

## Typical Installation Instructions & Warranty Information


**Simplex**  
Grinder Pump Stations


**Universal Wet Well**  
Integrated Ballast Design

# Safety Instructions

Please read prior to the installation and operation of pump. The information provided is for SAFETY and to help PREVENT EQUIPMENT PROBLEMS.

To help you understand this information, refer to the symbols and definitions below:

 **WARNING** Indicates a hazard that can result in serious personal injury, death, or major property damage if ignored.

 **CAUTION** Indicates a hazard that can or will cause minor personal injury or property damage if ignored.



Biohazard can cause serious personal injury.



HOT! Severe burns could occur on contact.



Rotating machinery. Amputation or severe laceration can result.



Hazardous fluids can cause fire or explosions, burns or death could result.



Hazardous voltage can shock, burn, or cause death.



General warning that can result in personal injury or factors related to install, operation, or maintenance to equipment if ignored.

Only qualified personnel should install, operate, and repair pump. Any electrical work should be performed by a qualified electrician



**WARNING**

To reduce risk of electrical shock, pump and control panels must be properly grounded in accordance with the National Electric Code (NEC) and all applicable codes and ordinances.



**WARNING**

To reduce risk of electrical shock, always disconnect the pump from all power sources before handling or servicing. Follow lock out tagout procedures.



**CAUTION**

This station has more than one power supply connection point. To prevent electrical shock, disconnect all power sources before service.



**CAUTION**

Thermally protected automatic reset motor will restart without warning after protector trips. Always disconnect motor from power supply before servicing.

Regulatory agencies advise that certain materials should not be introduced into any sewer, please refer to the user instructions for a more detailed list of items.

In the event of power failure or blackouts, minimize water consumption within the home to prevent backup. Refer to user instructions, **Power Failure**, if service is interrupted.

Make certain that all discharge shutoff valves are fully open (curb stops, slider valve, etc.). Valves must not be closed when the pump is operating. Refer to **Test Procedures**.

Refer to user instructions, **Periods of Disuse**, if your home or building is left unoccupied for long periods of time.



**CAUTION**

Pump may build up heat and pressure during operation. Allow time for pump to cool prior to the start of handling or servicing.



**CAUTION**

**DO NOT** pump hazardous materials (flammable, caustic, etc.)



**DO NOT** wear loose clothing that may become entangled in the grinder cutter wheel or other moving parts.

Ensure that rope is securely fastened before lifting. Do not operate pump without safety devices in place and always replace safety devices that have been removed during service or repair.

Secure the pump in its upright position so it cannot tip over, fall, or slide.

Do not exceed manufacturers recommendation for maximum psi, as this could cause the pump to overheat.

Inspect cables and ensure they are protected to avoid punctures, cuts, bruises, and abrasions.



Never handle connected power cords with wet hands.

To reduce the risk of electric shock, all wiring and junction connections should be made per NEC and all applicable codes and ordinances.



To protect the health and safety of our employees, products returned must be cleaned, sanitized, or decontaminated as necessary prior to shipment.

Environment One is not responsible for losses, injury, or death resulting from a failure to observe these safety instructions, misuse or abuse of pump or equipment.



# Environment One Grinder Pump Feature Identification

- 1. GRINDER PUMP BASIN** – High density polyethylene (HDPE).
- 2. ACCESSWAY COVER** – Station lid with integral vent (non-traffic rated)
- 3. ELECTRICAL QUICK DISCONNECT (EQD)** – Electrical lead from pump core terminates here (NEMA 6P).
- 4. POWER AND ALARM CABLE** – Circuits to be installed in accordance with local codes.
- 5. ALARM PANEL** – Rainproof (NEMA 4X) enclosure. Equipped with circuit breakers. Locate according to local codes.
- 6. ALARM DEVICE** – Every installation is to have an alarm device to alert the homeowner of a potential malfunction. Visual devices should be placed in conspicuous locations.
- 7. INLET** – EPDM grommet (4.5" OD). For 4.5" OD DWV pipe.
- 8. SETTLING LOOP** – Coil wire to protect against soil settling if cable is direct buried.
- 9. GRAVITY SERVICE LINE** – Standard configuration 4-inch DWV (4.5 inches OD). Supplied by others.
  - 9a. STUB-OUT** – 4" x 5' long watertight stub-out to be installed at time of burial unless the gravity service line is connected during installation. Stub-out is supplied by others.
- 10. DISCHARGE OUTLET** – Standard configuration 1 ¼-inch solvent weld.
- 11. DISCHARGE LINE** – 1 ¼-inch nominal pipe size. Supplied by others.
- 12. BEDDING MATERIAL** – 6-inch minimum depth, rounded aggregate (gravel). Supplied by others.
- 13. FINISHED GRADE** – Grade line should be below the cover and slope away from the accessway.
- 14. CONDUIT** – 1" or 1-1/4", material and burial depth as required per national and local codes. Conduit must enter panel from bottom and be sealed per NEC section 300.5 & 300.7. Supplied by others.

