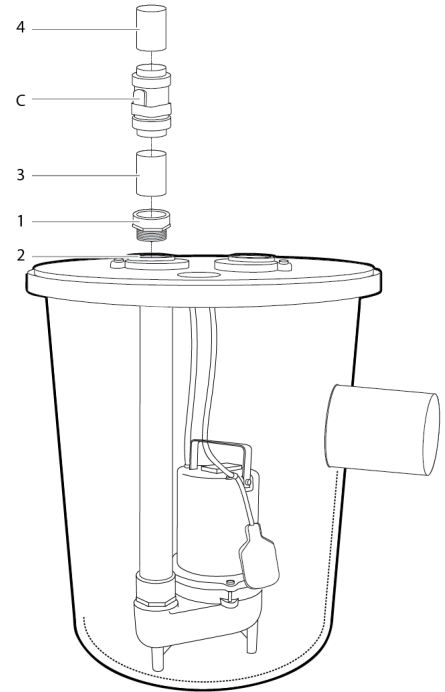


For parts or assistance, call ECO-FLO Customer Service at 1-877 326-3561

INSTALLATION

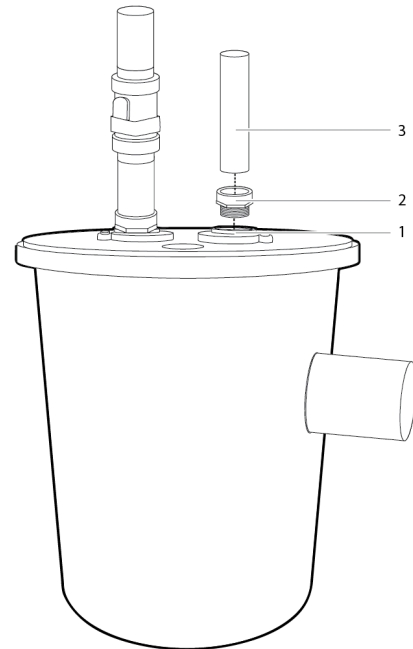
4. Connecting the discharge piping

- Install a 2 in. PVC Schedule 40 threaded male adapter (1) (not included) into the discharge flange (2) as shown. Use Teflon tape, silicon sealant, or plumber's pipe dope to seal the threads. Ensure that you are connecting to the sewage pump discharge and not the vent port.
- Connect discharge pipe (3) (not included) to the 2 in. PVC Schedule 40 threaded male adapter (1) (not included) using PVC primer and solvent cement to properly seal the connection.
- Install the 2 in. compression fit check valve (EFSWCV200) (C) to the discharge line at the appropriate location. Ensure the flow arrow on the check valve (C) is pointed in the right direction. Tighten fittings to ensure a watertight seal.
- Install 2 in. PVC Schedule 40 pipe (4) (not included) into the 2 in. compression fit check valve (C) and connect this pipe to the appropriate sewer main pipe for discharge. Hand tighten the fittings to ensure a watertight seal.



5. Attaching the vent connection

- Install a 2 in. PVC Schedule 40 threaded male adapter (1) (not included) into the vent hole (2) as shown. Use Teflon tape, silicon sealant, or plumber's pipe dope to seal the threads.
- Connect a vent pipe (3) (not included) to the 2 in. PVC Schedule 40 threaded male adapter (1) using PVC primer and solvent cement to properly seal the connection. Connect the vent pipe to the sewer's vent system. We suggest that a union be installed on this line to allow for easy pump service or removal.



6. Connecting the power and verifying proper operation

- Make sure that the cord grommet is properly inserted into the lid. This assures a water and gas tight seal.
- Check the pump by filling the basin with water and observe the pump's operation through one complete cycle.

For parts or assistance, call ECO-FLO Customer Service at 1-877 326-3561

SAFETY INFORMATION

PRECAUTIONS

1. This document serves only as an installation guide. Refer to your state and/or local plumbing or onsite wastewater treatment and disposal regulations for details pertaining to your systems design, installation and maintenance requirements.
2. Keep this instruction manual in a safe place for future reference.
3. 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.
4. Ensure the electrical power source is adequate for the requirements of the pump.
5. 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.



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. If basement floor is wet, do not walk on wet area until all power is turned off. If shut-off box is in basement, call the electric company to shut off service to the house, or call your local fire department for instructions. Remove pump and repair or replace. Failure to follow this warning can result in fatal electrical shock.



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. The use of an extension cord to power this pump is not permitted.



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



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



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 A DAMAGED 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



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



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



CAUTION: Follow all safety standards and all local electrical codes.

ELECTRICAL SAFETY WARNING: Do not splice the electrical power cord.



WARNING: Do not allow the electrical cord plug to be submerged.



WARNING: Do not use extension cords. They are a fire hazard and can reduce voltage sufficiently to prevent pumping and/or damage the motor.



WARNING: Do not handle or service the pump while it is connected to a power supply.



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

WARRANTY

Retain Original Purchase Receipt for Warranty Eligibility

Limited Warranty

Manufacturer warrants to the original consumer purchaser ("Purchaser" or "You") that its products are free from defects in material and workmanship for a period of two (2) years (ESE50WB1830) and one (1) year (RSE50WB1830) from the date of the original consumer purchase. If, within one/two years from the original consumer purchase, any such product shall prove to be defective, it shall be repaired or replaced at manufacturer's option, subject to the terms and conditions set forth herein. Note that this limited warranty applies to manufacturing defects only and not to ordinary wear and tear. All mechanical devices need periodic parts and service to perform well. This limited warranty does not cover repair when normal use has exhausted the life of a part or the equipment.

The original purchase receipt and product warranty information label are required to determine warranty eligibility. Eligibility is based on purchase date or original product – not the date of replacement under warranty. The warranty is limited to repair or replacement of original purchased product only, not replacement product (i.e. one warranty replacement allowed per purchase).

Purchaser pays all removal, installation, labor, shipping, and incidental charges.

Claims made under this warranty shall be made by returning the product to the retail outlet where it was purchased or to the factory immediately after the discovery of any alleged defect. Manufacturer will subsequently take corrective action as promptly as reasonably possible. No requests for service will be accepted if received more than 30 days after the warranty expires. Warranty is not transferable and does not apply to products used in commercial/rental applications.

General Terms and Conditions; Limitations of Remedies

You must pay all labor and shipping charges necessary to replace product covered by this warranty. This warranty does not apply to the following: (1) acts of God; (2) products which, in manufacturer's sole judgment, have been subject to negligence, abuse, accident, misapplication, tampering, or alteration; (3) failures due to improper installation, operation, maintenance or storage; (4) atypical or unapproved application, use or service; (5) failures caused by corrosion, rust or other foreign materials in the system, or operation at pressures in excess of recommended maximums.

This warranty sets forth manufacturer's sole obligation and purchaser's exclusive remedy for defective products.

MANUFACTURER SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, OR CONTINGENT DAMAGES WHATSOEVER. THE FOREGOING LIMITED WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE FOREGOING LIMITED WARRANTIES SHALL NOT EXTEND BEYOND THE DURATION PROVIDED HEREIN.

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.



1899 Cottage Street, Ashland, Ohio 44805
Telephone: 1-877-326-3561
Fax: 1-877-326-1994
www.ecofloproducts.com