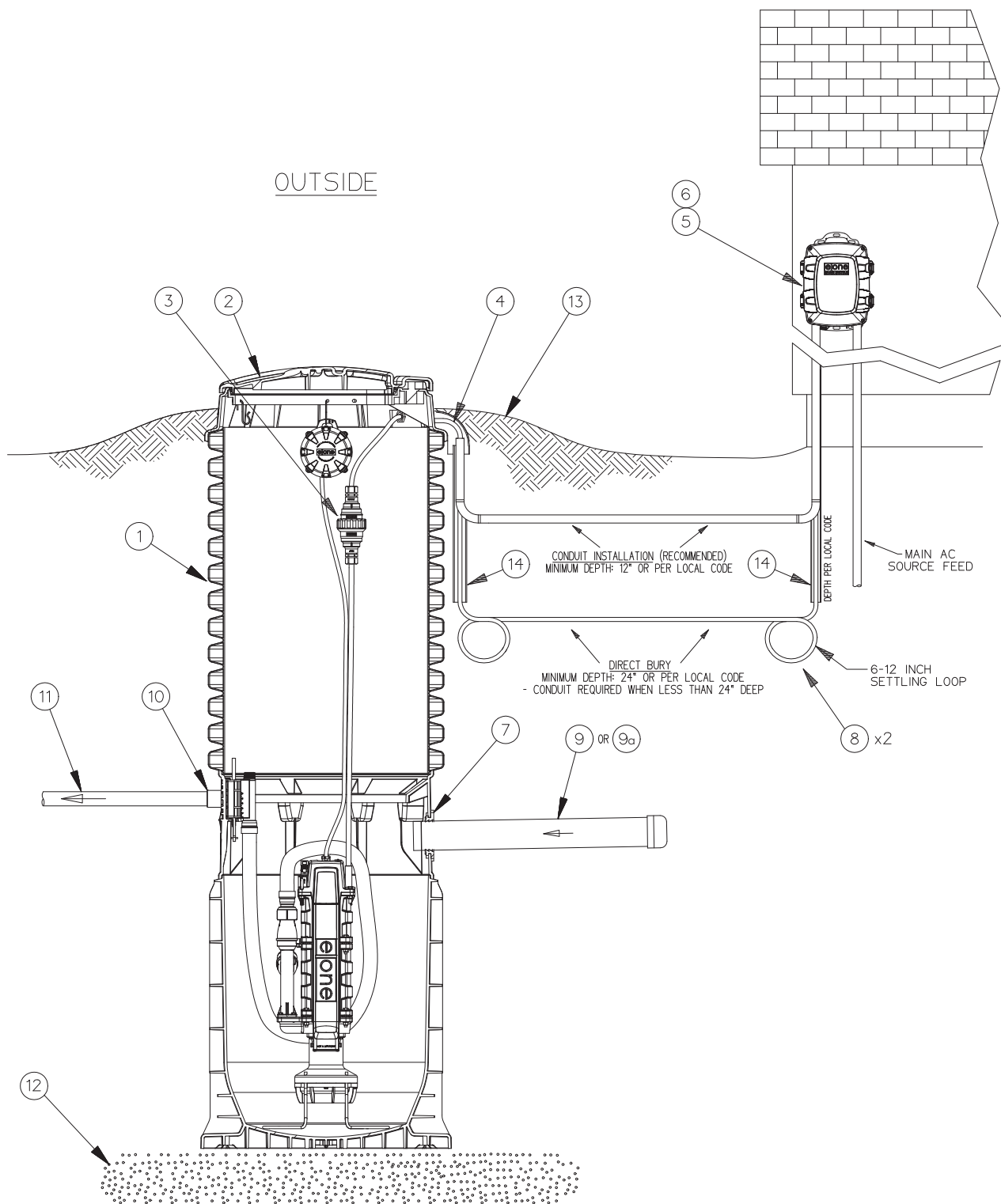


Figure 1  
Overview of WH101 Station Installation

**FAILURE TO COMPLY WITH INSTALLATION  
INSTRUCTIONS WILL VOID WARRANTY**

This is a sewage handling pump and must be vented in accordance with local plumbing codes. Do not install the unit in locations classified as hazardous in accordance with the National Electric Code, ANSI/NFPA 70. All piping and electrical systems must be in compliance with applicable local and state codes.

**1. REMOVE PACKING MATERIAL:** Give the User Instructions to the homeowner. Hardware supplied with the unit, if required, will be used during installation.

**2. TANK INSTALLATION:** The tank must be installed level for proper operation.

The tank is supplied with a standard 4-inch PVC DWV (4.5 inches inside dia.) inlet for connecting the incoming sewer drain. Other inlet types and sizes are optional (caution 4" DR-35 pipe is of smaller diameter and won't create a watertight joint with the standard grommet). Confirm that you have the correct inlet before continuing with installation. Do not drop, roll or lay the tank on its side. Doing so may damage the unit and void the warranty. Excavate a hole to a depth so the removable cover extends above the finished grade line; the grade should slope away from the unit. The diameter of the hole must be large enough to allow for appropriate bedding and backfill installation (Fig. 6). Place the unit on a 6-inch bed of gravel, naturally rounded aggregate, clean and free-flowing, with particle size not less than 1/8 inch or more than 3/4 inch in diameter. WH101 tanks that feature the Universal Wet Well do not require additional concrete anchor to prevent flotation in the presence of high ground water. WH101 tanks with a corrugated bottom section require alternative installation instructions that detail a concrete anchor for ballast. Contact your local E/One distributor for assistance.

**3. INLET INSTALLATION:** The type, size, and venting requirements of the inlet pipe must be in accordance with all national and local plumbing codes. The pump is a sewage-handling pump and requires ventilation for proper and safe operation. WH101 stations with the Universal Wet Well are available with a factory installed or field-installed grommet to accept a 4" DWV sewer inlet pipe. The grommet is self-sealing and does not require the use of additional sealant or adhesives. Other grommet sizes are available upon request. Verify that the grommet supplied with the station will accommodate the selected inlet piping.

Place a mark on the inlet pipe 3-1/2" in from the end that will enter the tank. A bevel should be ground or filed on the pipe end to aid in installation through the grommet. Clean the grommet and pipe surfaces to remove any debris. Apply a film of pipe soap or dish soap to the outside surface of the inlet pipe end and the inside of the grommet. Insert the pipe end into the grommet and push the inlet pipe into the tank until the 3-1/2" mark lines up with the grommet outside edge. Inspect the grommet flange on the outside of the tank. The flange should be flush against the tank wall and completely visible when the pipe and grommet are installed properly.

**4. DISCHARGE:** The use of 1-1/4" PVC pressure pipe Schedule 40 and polyethylene pipe SDR 11 or SDR 7 are recommended. If polyethylene is chosen, use compression type fittings or electrofusion type fittings to provide a smooth inner passage. E/One requires that an E/One Uni-Lateral assembly (E/One part number NB0184PXX or NC0193GXX) or E/One Redundant Check Valve (E/One part number PC0051GXX) be installed in the pipe lateral outside the home between the pump discharge and the street main on all installations. Never use a ball-type valve as a check valve. E/One recommends the valve be installed as close to the public right-of-way as possible. Check local codes for applicable requirements.

**CAUTION:** *Redundant check valves on station laterals and anti-siphon/check valve assemblies on grinder pump cores should not be used as system isolation valves during line tests.*

**5. BACKFILL REQUIREMENTS (Fig. 6): Proper backfill is essential** to the long term reliability of any underground structure. Several methods of backfill are available to produce favorable results with different native soil conditions.

The recommended method of backfilling is to surround the unit to grade using Class I or Class II backfill material as defined in ASTM 2321. Class I, angular crushed stone, offers an added benefit in that it needs minimal compaction. Class II, naturally rounded stone, may require more compactive effort, or tamping, to achieve the proper density.

If the native soil condition consists of clean, compactible soil with less than 12% fines, free of ice, rocks, roots, and organic material, it may be an acceptable backfill. Such soil must be compacted in lifts not to exceed one foot to reach a final Proctor Density between 85% and 90%. Non-compactible clays and silts are **not** suitable backfill for this or any underground structure such as inlet or discharge lines. If you are unsure of the consistency of the native soil, it is recommended that a geotechnical evaluation of the material be obtained before specifying backfill.

Another option is the use of a flowable fill (i.e., low slump concrete). This is particularly attractive when installing grinder pump stations in augured holes where tight clearances make it difficult to assure proper backfilling and compaction with dry materials. Flowable fills should not be dropped with more than 4 feet between the discharge nozzle and the bottom of the hole because this can cause separation of the constituent materials.

**6. VENT INSTALLATION:** The unit must be properly vented to ensure correct operation of the pump. Standard WH101 stations are supplied with an integrated vent located in the tank cover. The tank cover should be located above finished grade to permit proper station ventilation. Other tank venting options are available. Failure to properly vent the tank will result in faulty operation and will void any warranty.

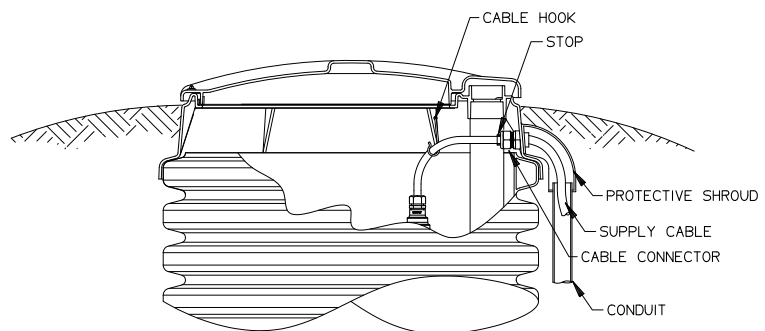
**7. ELECTRICAL CONNECTION: (Supply Panel to E/One Alarm Panel)** Before proceeding verify that the service voltage is the same as the motor voltage shown on the name plate. An alarm device is to be installed in a conspicuous location where it can be readily seen by the homeowner. An alarm device is required on every installation. There shall be no exceptions. Wiring of supply panel and alarm panel shall be per alarm panel wiring diagrams included inside the Alarm Panel enclosure and in accordance with local codes. A dedicated 30-amp breaker with ground and separate neutral is required before all standard alarm panels.

**8. ELECTRICAL CONNECTION: (Pump to Panel)** The cable provided for connection between the station and alarm panel is a six-conductor tray cable. E/One recommends the cable is installed in a suitable conduit that meets local and national code. However, the cable meets NEC requirements for direct burial as long as a minimum of 24 inches of cover is maintained and is acceptable to install without conduit in accordance with local and national codes. Those portions of cable that have less than 24 inches of cover must be contained within suitable conduit. This includes the vertical section that drops to a 24-inch depth at the station and the length exiting out of the ground at the alarm panel. *NOTE: Wiring must be installed per national and local codes. Conduit must enter panel from bottom and be sealed per NEC section 300.5 & 300.7.*

Plug and seal all electrical components (junction box, conduit, etc.) inside tank and control panel to ensure a watertight connection. Failure to seal all moisture may cause premature pump failure and void warranty.

#### **8a. INSTALLING E/ONE SUPPLY CABLE WITH EQD:**

a) Open the lid of the station, locate the cable and the feed-thru connector on the wall of the tank. Loosen the nut on the connector and pull the supply cable out through the connector until it hits the crimped-on stop feature on the cable, approximately 24" from the EQD. **\*\*IMPORTANT:** *All but 24" of the cable must be pulled out of the station, and the portion of the cable between the EQD and the molded in cable breather should be secured in the hook provided to ensure that the pump functions properly. Do not leave the excess cable in the station.*



Power at the station must not drop below 10% of nameplate voltage. Maximum Recommended Length:

120 Volt 60' (min. voltage at pump — 108V)

240 Volt 150' (min. voltage at pump — 216V)

Consult factory for longer lengths

Figure 2  
Supply Cable Configuration and Voltage Drop



- b) Retighten the nut. This connection must be tight or ground water will enter the station.
- c) Feed the wire through the length of conduit (contractor provided) which will protect it until it is below the 24" burial depth.
- d) Position the conduit vertically below the cable connector along the side of the station reaching down into the burial depth.
- e) Run the cable underground, in a trench or tunnel, to the location of the E/One panel. If directly burying any portion of the cable, leave a 6- to 12-inch loop of cable at each end to allow for shifting and settling. Connections made at the panel are shown in the panel wiring diagram included inside the Alarm Panel enclosure.

Note: A continuous run of E/One cable should be used to ensure proper operation. Underground splices should not be used. Longer cables are available from E/One.

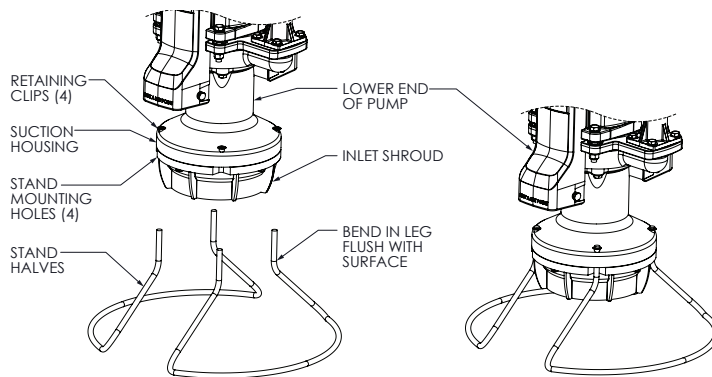


Figure 3  
Grinder Pump Stand Installation

**9. STAND ASSEMBLY (Fig. 3):** Temporarily rest the grinder pump on its side. Using a block of wood or similar object, prop up the lower pump end to allow installation of the pump stand. Align the two legs of each pump stand half with two of the holes in the pump lower end. Push the stand legs into the pump lower end until the stand legs bottom into the mounting holes. Repeat for the other stand half. Turn the pump upright on the installed stand. Install the stand leg retainers to secure the stand to the suction housing.

**10. DEBRIS REMOVAL:** Before the start-up test procedure, flush the incoming sewer line to force all miscellaneous debris into the tank. Next, remove all liquid and debris. Once the tank is clean, install the pump and test.

**11. PUMP INSTALLATION:** Install the flex discharge hose on the pump check valve (Fig. 4). Carefully lower the pump into the tank. Rotate discharge hose and male adapter to create a loop or coil. Slide male adapter into slide face receiver until it seats. Push down on slider valve assembly to open (Figs. 4 and 5). **Hang power cable, breather tubing with Equalizer, and lifting rope to prevent them from laying in sewage.** Keep between 18 inches and 24 inches of power supply cable in tank. The Equalizer should be hung as high as possible in the tank. Refer to the "Installation Layout" drawing in the front of this manual.

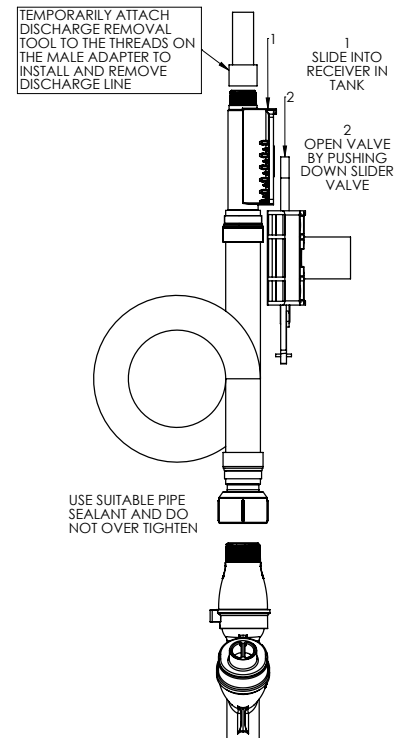


Figure 4  
Discharge Hose Slide Face Adapter Details

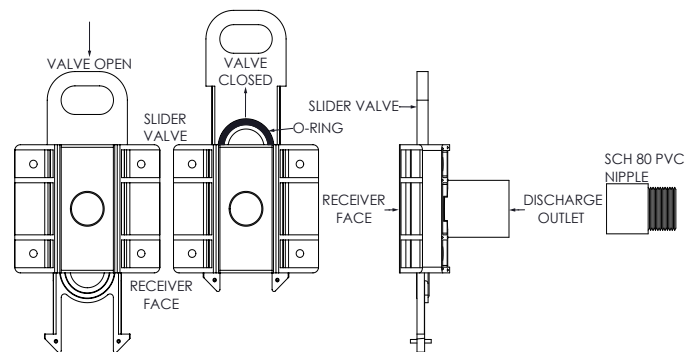


Figure 5  
Discharge Slide Face Receiver Details

**12. TEST PROCEDURE:** This unit has more than one power supply. Identify and isolate/disconnect all power supplies before troubleshooting and/or performing service work. When the system is complete and ready for use, the following steps should be taken for each grinder pump in the station to verify proper pump and high-level alarm operation.

a) Make certain that all discharge shutoff valves are fully open (curb stops, slider valve, etc.). Valves must not be closed when the pump is operating.

b) Turn off the power at main power supply and panel(s). (Ignore all Trouble indications, LEDs and/or messages until the panel is reset at the end of this procedure.) Use an ohmmeter set at the 2-meg scale. Check the continuity between the following leads from the pump (tests should be performed with the pump and alarm breakers inside the panel OFF):

- Green/yellow (ground) to red (L1)
- Green/yellow (ground) to black (L2 or neutral)
- Green/yellow (ground) to brown (manual run)
- Brown (manual run) to yellow (alarm power feed)
- Brown (manual run) to blue (alarm power return)

All of these tests must read an open circuit. A short at any of these test points will cause premature pump failure if not corrected.

c) Turn on power at main power supply only.

d) Check voltage from the main power supply. The voltage must be within 10% of the nameplate voltage (i.e. 240=216 to 264 and 120=108 to 132). Note the voltage.

e) Verify the panel wiring matches the wiring diagram located in the alarm panel enclosure. Then turn on the alarm power circuit breaker. Leave pump breaker(s) off.

f) Fill the tank with water until the alarm turns on. This should occur when the water level reaches the top of the pump approximately. Then turn off the water.

g) Turn on the pump power circuit breaker. (Note: If this is a multiplex station, the pumps should be energized one at a time so amperage can be recorded individually). The pump should turn on within a few seconds.

h) Take a current (amperage) reading off the black lead (L2 or neutral) to the pump. Note the amperage. Repeat Step “g” and Step “h” for additional pumps at this station. Ensure that only the pump being tested has its associated breaker energized. The reading(s) should be as follows

- Between 5 and 8 amps for 240VAC/60Hz service
- Between 10 and 16 amps for 120VAC/60Hz service
- For the acceptable current range of other service power types, reference the appropriate service manual. To view technical documentation, including service manuals visit [eone.com/technician](http://eone.com/technician).

Higher amperage readings equal a higher discharge pressure. If the amperage is greater than the listed maximum check the discharge line for a blockage.

The alarm should turn off after a few minutes. Following that, it should be a few additional minutes before the pump turns off.

i) Clear/Reset the alarm panel(s):

- Sentry panels: Reset is not required.
- Protect Panel: Turn pump and alarm breakers off and back on simultaneously.
- Protect Plus Panels: Perform a “cold start” from the Initialize System menu. Any user settings that were previously chosen will not be reset.

If any Trouble or alarm conditions are indicated after the panel is reset, contact your local service provider.

j) Close and lock the alarm panel(s).

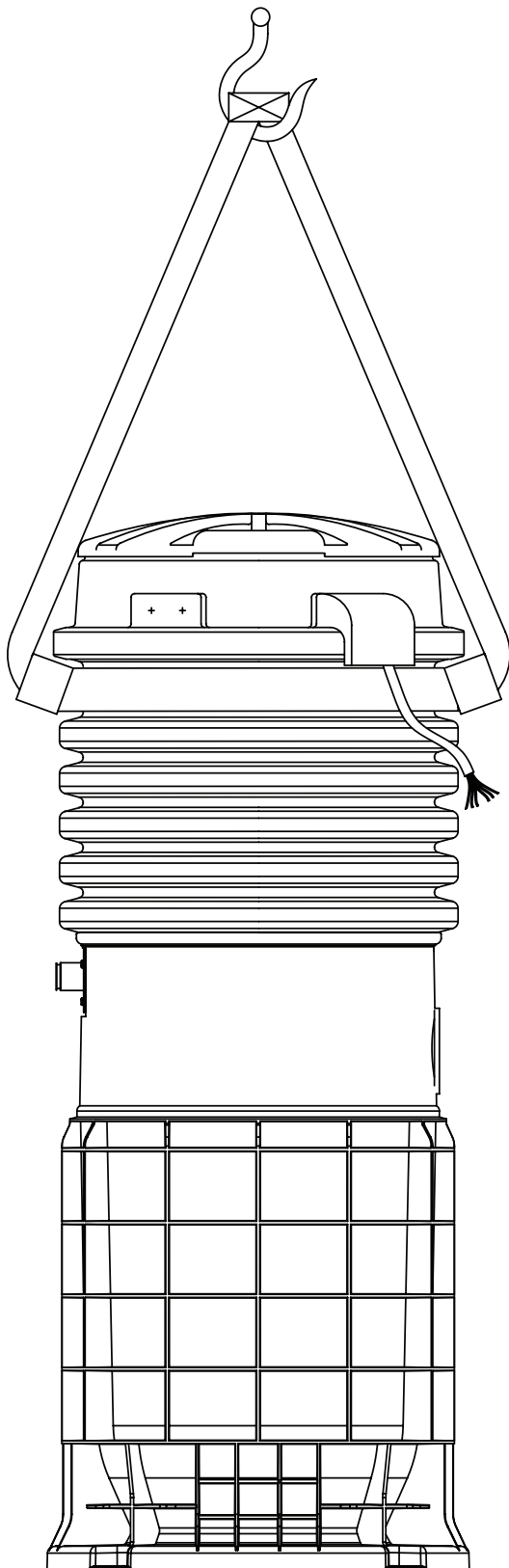
k) Inspect the lid gasket and fasten lid to tank.

Call your local E/One distributor if you experience any problems. Please have ready the unit serial number, voltage, amperage read during startup, type of application, and a description of the problem.



# Lifting Instructions

FAILURE TO FOLLOW THESE INSTRUCTIONS COMPLETELY WILL VOID THE WARRANTY.



Transporting unit to installation site: Always lift a unit from the bottom for the purpose of transportation. The station should be received attached to a pallet for this purpose. **Never roll a station or move it on its side.**

To install the basin into the excavation, lift it using 2 nylon straps wrapped around the accessway to make a sling (as shown here). Keep the station oriented vertically to avoid any damage. Only lift from the accessway to put the station in the hole, this is not recommended for moving the station any distance.

## Grinder Pump Station Ballast Calculations and Assumption

Any buried vessel that is submerged or partially submerged in water will be acted on by an upward buoyant force that attempts to return the vessel to a non-submerged state. The magnitude of this buoyant force is equal to the volume of the vessel that is submerged multiplied by the density of water. To counteract this buoyant force, a suitable ballast is required.

Unique to the E/One models DH071 and WH101 incorporating an injection molded Universal Wet Well, the bottom flange of the tank is designed to capture a suitable column of backfilled soil to resist the upward buoyant force. The weight of the backfill soil along with the soil shear resistance of the soil can retain the DH071 and WH101 tank in the ground – when properly installed in suitable soil conditions. See figure 6 for proper tank burial.

The amount of ballast force needed is equal to the weight it would take to counterbalance the buoyant force that is exerted on the station.

The total ballast force is a combination of the weight of the soil column acting on the bottom flange of the tank, the weight of the tank, and the soil shear resistance. The ballast force, the force resisting uplift of the station, must be greater than the buoyant force, the force pushing the station up, to have an acceptable installation.



**FOR MORE INFORMATION**, refer to E/One [Universal Wet Well Grinder Pump Station Ballast Calculations and Assumptions](#) (document NA0842P01) available on the WH101 product catalog page of the E/One website.

**Scan the QR Code at Left or Visit:**

<https://eone.com/sewer-systems/products/grinder-pump-systems/w/wh101>

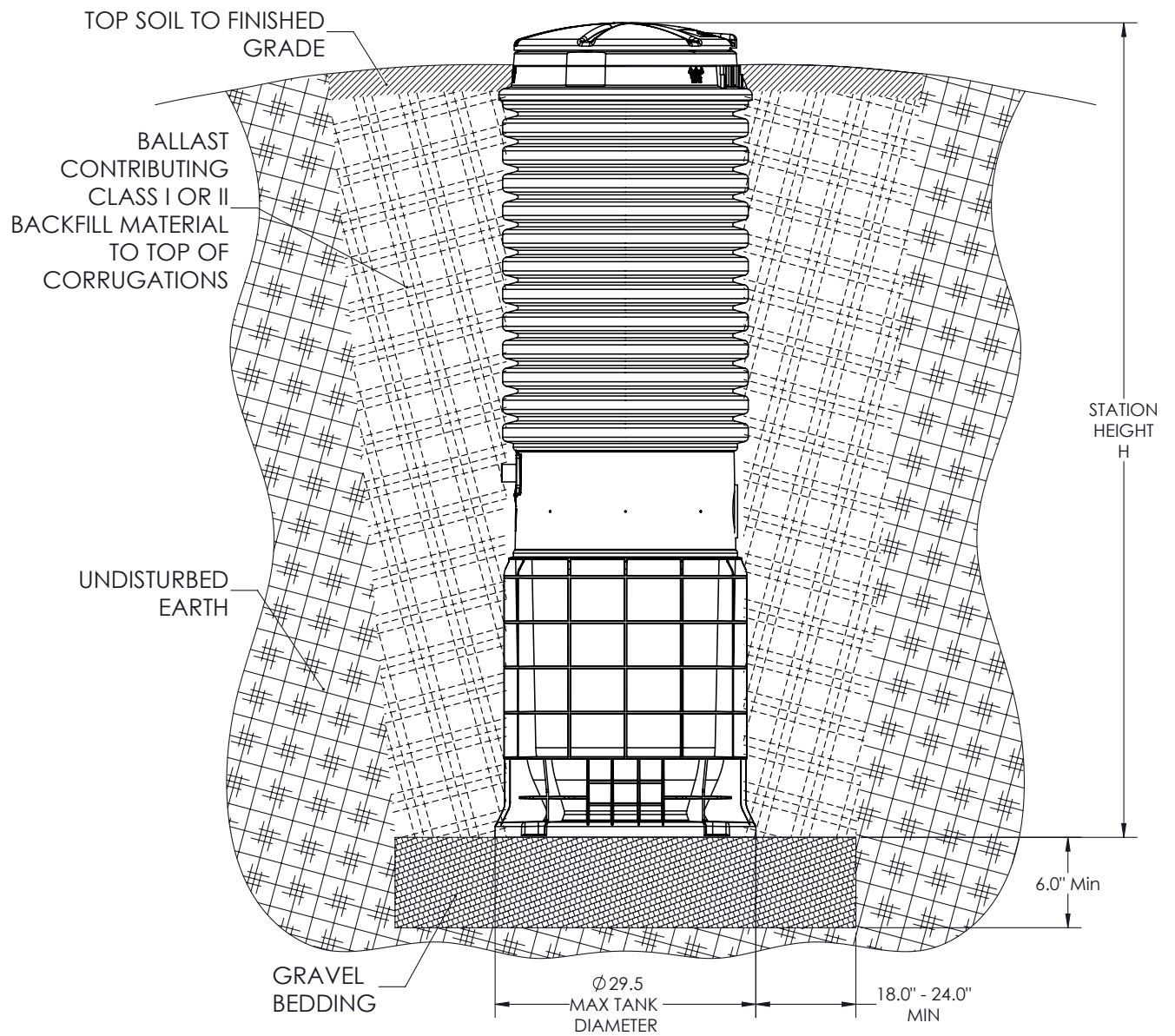


Figure 6

# Adjusting the Height of the Grinder Pump Station

## TO INCREASE STATION HEIGHT 6 INCHES

1. Increasing station height can be done without cutting the station. Use the E/One Extender cover shroud kit (ND0082G01) and follow the instructions that are included with the kit.

## TO INCREASE STATION HEIGHT MORE THAN 6 INCHES or TO REDUCE THE STATION HEIGHT:

### REMOVE EXISTING COVER ASSEMBLY (Fig. 7)

If your existing station has a welded-on cover shroud you will need the appropriate replacement cover kit (see Table 2).

1. Turn off all power to the grinder pump station.  
2. Remove the tank lid and the electrical shroud.  
3. Unplug the electrical quick disconnect (EQD) and remove the EQD from the supply cable. *Note: DO NOT CUT CABLE.* Loosen liquid tight cable connector and pull the supply cable out through the connector on the side of tank.

4. Tape the pump breather cable to the vent pipe in the tank.

5. Remove the soil around the tank, exposing three of the tank corrugations below grade. Use caution not to damage buried cable.

6. Remove existing cover shroud.

6a. Welded-on shroud (standard) - Using a hand saw, cut the tank in the valley between the two corrugations at grade, discard existing welded-on shroud and attached corrugations (*shroud is not to be reused*). *Caution: Be careful not to cut either the vent pipe or the pump breather cable.*

6b. Clamped-on shroud - Remove band clamp and cover shroud.

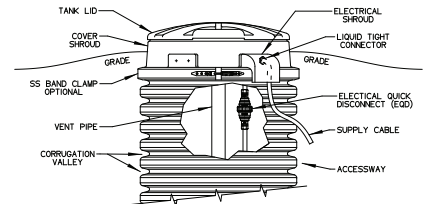


Figure 7

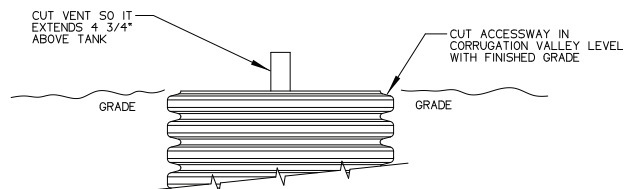


Figure 8

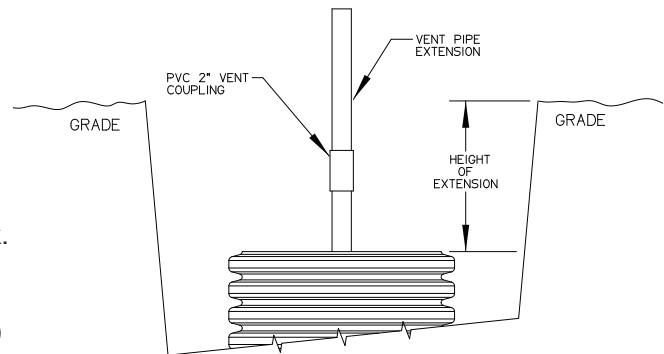


Figure 9

### REDUCING STATION HEIGHT (Fig. 8)

7. Using a hand saw, cut the tank in the valley between the two corrugations at grade.

8. Cut vent pipe 4 3/4" above the cut made on the tank. *Proceed to step 16.*

### INCREASING STATION HEIGHT (Fig. 9 and Fig. 10)

9. Remove the soil around the tank exposing it 18" deeper than the extension being installed. For example, if you have a 2' extension (not including the coupler) you must dig down 3'6" minimum from grade; if you have a 4' extension (not including the coupler) you must dig down 5'6" minimum from grade. Use caution not to damage buried cable.

10. Measure from grade down 2' (for a 2' extension) or 4' (for a 4' extension) and mark accessway. Using a hand saw, cut the tank in the valley between the two corrugations that are closest to your mark. *Note: Make sure the welded-on shroud of the extension will be at grade level. Be sure you are not cutting into the wet well and you must have two corrugations below your cut, if there are less than two corrugations, this extension kit can not be used.*

*Caution: Be careful not to cut either the vent pipe or the pump breather cable.*

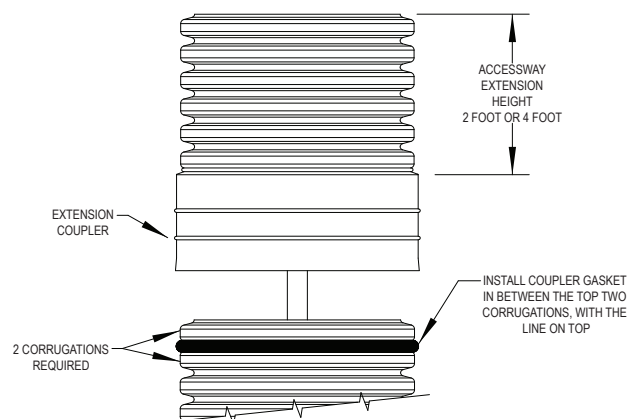


Figure 10

11. Attach the vent pipe extension with the 2" vent coupling, bringing the vent well above grade.
12. Clean all dirt and debris from top four corrugations on tank. Install the 24" coupler gasket on the tank between the top two corrugations with the white or yellow line facing out and on top.
13. Lube extension coupler and coupler gasket with pipe lube or dish soap.
14. Manually press coupling evenly over lubricated gasket. If additional force is needed, place a plywood cover over the accessway and apply gentle mechanical pressure to the coupler. *Note: Care must be used when pushing down on the coupler. Excessive force or impact may result in damage and leakage.*
15. Frequent visual inspections during installation must be performed to determine when the tank has fully engage the coupler.

#### INSTALL REPLACEMENT COVER ASSEMBLY (Fig. 11)

16. Clean top corrugation on accessway extension and mating surfaces of existing shroud (if being re-used) or replacement shroud with soap & water to remove any debris from surfaces.
17. Inspect the underside of the existing or replacement shroud to make sure the foam gasket strip is securely in place and undamaged. If there is any concern with the condition of the foam gasket strip, apply a bead of silicone RTV sealant (not provided) to the underside of the shroud where it will contact the corrugated pipe surfaces on the accessway.
18. Lube wet well vent grommet and vent pipe extension with pipe lube, non-grit hand cleaner or dish soap and slide vent pipe through grommet until tank shroud seats on the corrugated pipe surfaces of the accessway.
19. Place SS band clamp around top corrugation and the replacement shroud. Tap with a mallet around band clamp to help seat the clamp. Torque stud assembly on band clamp to a maximum 125 inlb.
20. Reinstall the supply cable, EQD\*\*, tank lid and electrical shroud and tighten cable connector. (\*\*See "EQD wiring order," Table 1)
21. Follow start-up procedures to ensure proper pump operation (you will find the start-up instructions in our service manual or the station installation instruction guide).

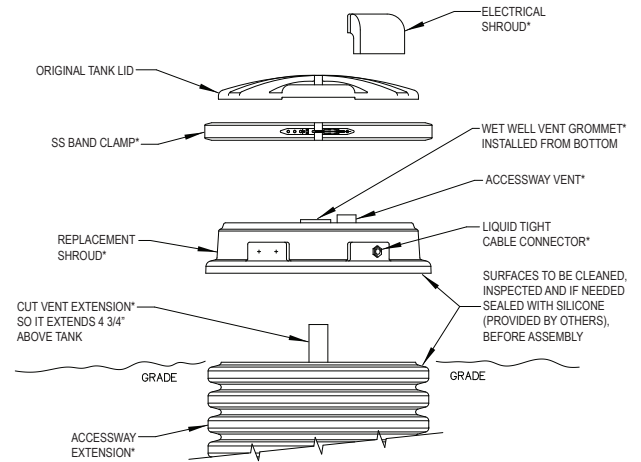


Figure 11

#### \*\*EQD wiring order

PIN #	COLOR
1	Brown
2	Red
3	Black
4	Grn/Yellow
5	Yellow
6	Blue

Table 1

Table 2

DESCRIPTION	PART NO.
Simplex station	NC0022G15
Simplex, flood plain config	NC0022G16
Duplex station	NC0022G17
Duplex, flood plain config	NC0022G18

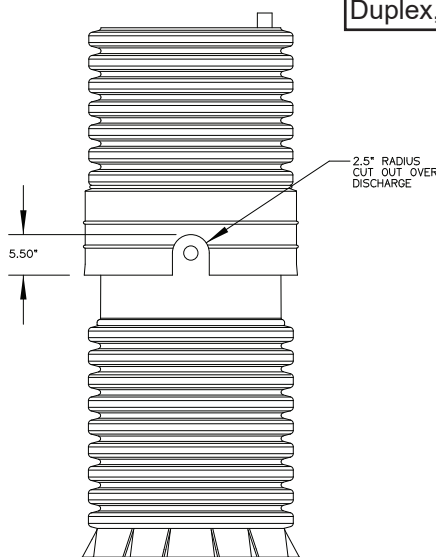
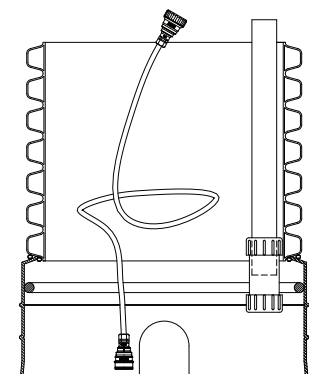


Figure 12

#### NOTE: IF EXISTING ACCESSWAY HAS ONLY 2 CORRUGATIONS (Fig. 12)

- If the coupler will not engage completely because the discharge piping is in the way, and it doesn't have a cut out, you will need to cut a slot in the coupler.

- Using a hand, reciprocating or hole saw, cut an arch in the coupler; the cut-out is not to exceed 5.50" tall or 5.00" wide.



NC0028 ...  
 G01 = 2' SLIP-ON  
 G02 = 4' SLIP-ON  
 G03 = 2' FLANGE (FOR FIELD JOINT-NOT SHOWN)  
 G04 = 4' FLANGE (FOR FIELD JOINT-NOT SHOWN)  
 G05 = 2' SLIP-ON FOR AN EXISTING ACCESSWAY WITH 2 CORR.  
 G06 = 4' SLIP-ON FOR AN EXISTING ACCESSWAY WITH 2 CORR.

Figure 13



Scan code for service info at  
**eone.com/technician**



**Environment One Corporation**  
2773 Balltown Road · Niskayuna, New York 12309–1090

**Tel:** (01) 518.346.6161 · **Fax:** (01) 518.346.6188  
eone.com

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**NA0067P01 Rev R**  
3/25



# User Instructions

## for the Environment One Grinder Pump

### General Information

Your home is served by a low pressure sewer system; the key element is an Environment One grinder pump. The tank collects all solid materials and wastewater from the house. The solid materials are then ground to a small size suitable for pumping as a slurry with the wastewater. The grinder pump generates sufficient pressure to pump this slurry from your home to the wastewater treatment receiving line and/or disposal plant.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference; and 2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

### Periods of Disuse

If your home or building is left unoccupied for longer than a couple of weeks, perform the following procedure:

#### Purge the System:

Run clean water into the unit until the pump activates. Immediately turn off the water and allow the grinder pump to run until it shuts off automatically.

#### Duplex Units:

Special attention must be taken to ensure that both pumps turn on when clean water is added to the tank.

**Caution: Do not disconnect power to the unit**

### Power Failure

Your grinder pump cannot dispose of wastewater without electrical power. If electrical power service is interrupted, keep water usage to a minimum.

### Pump Failure Alarm

Your Environment One grinder pump has been manufactured to produce an alarm signal (120 volt) in the event of a high water level in the basin. The installer must see that the alarm signal provided is connected to an audible and/or visual alarm in such a manner as to provide adequate warning to the user that service is required. During the interim prior to the arrival of an authorized service technician, water usage must be limited to the reserve capacity of the tank.

### Care and Use of Your Grinder Pump

The Environment One grinder pump is capable of accepting and pumping a wide range of materials, and an extensive grind test is required in order to obtain NSF approval. However, regulatory agencies advise that the following items **should not** be introduced into any sewer, either directly or through a kitchen waste disposal unit:

- **Glass**
- **Seafood shells**
- **Diapers, socks, rags or cloth**
- **Syringes**
- **Cotton swabs**
- **Personal/cleaning wipes & sponges**
- **Disposable toothbrushes**
- **Latex/vinyl items**
- **Metal**
- **Plastic objects (toys, utensils, etc.)**
- **Kitty litter**
- **Dental floss**
- **Aquarium gravel**
- **Sanitary napkins or tampons**
- **Cigarette butts**

**Caution: Kitchen garbage disposals do not keep grease/oil out of the plumbing system**

In addition, you must **never** introduce into any sewer:

- **Explosives**
- **Strong chemicals**
- **Lubricating oil and/or grease**
- **Flammable material**
- **Gasoline**

Items introduced into the sewer system from your home can potentially impact the water environment. Proper disposal of household wastes such as window cleaners, unused/expired pharmaceuticals, paint thinners, fats, fruit labels, etc. is important. For more information, visit [wef.org](http://wef.org).

**For service, please call your local distributor:**

# LIMITED WARRANTY



**FOR ALL D-SERIES,  
W-SERIES & UPGRADE**

Environment One Corporation offers a limited warranty that guarantees its product to be free from defects in material and factory workmanship for a period of two years from the date of installation, or 27 months from the date of shipment, whichever occurs first, provided the product is properly installed, serviced and operated under normal conditions and according to manufacturer's instructions. Repair or parts replacement required as a result of such defect will be made free of charge during this period upon return of the defective parts or equipment to the manufacturer or its nearest authorized service center.



**For More Information  
Scan QR Code or Visit:**

[eone.com/sewer-systems/knowledge/warranty](http://eone.com/sewer-systems/knowledge/warranty)

**Model Number**

**Serial Number**

**Installation Date**

**Notes**



2773 Balltown Rd • Niskayuna NY USA 12309  
(01) 518.346.6161 • [www.eone.com](http://www.eone.com)